

CRAFTON HILLS

COLLEGE

2017-2018
CATALOG





A College of the San Bernardino Community College District

Accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC) and the Western Association of Schools and Colleges (WASC)

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THE PRESIDENT'S MESSAGE



Welcome!

Whatever your goals are, Crafton Hills College is the perfect launching point. We offer rigorous programs and personal services that allow our students to achieve their educational objectives, whether it's to complete an associate's degree, transfer to a university for a bachelor's degree, or strengthen career skills by earning a certificate. CHC also has the distinction of being the top ranked community college in the Inland Empire for degree and certificate completion rates and course retention and success rates, with our students going on to meaningful and rewarding careers.

With more than 75 associate degrees including 25 associate degrees for transfer (ADT), CHC students have a tremendous amount of choices when it comes to areas of study. By completing an ADT, you will be guaranteed transfer to a California State University with upper division standing and all credits accepted. As you'll see in this catalog, our degrees range from American Sign Language to Theatre Arts. You'll also find 25 career certificates, including our premier fire academy, computer-assisted graphic design, respiratory care, and more.

Our students are supported inside and outside of the classroom, with the Transfer Center providing assistance for those seeking to move on to both public and private universities and our expanded Honors Institute enhancing your college experience with challenging coursework and close association with dedicated faculty. If you need help with class assignments, the Tutoring Center provides both student and staff support, including workshops and small study groups, and our active Office of Student Life, which oversees more than 30 student clubs covering a wide range of interests, is here to help engage you with the College. In our new Crafton Center, you'll also find Admissions and Records, Financial Aid, Counseling, Disabled Student Programs and Services (DSPS), and Extended Opportunities Programs and Services (EOPS).

Use this catalog as a guide to charting your future. CHC is committed to student success, and we hope you'll join us on our stunning campus as you embark on your educational journey.

A handwritten signature in black ink, appearing to read 'Wei Zhou'.

Wei Zhou, Ph.D.

President

GENERAL INFORMATION

About the College

Crafton Hills College (CHC) is one of 112 colleges in the California Community College system, the largest college system of higher education in the world. Since its opening in 1972, learners of all ages, interests and backgrounds have passed through the doors of CHC, taking advantage of this first step to higher learning. As new businesses and industries settle in this region, CHC continues to increase in importance as a source for a college education and career training. Crafton Hills currently serves approximately 6,100 students and offers both day and evening classes.

Crafton Hills College is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges, 10 Commercial Boulevard, Suite 204, Novato, CA 94949, 415.506.0234, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education.

Crafton Hills College has made every reasonable effort to ensure that the information provided in this general Catalog is accurate and current. However, this document should not be considered an irrevocable contract between the student and Crafton Hills College. The content is subject to change. The College reserves the right to make additions, revisions, or deletions as may be necessary due to changes in governmental regulations, district policy, or college policy, procedures, or curriculum. The College will make every reasonable effort to inform students of significant changes that occur after publication of this document.

Located in southern California, on rolling hills above the Yucaipa Valley, and surrounded by an undisturbed natural environment, Crafton Hills College offers majors in the liberal arts and sciences, career and technical studies. With its imaginative architecture, manicured grounds and spectacular surroundings, the atmosphere of the college is one of serenity — right for reflection, growth and learning.

What sets the campus apart from many others is that, in addition to quality instruction, many of our professors are experts in their respective fields outside the classroom. The small size of the college allows for much more one-on-one communication between instructors and students. CHC instructors are noted for being accessible and caring about the students as individuals. Whether you're a new student just getting started in college or you're returning to college after having been out of school for a while, it is never too late to go to college. At CHC, there is still that personal touch.

There are many student services available to help you achieve your higher education goals. You can find information and a listing of student services in this catalog and in the class schedule.

The Child Development Center and the Child Development Program function collaboratively to provide the best education possible for preschool-aged children and our child development students.

In addition to student-centered classes and an able counseling and career guidance staff, CHC provides a variety of cultural, social and recreational opportunities. The Art, Music, and Theatre Arts Departments are student intensive, offering two years of experience-based education that allows our students to participate in art exhibits, concerts, and theatre productions throughout the year. Also, students have

extracurricular opportunities to explore their interests through clubs, student government and educational field trips to various locations. For recreational activities, the college's Kinesiology and Health oversees outstanding facilities including a gymnasium, weight room, swimming pool, and tennis courts.

Above all, CHC is a place for learning and personal growth. It has established a reputation for quality and a willingness to respond quickly and reasonably to community needs. CHC operates on the semester system. Fall semester begins in August, spring term starts in January, and summer session starts in June.

Guiding Principles

The Crafton Hills College foundational statements Mission, Vision, and Values underlie the Strategic Directions and Goals in the Educational Master Plan.

Mission

The mission of Crafton Hills College is to advance the educational, career, and personal success of our diverse campus community through engagement and learning.

Vision

Crafton Hills College will be the college of choice for students who seek deep learning, personal growth, a supportive community, and a beautiful collegiate setting.

Values

Crafton Hills College values academic excellence, inclusiveness, creativity, and the advancement of each individual.

Educational Philosophy

In a free society, all individuals should have access to educational opportunities in order to develop their unique potential. The programs and services at Crafton Hills College help to promote an informed and engaged citizenry by providing an environment where intellectual dialogue becomes the foundation for lifelong learning. At Crafton Hills College, students prepare to meet the challenges of an increasingly complex society.

Campus Purpose

The purpose of Crafton Hills College is to facilitate students' learning so they can attain realistic goals commensurate with their needs and abilities. The primary means for achieving this goal is the educational program of the college; all other functions of the college are justified insofar as they support learning. While the result of some learning is intangible, most learning is indicated by a change in the attitude and behavior of the learner. Some changes represent new departures for the student; others are simply further refinements and developments of skills, viewpoints and knowledge. The college provides a variety of courses and programs designed to reach the institution's basic goal. As students pursue their programs of study, they should strive toward an understanding of their scientific and cultural heritage; the ability to define and solve problems on the basis of relevant facts and reasonable alternatives; the identification of a preferred pattern of living and a means of achieving it; occupational and professional proficiency; mental and physical health; the ability to interact effectively with other people

intellectually, socially, and physically; the acceptance of responsibility; and an awareness of the usefulness and desirability of further learning. In pursuit of the goals stated above, the college offers course work and assistance to students in the following broad areas:

1. Lower division courses for transfer to senior colleges and universities, applicable to the baccalaureate degree;
2. Occupational programs for entry into specific vocations and further training for increased occupational effectiveness while pursuing a vocation;
3. General education that provides a fundamental learning foundation and stimulates intellectual curiosity;
4. Continuing education for citizens in the community who may desire further preparation in general education or in a vocational field;
5. Programs in basic skills for increased effectiveness in pursuing the basic objectives of the college;
6. Advising and counseling for educational, occupational, and personal planning.

Educational Master Plan

The Educational Master Plan provides the college with an integrated framework for achieving long-term goals in support of student learning.

Strategic Directions and Goals

Student Access and Success

Student success in courses and programs is the top institutional priority. The quality and quantity of programs and services are sufficient to assure students the opportunity for success at CHC.

Goals:

- Support, guide and empower every student to achieve his or her goals.
- Deliver and ensure access to programs, services, and support that meet students' needs.

Inclusiveness

The College and its structures and processes are characterized by inclusiveness, openness to input, and respect for diverse opinions among individual students and employees, groups and organizations.

Goal:

- Seek, welcome, and respect diversity, and promote inclusiveness.

Best Practices for Teaching and Learning

Innovative and effective practices are used throughout the College to facilitate authentic learning.

Goal:

- Achieve college-wide excellence in teaching and learning through best practices and ongoing reflection, assessment, and improvement.

Enrollment Management

Enrollment management is an ongoing process of balancing student and community needs with available funding and facilities.

Goals:

- Effectively manage enrollment through a dynamic balance of identified needs and available resources.
- Identify and initiate the development of new courses and programs that align strategically with the needs of the College and its students.

Community Value

The College identifies and serves key community needs and promotes itself as a community asset.

Goal:

- Enhance the College's value to the community.

Effective, Efficient, and Transparent Processes

College processes interact effectively with each other and with those of the District and SBVC.

Goal:

- Implement and integrate planning processes and decision-making that are:
 - Collaborative
 - Transparent
 - Evidence-based
 - Effective and
 - Efficient

Organizational Development

The College continuously improves as an organization.

Goals:

- Optimize the organization's human resource capacity.
- Manage change proactively.

Effective Resource Use and Development

The College actively seeks, advocates for, and acquires additional resources.

Goals:

- Maintain and use resources effectively.
- Seek, advocate for, and acquire additional resources.
- Maximize resource capacity related to facilities, technology, and other infrastructure.

Background

Crafton Hills College is one of two public community colleges serving the San Bernardino Community College District. The other is San Bernardino Valley College. Both are tax-supported, coeducational institutions governed by a locally elected board of trustees acting through a district chancellor and the president of each college.

In the fall of 1972, classes were held for the first time at Crafton Hills College. The campus buildings and grounds provide an environment essential to support a comprehensive community college. The areas from which the college generally attracts students include Yucaipa,

Redlands, Highland, Loma Linda, San Bernardino, Rim of the World, Colton, Bloomington, Rialto, and Bear Valley. However, students also come from all over California, out-of-state, and foreign countries.

Some students come to the college directly from high school and pursue full-time study in transfer-preparation or career-technical programs. Others study part time to prepare for return to work or to improve their chances for advancement. Some arrive with superior academic backgrounds, some in need of considerable remedial assistance. The average age of CHC students is twenty-four. More than half the students are females. Some students stay to complete a program; others prepare for eventual transfer to four-year colleges and universities or to directly enter the workplace. Students choose Crafton Hills College because of its setting, its dedicated faculty, its challenging and engaging curriculum, and its variety of educational opportunities.

Crafton Hills College Foundation

In an effort to extend educational opportunities to CHC students, Crafton Hills College established the CHC Foundation during the same year the college opened in 1972. The CHC Foundation is a nonprofit corporation whose mission is to enhance educational excellence for CHC students. Funds are raised to support students (scholarships, emergency textbook loans, etc.) and special programs (field trips, entrance fees, etc.), as well as improve equipment and facilities on the campus. Philanthropy has been important to CHC from the very creation of the institution. The college began as a gift of property from brothers Ruben and Lester Finkelstein. For more information about the CHC Foundation, please call 909.389.3391.

Alumni Association

Crafton Hills College invites you to continue your affiliation with the college by joining the Alumni and Friends. Working with the Crafton Hills College Foundation, the Alumni and Friends is committed to helping Crafton Hills College students obtain their educational objectives and professional growth. For more information about the Alumni and Friends, the CHC Foundation, and fundraising events, please call the CHC Resource Development Office at 909.389.3245.

Accuracy Statement

The San Bernardino Community College District has made every effort to publish an accurate schedule of classes, but may, without notice, change general information, courses, or programs offered. The reasons for change may include student enrollment, level of funding, or other issues decided by the district or college. The district and college also reserve the right to add to, change, or cancel any rules, regulations, policies and procedures, as provided by law. Please visit the Crafton Hills College webpage at www.craftonhills.edu for the most up-to-date and accurate information.

GETTING STARTED

Applying for Admission

Student Classifications

New Students are students who have *never attended* Crafton Hills College.

Returning Students are students who have attended Crafton Hills College but *did not take classes the previous term (excluding summer term)*.

Continuing Students are students who have attended Crafton Hills College *during the previous term*.

Who May Apply

Admission to Crafton Hills College is open to those who meet any one of the following requirements:

1. Eighteen years of age or older and can benefit from instruction offered by the college, or
2. A high school graduate, or
3. Have a G.E.D. (General Education Development) Certificate, or
4. Have a California High School Proficiency Certificate

Out-of-state residents and citizens of other countries here on student visas may also attend Crafton Hills College, subject to regulations that can be obtained from the Admissions & Records Office. These students will be required to pay non-resident tuition fees. (Education Code: 68050)

Current high school students may be admitted under special circumstances. See *Section II, Getting Started, Admission of High School Students* for eligibility requirements.

Special Admissions

- High School Students (p. 13)
- International Students (p. 12)

International Students

Crafton Hills College is approved by the Immigration and Naturalization Service to admit non-immigrant F-1 Visa international students. The number of International students permitted to enroll may be limited at the discretion of the president of the college. In order to be considered for admission, all applicable materials must be submitted by the following deadlines:

May 1	for Fall Semester
November 1	for Spring Semester
March 15	for Summer Session

Required Materials

1. A completed application for admission can be located at www.craftonhills.edu/apply
2. Test score from "Test of English as a Foreign Language" (TOEFL). A minimum score of 500 is required. (Not required of students from a country where the native language is English).

Note: Copies of the TOEFL Bulletin of Information for Candidates are available at most American embassies. The application to take the TOEFL test must be received by the Educational Testing Service at least four weeks before the testing date.
3. Official transcripts of all previous secondary school and college work, including an English translation, a letter of reference from a prominent person in your community, verifying character, background, and ability.
4. A non-refundable application processing fee of \$25.00 in the form of a money order made payable to Crafton Hills College.
5. Official documentation of birth date. No international students under eighteen years of age will be admitted.
6. A recent photograph. Photocopies are not acceptable.
7. Verification of a recent chest X-ray or skin test that indicates a negative tuberculosis test. **Note:** X-ray or skin test must be done in the United States. The results must be on file with the college within the first month of attendance.
8. An affidavit of financial support.
9. When all requirements have been met, a letter of acceptance will be mailed. An I-20 will be mailed upon receipt of the first semester's fees in American dollars in the form of a money order.

Rules Governing International Students

1. Students must be in the local area no later than August 1 for Fall Semester and January 4 for Spring Semester.
2. Students are responsible for finding their own housing in nearby communities. The college does not have living accommodations on campus.
3. First semester fees must be paid before an I-20 is issued.
4. Students must report to the Counseling office at the college when they arrive in the area and present their Visa, I-94, I-20. These documents will be copied and filed.

The counseling and registration procedure will be explained at that time. Students must pay all required fees at time of application.
5. Students may attend Crafton Hills College for a maximum of five semesters, and must take twelve or more units each semester.
6. Students are required to enroll in an international health insurance plan and show proof of that enrollment.

Evaluation of Transcripts from International Institutions

Foreign institutions are usually chartered and authorized by their national governments through a ministry of education. Although this provides for

standardization within a country, it does not produce useful information about comparability from one country to another. As a result, all students who have attended a foreign institution must:

1. Have their transcripts evaluated by a member company of the Association of International Credentials Evaluators (AICE).
2. The student must have an official copy of the evaluation sent to the Crafton Hills College Admissions and Records Office.

The following organizations can assist institutions by distributing general or specific guidelines on admission and placement of foreign students. Equivalency or placement recommendations are to be evaluated in the terms of the programs and policies of the individual receiving institution.

Academic Credentials Evaluation Institute

P.O. Box 6908
Beverly Hills, CA 90202
800.419.4601
Fax: 888.754.8438
Email: service@universitylanguage.com
Website: www.universitylanguage.com

Academic & Professional International Evaluations, Inc.

P.O. Box 5787
Los Alamitos, CA 90721-5787
562.594.6498
Fax: 562.594.8498
Email: APIE@email.msn.com
Website: www.apie.org

American Education Research Corporation

P.O. Box 996
West Covina, CA 91793-0996
626.339.4404
Fax: 626.339.9081
Email: aerc@verizon.net
Website: www.aerc-eval.com

Educational Credential Evaluators, Inc.

P.O. Box 514070
Milwaukee, WI 53203-3470
414.289.3400
Fax: 414.289.3411
Email: EVAL@ece.org
Website: www.ece.org

Educational Records Evaluation Service, Inc.

601 University Avenue, Suite 127
Sacramento, CA 95825-6738
916.921.0790
Fax: 916.921.0793
Email: edu@eres.com
Website: www.eres.com

Note: Please follow the instructions on the application and fee schedule, which are available from ERES.

International Education Research Foundation, Inc. Credentials Evaluation Service

P.O. Box 3665
Culver City, CA 90231-3665
310.258.9451
Fax: 310.342.7086
Email: info@ierf.org
Website: www.ierf.org

Note: Request a detailed report

World Education Services Application for Evaluation of Foreign Educational Credentials

P.O. Box 5087
New York, NY 10274-5087
212.966.6311
Fax: 212.739.6100
Email: INFO@wes.org
Website: www.wes.org

Note: You must indicate on their application that the evaluation is for a California teaching credential or permit. Please print all information.

Admission of High School Students

Crafton Hills College may admit high school students who have completed the tenth grade who are capable of benefiting from advanced scholastic courses (i.e., college level), and are seeking educational opportunities not otherwise available to them.

To be eligible, students must have:

- The recommendation of the high school principal
- The consent of a parent or guardian
- Demonstrated adequate preparation in the discipline to be studied
- A GPA of 2.5 or higher

Students who meet the eligibility requirements, must submit the following:

- Admission Application
- High School Dual Enrollment Request form
- Consent for Medical Treatment form
- Official high school transcripts in a sealed envelope from the originating institution

All applications will be reviewed by the Dean of Student Services and Student Development or designee. Upon approval, students may register for the approved classes beginning at open registration. Course changes or enrollment in a course without prior approval will result in an administrative withdrawal without refund.

Crafton Hills College may restrict the admission and enrollment of high school students during any session based on age, completion of a specific grade level, regulation or demonstrated eligibility for instruction based on the college's assessment methods and procedures. All high school students enrolling in college courses must have a release of liability and the maturity to function effectively on a college campus.

Admission of Students below Grade 11

In extraordinary cases, where a student who has not completed the tenth grade demonstrates superior ability and capacity to succeed in college level work in a particular discipline, the college may consider admission of that student. Such consideration will be on a course-by-course basis and will be allowed only through the add/drop process, after open registration has been completed. Students below grade 11 wishing to enroll in courses must meet all of the requirements identified in the section above as well as any pre-requisites or departmental recommendations established for the course(s) in which they wish to enroll, as demonstrated by completion of the college assessment process.

Students in this category will be bound, as are all other students, by the syllabus of the course. Course content is non-negotiable. Moreover, parents are not permitted to attend classes with their children unless they are registered for the course. These students and their parents must complete an orientation process for each course conducted by the Counseling Department. The instructor of the course will have the final determination of whether any student below grade 11 will be allowed to enroll in his or her class.

California Residency Information

This section of the catalog provides a general summary of the principal rules about residency. For the detailed rules used by admission officers for residency determination, reference should be made to regulations of the Board of Governors of the California Community Colleges in Sub-Chapter 1 commencing with Section 54000 of Division 6 of Chapter V, of Title 5 of the California Administrative Code, and the regulations and guidelines available at the Admissions & Records Office. These regulations are subject to change without notice by the state Legislature.

- Determination of Residence (p. 14)
- Residence Determination Date (p. 14)
- Residence (p. 14)
- One-Year Waiting Period (p. 14)
- Required Documentation for Residency Determination (p. 14)
- Exceptions to Residency Determination (p. 15)

- Reclassification of Residency (p. 16)
- Residency Status Appeal (p. 16)

Determination of Residence

A. Adults — every person who is married or who is 18 years of age or older on the residence determination date may determine his or her own residence.

B. Minors — those persons under 18 years of age may establish residence in accordance with the following:

1. Married minors may establish their own residence
2. If the parents are separated permanently, the residence of the minor is the residence of the parent with whom he/she lives.
3. If both parents are deceased, and there is no court-appointed guardian, the minor may establish his/her own residence.
4. A student who remains in the state after his/her parents, who had legal residence in California, have established residence elsewhere, shall be entitled to retain resident classification until he/she has attained the age of majority and has resided in the state the minimum time necessary to become a resident so long as continuous attendance is maintained at the institution.
5. A student may combine his/her time as a resident minor with his/her time as a resident adult to establish the one year necessary for California resident classification.

Residence Determination Date

"Residence determination date" is that day immediately preceding the opening day of instruction of the quarter, semester, or other session as set by the district governing board, during which the student proposes to attend a college. (T5 §54002)

Residence

In order to establish a residence, it is necessary that there be a union of act and intent. To establish residence, a person capable of establishing residence in California must couple his or her physical presence in California with objective evidence that the physical presence is with the intent to make California the home for other than a temporary purpose. (T5 §54020)

One-Year Waiting Period

The one-year residence period which a student must meet to be classified as a resident does not begin to run until the student is both present in California and has manifested clear intent to become a California resident. (T5 §54028)

Required Documentation for Residence Determination

Burden (T5, 54026)

The burden is on the student to demonstrate clearly both physical presence in California and intent to establish California residence.

Physical Presence (T5, 54022)

(a) A person capable of establishing residence in California must be physically present in California for one year prior to the residence determination date to be classified as a resident student.

(b) A temporary absence for business, education or pleasure will not result in loss of California residence if, during the absence, the person always intended to return to California and did nothing inconsistent with that intent.

(c) Physical presence within the state solely for educational purposes does not constitute establishing California residence regardless of the length of that presence.

Required Documentation

A minimum of three (3) items of documentation are required in the following categories. You must provide a minimum of:

- One (1) item from Category A, and
- One (1) item from Category B, and
- One (1) additional item from either Category A or B

Documents must be properly identified with the student's name and a corresponding California address. No item may be used more than once within a category.

Category A (Documentation of Intent to become CA. Resident)

- Valid California driver's license or identification card
- Valid California motor vehicle registration
- Documentation of voter registration and voting in California
- Licensing from California for a professional practice
- California state income tax return filed as a resident (form 540) from previous year coupled with employment pay stubs dated prior to the determination date of residency
- Proof of jury duty service in a California court within the past year
- Selective Service registration with a permanent California address

Category B (Documentation of Physical Presence in CA.)

The documents presented must be valid, legible and cover the one year and one day period prior to the Residence Determination Date. Multiple statements may be required to cover the one year and one day period.

- Documentation of ownership and continuous occupancy of residential property or continuous occupancy of rented or leased property, in California, covering the one-year period prior to the Residence Determination Date
- Active membership in service or social club in California
- Showing California as home address on federal income tax return (Form 1040) from previous year
- Military records in student's name showing California as the home of record (i.e. Copy of Orders, Military I.D., and DD214)
- Statements from an active bank account in California; must provide statements dated prior to the determination date of residency and current statements to verify the account is still active

- Petition for a divorce in California
- Receipts showing payment of non-resident tuition at an out-of-state institution (outside California) with a California permanent home address
- Utility bills (gas, water, power, telephone) covering the one-year period prior to the Residence Determination Date. E.g. At least one statement from each quarter for the year prior to the Residence Determination Date
- Documentation of public assistance, rehabilitation, unemployment, or other California state services/benefits received from a California state agency covering the one-year period prior to the Residence Determination date

Intent (T5, 54024)

- Intent to make California the home for other than a temporary purpose may be manifested in many ways. No one factor is controlling.
- A student who is 19 years of age or over, and who has maintained a home in California continuously for the last two years shall be presumed to have the intent to make California the home for other than a temporary purpose unless the student has evidenced a contrary intent by having engaged in any of the activities listed in subdivision (f).
- A student who is under 19 years of age shall be presumed to have the intent to make California the home for other than a temporary purpose if both the student and his or her parent have maintained a home in California continuously for the last two years unless the student has evidenced a contrary intent by having engaged in any of the activities listed in subdivision (f).
- A student who does not meet the requirements of subdivision (b) or subdivision (c) shall be required to provide evidence of intent to make California the home for other than a temporary purpose as specified in subdivision
- See Required Documentation (p. 15).

Exceptions to Residence Determination

- A) A student who is a member of the Armed Forces on active duty in this state shall be entitled to residency status.
- B) A student who is a natural or adopted child, stepchild or spouse and who is a dependent of a member of the armed forces of the United States stationed in this state on active duty shall be entitled to resident status until the student has resided in the state the minimum time necessary to become a resident, as long as continuous attendance is maintained at an institution. Should the member of the armed forces of the United States be there-after transferred on military orders directly to a place outside this State, where the member continues to serve in the armed forces of the United States, the student shall not lose the resident status until he/she has resided in the state the minimum time necessary to become a resident, as long as continuous attendance is maintained at an institution. (Education Code, 68074((a)(1)(2)(b))
- C) A student who is an adult alien will be entitled to resident status if lawfully admitted to the United States for permanent residence in accordance with all applicable laws of the United

States, provided that he/she has had residence in the state for more than one year after such admission, prior to the residence determination date for the term for which he/she proposed to attend an institution.

- D) A student who is a minor alien will be entitled to resident status if both he/she and his/her parents have been lawfully admitted to the United States for permanent residence in accordance with all applicable laws of the United States, provided the parent has had residence in the state for more than one year after such admission, prior to the residence determination date for the term for which he/she proposes to attend an institution.
- E) A student who is an apprentice, (as defined in Section 3077 of the Labor Code), will be entitled to resident status for school attendance.
- F) A student holding a valid credential authorizing service in a public school and employed in a certificated full-time position by a community college district will be given resident status. (Education Code, 68078)
- G) A student who is a full-time employee of an institution or of any state agency, or a student who is a child or spouse of a full-time employee of an institution or of any state agency, may be entitled to resident classification, as determined by the governing boards, until he or she has resided in the state the minimum time necessary to become a resident. (Education Code, 68079) For the purposes of this section, "employee of any state agency" means a person employed by the state on or after the effective date of this section, who is assigned to work outside of the state. For the purposes of this section, "institution" means any university or college of the California State University and Colleges, the University of California, or any California Community College. (Education Code, 68011)
- H) A student who (1) has not been an adult resident of California for more than one year and (2) is the dependent child of a California resident who has had residence in California for more than one year prior to the residence determination date shall be entitled to resident status. This exception shall continue until the student has resided in the state the minimum time necessary to become a resident, as long as continuous attendance is maintained at an institution. (Education Code, 68076)

Reclassification of Residency

Students who have been classified as non-residents may be reclassified as residents by formally requesting such reclassification. The written request must be submitted to the Admissions & Records Office no later than the first day of registration for the term in which the student is seeking reclassification. The request must be accompanied by documentation verifying the student's intent to become a California resident, evidence of physical presence in California and/or evidence of financial independence. The law clearly states that the burden of proof of verifying residency rests with the student applicant.

Resident Status Appeal

Any student, following a decision on residence status by the college, may make written appeal to the Admissions & Records Office within fourteen (14) calendar days of that decision. (T5 §54060(a))

Student Success and Support Program (SSSP)

The Student Success and Support Program (SSSP) is made up of a set of programs and services that have been shown to support student success and retention. These services begin when a student first enrolls at Crafton Hills College and continue throughout the length of their attendance at the college. The SSSP was instituted as a result of the Student Success Act of 2012 (AB 1456) and requires that all community colleges in the state provide orientation, assessment/placement, advising and follow-up services to all students at the college beginning in the fall semester of 2014. Below is a description of these services as they are offered at Crafton Hills College.

Orientation

Crafton Hills College before they begin Crafton Hills College offers a New Student Orientation to help new students become familiar with the college. Students complete the orientation online. It is accessible through the WebAdvisor login. The orientation provides an overview of information that assists the student with navigating the processes, programs and services of the college. Students who complete the orientation will have a better understanding of the educational pathways available through the college as well as an introduction to the various services and programs offered at CHC. Policies and information about student rights and responsibilities is also covered.

For more information, visit the Counseling Center CCR-201 or call 909.389.3366 or visit www.craftonhills.edu/orientation

Counseling / Advisement

Every new college student is required to participate in a new Student Advisement session. In the session a counselor will discuss placement results and assist students in developing an abbreviated Student Education Plan (SEP) outline the courses for the upcoming semester based on educational and career goals. After the semester begins, students are required to meet with a counselor to develop a comprehensive multi-semester Student Educational Plan (SEP). The comprehensive SEP outlines the student's pathway to reach their individual educational or career goals. Completion of an abbreviated SEP in the first semester of attendance and a comprehensive SEP within the first two semesters of attendance is required to maintain priority registration.

For more information, visit the Counseling Center CCR-201 or call 909.389.3366 or visit www.craftonhills.edu/counseling

Assessment Placement Process

Every new student is required to participate in the assessment/placement process. This process is designed to assist students in choosing classes and is necessary to determine placement in English, mathematics and reading courses at Crafton Hills College. In order to receive priority registration new students must complete the assessment/placement process.

The assessment is a multiple-choice format covering reading comprehension, sentence skills, arithmetic, elementary algebra, and college algebra. Assessment is provided on a walk-in basis or by appointment depending on the time of year. The assessment schedule is available online.

Students who will be participating in the assessment are strongly encouraged to access the assessment orientation presentation and review materials that are available on our campus website at www.craftonhills.edu/assessment, plan on two hours to complete the assessment process. For questions, you may contact the assessment center at 909.389.3361 or email at assessment@craftonhills.edu.

Course placement can also be based on coursework in English and mathematics from another college or university, or by a passing score on the appropriate Advanced Placement (AP) exam or Early Assessment Program (EAP) assessment taken as a high school student.

Assessment Exemption

New students may obtain an assessment exemption if they have:

1. Completed an associate degree or higher. (Provide transcript)
2. Completed prerequisite courses with a grade of "C" or better. If prerequisite courses have not been completed in both mathematics and English, the student must take the assessment in the area not met. (Provide transcript)
3. Scored 3 or higher on the Advanced Placement Test (College Board) in English and/or mathematics. (Provide documentation)
4. Participated in the CSU EAP Process at high school and have been determined "READY" for college work" level coursework or determined "CONDITIONALLY READY" and have completed appropriate coursework during the senior year. This exemption expires one year after graduating from high school.
5. Enrolled in courses at Crafton Hills College solely to maintain certificate or license requirements.
6. Taken a placement exam at another college in the last two years and is provide scores and placement recommendations from that college.

If any of the above criteria apply to you, visit the Assessment Center, SSB-201, to obtain an exemption. Students are responsible for supplying the documentation and for completing the exemption process before they will be eligible to register for classes.

For more information, visit the Assessment Center SSB-201 or call 909.389.3361 or visit www.craftonhills.edu/assessment.

Appeals

The college provides an appeals process. Consult a counselor for review of the following concerns:

- A) Review of placement decisions.
- B) Waiver and challenge of prerequisites.
- C) Complaint of unlawful discrimination. If a student feels that assessment, orientation counseling, prerequisites, or any other matriculation procedures is being applied in an unfair manner, he or she should consult with the Dean of Student Services or counseling and matriculation.

Registration

Selection of Classes

Students are encouraged to take the time to look through the list of course offerings in the schedule, online at www.craftonhills.edu. The Student Education Plan (SEP) and assessment results should be used as a guide to help choose courses. Students should consider the hours in the day they have available to take classes, and make sure that the classes they choose are not held at conflicting times. It is recommended that students choose some alternate courses as backups, in case first-choice classes are already full.

Registering for Classes

The first few weeks of Web registration are open to students according to a priority system. You may register by Web on your assigned priority day or any registration day thereafter. You cannot register before your assigned day. Since classes are filled on a first-come, first-served basis, we recommend that you register as soon as your priority is available.

Categories of Priority Registration

To determine your registration date and time, you need to know:

- Your priority level (A, B, C, D, E, or F) based on your status as a student.
- In order to be eligible for priority registration, all students must complete the student success process (CHC application, orientation, assessment, and educational plan with a counselor).
- ONLY degree applicable units completed or currently enrolled at CHC will be used to calculate priority registration.

EXCEPTIONS: The following groups of students are not eligible for priority registration.

- Students who have previously earned a Bachelor's degree or higher
- Students who have completed 100 or more combined degree applicable units within the San Bernardino Community College District
- Returning students who did not attend the immediately preceding semester
- Students who have been on academic or progress probation for the two immediately preceding terms
- High School students who have been approved for Dual Enrollment

Once you have determined your priority level, you may register on the days assigned to that priority or any registration day thereafter.

Continuing students are students who attended CHC during the immediately preceding semester (excluding summer term).

Attention Returning Students: Students who did not attend during the previous semester must submit an Application for Admission.

Priority	Categories
A	Active military or veterans Current/former Foster Youth Students accepted into the EOP&S, DSP&S or CalWorks programs
B	Continuing students who have completed 45 to 90 units at CHC. Students accepted to and in good standing with the Left Lane, or S.T.E.M.-Trek cohort programs
C	Continuing students who have completed 30 to 44.9 units at CHC.
D	Continuing students who have completed 15 to 29.9 units at CHC.
E	Continuing students who have completed 0 to 14.9 units at CHC.
F	New students who have completed the student success process or met the pre-enrollment assessment waiver criteria prior to the registration date for Priority F.
Open	All students in the above listed priorities as well as: New students who have not completed the student success process Returning students who have not attended the immediately preceding semester Students who have previously earned a Bachelor's Degree or higher High School students who have been approved for Dual Enrollment to attend courses.

Payment of Fees

As a publicly supported community college, Crafton Hills College provides quality education at a low cost. All fees are subject to change. Consult the website for the current listing of fees and other costs.

Mandatory Fees

Enrollment Fees:

- \$46.00 per semester unit.

Non-Resident / Foreign Tuition:

- \$234.00 per semester unit Non-Resident fee
- + \$46.00 per semester unit Enrollment fee (listed above)
- + \$32.00 per semester unit Capital Outlay fee (listed below)
- = \$312.00 per semester unit

Note: Non-resident / Foreign students must also pay the mandatory enrollment fees listed above.

Why do non-residents pay more?

California public higher education is "subsidized" by the state. The lower fees for students who reside in California are intended to reflect the

contribution they and their parents have already made by living and paying taxes in California. The fee charged to non-California residents is intended to cover the cost of the "subsidy" that is provided to California Residents.

Capital Outlay Fee:

- \$32.00 per semester unit

Note: This fee applies to all non-resident students.

Student Center Fee:

- \$1.00 per semester unit with a maximum of \$10.00 per year assessed fall through summer.

Student Representation Fee:

- \$1.00 per semester.

Note: This fee may be waived for moral, religious, political or financial reasons.

Health Fee:

- Fall or Spring - \$17.50 per semester.
- Summer - \$14.50 per semester.

Note: Off-campus courses are exempt from paying this fee.

Waiver: Students who depend exclusively upon prayer for healing in accordance with the teachings of a bona fide religious sect, denomination, or organization may request a waiver of this fee. Waiver requests must be submitted to the Admissions & Records Office each semester after registering for courses and before payment is submitted.

Accident Insurance Fee:

- \$1.50 per semester.

Note: Off-campus classes are exempt from paying this fee.

Student Transportation Fee:

Effective August 1, 2017

- Students enrolled in six (6) or more units (district wide) - \$9.00 per semester.
- Students enrolled in less than six (6) units (district wide) - \$8.00 per semester.

Note: This fee is assessed only during the Spring and Fall terms.

Payment Policy:

Students should be aware of the following payment rules when registering:

- Students who are not legal residents of California must pay the current non-resident tuition fees.
- Payment is due at the time of registration.
- As the student, you are responsible for dropping classes by the stated deadlines. If you register for a class and later change your mind, it is your responsibility to drop the class. You may

be responsible for some or all of the fees for dropped courses as per the District Refund Policy.

- If you are a financial aid recipient, your award will not cover all of your fees. You are responsible to submit payment for any balance due.
- An outstanding balance will result in a Hold placed on your account.

What does a Financial Hold/Outstanding Balance Hold mean?

A hold is placed on all student accounts with past due fees. The hold prevents you from registering for courses, ordering transcripts, enrollment verifications, receiving your certificate, and diploma. Additionally, you may not be able to participate in additional school

activities such as field trips, while your account is on a financial hold. The Financial/Outstanding Balance Hold will be released upon receipt of full payment.

Payments are accepted online via WebAdvisor or in-person in the Admissions & Records Office.

Any fees covered by Financial Aid will be paid automatically at the time of registration. The AS Card and parking permit are optional and at your expense. Please check your registration statement (printout). You may have a balance due.

WHAT YOU NEED TO KNOW

Registration and Enrollment Policies

Open Classes

Students who have been officially admitted to Crafton Hills College are eligible to enroll in any class for which they meet either the prerequisites or corequisites or both. Of course, only so many persons can fit into classrooms and laboratories, so class sizes are limited and enrollment is on a priority basis.

Adding Courses

Students may add courses during the first two weeks for a full-term course, or the first 10% of a short-term course. After the add period concludes, students may add a course only with the instructor's permission and through a petition approved by the Dean of Student Services and Student Development or designee. (SBCCD Administrative Procedure 5080)

Dropping Courses

Students may drop courses during the first three weeks or 20% of a term, whichever is less, and there shall be no notation on their permanent academic record.

Students may withdraw from courses between the end of the fourth week and the last day of the eleventh week or 60% of a term, whichever is less, and a "W" shall be recorded on their permanent academic record. Failure of the student to officially withdraw from a registered course may result in responsibility for enrollment fee payments for the class and/or receipt of an "F" grade. (SBCCD Administrative Procedure 4233, 5080)

Withdrawal from a course(s) may be approved in extenuating circumstances after the last day of the 11th week or 60% of a term through a petition approved by the Dean of Student Services and Student Development or designee. Extenuating circumstances are defined as verified cases of illness, accident, unforeseen job shift change, job assignment outside the attendance area, extreme weather conditions, or other circumstances beyond the control of the student. (SBCCD Administrative Procedure 4233)

Instructor Initiated Drops

Instructors shall drop students due to inactive enrollment no later than the end of the last business day before the census day for all students who have been identified as no shows, or students who are no longer attending the course.

An instructor may drop a student from a class for excessive absences. Reinstatement is the prerogative of the instructor but must occur prior to the last day to add. Students who are dropped by instructors during the first three weeks or 20% of a term, whichever is less, shall have no notation made on their permanent academic record. Students who are withdrawn by instructors between the end of the third week and the last day of the eleventh week or 60% of a term, whichever is less, shall have a "W" posted on their permanent academic record. (SBCCD Administrative Procedure 4233, 5080)

Prerequisites Corequisites and Departmental Recommendations

When registering for classes, students are required to adhere to enrollment policies that relate to prerequisites, corequisites and departmental recommendations.

Prerequisite - a condition of enrollment students are required to meet in order to demonstrate readiness for enrollment in a course or educational program. Students registered in a class without having completed the prerequisite(s) may be dropped from the class. Prerequisite courses completed with a grade of D or F indicate unsatisfactory performance in those courses and do not satisfy the prerequisite.

Corequisite - a condition of enrollment consisting of a course a student is required to take simultaneously in order to enroll in another course.

Departmental Recommendation - a condition of enrollment a student is advised, but not required, to meet before or in conjunction with enrollment in a course or education program.

Students will not be allowed to enroll in a prerequisite course taken after the higher level course, except by Petition for Academic Exception.

Prerequisite Corequisite Challenge Process

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

- The prerequisite or corequisite has not been established in accordance with the district's process for establishing prerequisites and corequisites;
- The prerequisite or corequisite is in violation of Title 5 of the Education Code;
- The prerequisite or corequisite is either unlawfully discriminatory or is being applied in an unlawfully discriminatory manner;
- The student has the knowledge or ability to succeed in the course or program despite not meeting the prerequisite or corequisite;
- The student will be subject to undue delay in attaining the goal of his or her Student Educational Plan because the prerequisite or corequisite course has not been made reasonably available;
- The student seeks to enroll and has not been allowed to enroll due to a limitation on enrollment established for a course that involves intercollegiate competition or public performance, or enrollment in one or more of the courses has been limited to a cohort of students. The student shall be allowed to enroll in such a course if otherwise he or she would be delayed by a semester or more in attaining the degree or certificate specified in his or her Student Educational Plan;
- The student seeks to enroll in a course which has a prerequisite established to protect students' health and safety, and the student demonstrates that he or she does not pose a threat to himself or herself or others.

For more information, visit the Counseling Center in CCR-201 or call 909.389.3366.

Multiple and Overlapping Enrollments

A student may not enroll in two or more sections of the same credit course during the same term unless the length of the course provides that student is not enrolled in more than once section at any given time. Students needing additional instruction may be referred for tutoring.

A student may not enroll in two or more courses where the meeting time for the courses overlaps unless (SBCCD Administrative Procedure 4226):

- The student provides a valid justification other than scheduling convenience of the need for an overlapping schedule;
- The Vice President of Instruction and the instructor of record approve the schedule;
- The student makes up the overlapping hours at some other time during the same week under the supervision of the instructor of the course;
- The college maintains a record of the make-up time completed by the student.

An Approval for Overlapping Classes form may be obtained from the Office of Instruction (CCR-234).

Attendance

It is the student's responsibility to attend classes regularly and on time. Students who do not attend the first class session may be dropped from the class at the discretion of the instructor. However, it is each student's responsibility to officially drop any class he/she does not attend or stops attending. Students should not rely on instructors to drop or withdraw them. Failure to officially withdraw from a class by the withdrawal deadline may result in the assignment of an "F" (Failing) grade.

Cancelled Courses

The college reserves the right to cancel any class that does not meet the minimum size requirements established by the District. Students will automatically be refunded the enrollment fees for any class cancelled by the college.

Refund Policy

A. Designated Fees

This regulation covers the following fees:

1. Enrollment fee
2. Nonresident tuition
3. Parking fee
4. Health fee
5. Accident Insurance fee
6. Student Services Card fee
7. Student Center fee
8. Student Representation Fee
9. Capital Outlay Fee
10. Student Transportation Fee

B. Conditions

If a refund is requested for parking or student services card fees, the parking decal or the student services card must be attached to the refund request.

C. Military Service Exception

If a student who is a member of an active or reserve military service receives orders compelling a withdrawal from courses, the District shall, upon petition and a copy of received orders of the affected student, refund the entire enrollment fee unless academic credit is awarded.

D. Refund Schedule

This refund schedule applies to all fees listed in Paragraph A, above.

1. Fees collected in error

Fees collected in error will be refunded in their entirety.

2. Class cancelled by the College

If a class is cancelled by the College, enrollment and/or non-resident tuition fees will be refunded in their entirety. If that cancellation results in a student's withdrawal from the College, refunds of the appropriate fees listed in Paragraph "A" will apply.

3. Withdrawal from the College

a. Enrollment Fee/Non-resident Tuition

If a student withdraws during the first two weeks of a full-term class or during the first 10% of a short-term class, enrollment fees and/or non-resident tuition fees will be refunded.

b. Parking Fee, Health Fee, Accident Insurance Fee, Student Services Card Fee, Student Center Fee, Student Representation Fee, Capital Outlay Fee, Student Transportation Fee.

In order to be eligible for a refund, a student must withdraw prior to the first day of the term for a full-term class or prior to the first day of instruction for a short-term class.

4. Unit Reduction

If a change of a program within the first two weeks of a full-term class or during the first 10% of a short-term class results in a reduction in the number of units taken, the enrollment fee or non-resident fee will be refunded at the per-unit cost of the reduction.

5. Dropping/Withdrawing after Refund Period

A student who withdraws from a class or the College after the second week of instruction for a full-term class or after the first 10% of a short-term class is not eligible for any refund.

6. Instructor Drops

Students who are dropped by their instructor(s) shall be eligible for a refund or credit pursuant to the District's refund policy.

E. Refund Processing Fee

A charge of \$10 will be collected for each refund transaction not to exceed \$10 per student per semester, except for cancelled classes or over-payment.

All refunds will be in the form of a check mailed to the student's address on file in the Admissions & Records Office. Allow 6-8 weeks for all refund checks to be processed and mailed.

(SBCCD Administrative Procedure #5030)

SHORT-TERM COURSES

The refund period for short-term courses are based upon the following table:

Weeks of Instruction	Days for Refund
1-2	1
3-4	2
5-6	3
7-8	4
9-10	5
11-12	6
13-14	7
15-16	8

Academic Policies and Standards

Academic Freedom

The San Bernardino Community College District is committed to the principle that the free expression of ideas is essential to the education of its students and to the effective governance of its colleges. The District further subscribes to the principle that the free expression of ideas should be limited only by the responsibility to express ideas with fairness, and in a manner that respects the differing ideas of others and distinguishes between established fact and theories and one's own opinion.

No special limitations shall be placed upon study, investigation, presentation, and interpretation of facts and ideas concerning human society, the physical and biological world, and other branches of learning, subject to accepted standards of professional responsibility. Students shall have the opportunity to study controversial issues and divergent views, and to arrive at their own conclusions. Academic employees have an obligation to protect the student's right to freedom of inquiry even when the student's conclusions differ from those of the academic employees. While students may represent without penalty any opinion

in or out of class, they may be required to demonstrate knowledge of views contrary to their own in order to fulfill course requirements.

(SBCCD Board Policy/Administrative Procedure 4030)

Grading System

The evaluative and non-evaluative grading symbols and their meanings are as follows:

A	Excellent	4
B	Good	3
C	Satisfactory	2
D	Less than satisfactory	1
F	Failing	0
P	Pass (at least Satisfactory)	Units awarded as P are not counted in GPA See Pass/No Pass (p. 24)
NP	No Pass	Units awarded as in GPA. See Pass/No Pass (p. 24)
W	Withdrawal	Student or instructor initiated. See Withdrawal (p. 24)
MW	Military Withdrawal	See Military Withdrawal (p. 24)
I	Incomplete	Instructor initiated. See Incomplete (p. 24)
IP	In Progress	Assigned for classes in-progress or those which continue across semester and/or intersessions.
RD	Report Delayed	Assigned by the Admissions & Records Office only when grades are not recorded but the term is completed. (T5-55023)

See How to Calculate Your GPA (p. 23) for tips on calculating your grade point average.

How to Calculate Your GPA

Your GPA or Grade Point Average is the average of your grades. You can calculate your GPA for one semester or for your cumulative, overall GPA.

Example:

Course	Units Attempted	X	Grade (numerical value)	=	Grade Points
ENGL 101	4	x	B (3)	=	12
MATH 102	4	x	A (4)	=	16
SOC 100	3	x	B (3)	=	9
POLIT 100	3	x	C (2)	=	6
HIST 101	3	x	D (1)	=	3
KIN/F 105A	(1)	x	W (0)	=	0
KIN/F 108A	1	x	F (0)	=	0
Totals:	18				46

- Grades are assigned a numerical value: A=4.0, B=3.0, C=2.0, D=1.0, F=0.0

Note: Units attempted that result in P/NP, CR/NC, W, IP, RD or I grades are not used to calculate the GPA.

- Multiply the units attempted by the numerical value of the grade to get the grade points:

	Units Attempted	X	Grade	=	Grade Points
Example:	4	x	B (3)	=	12

- Total the units attempted and the grade points.

- The GPA is determined by dividing the total grade points by the number of attempted units:

	Grade Points	÷	Units Attempted	=	Grade Point Average
Example:	46	÷	18	=	2.56

Grade Scale:

4.0 = A average
 3.0 = B average
 2.0 = C average
 1.0 = D average
 0.0 = F average

Converting Quarter Units to Semester Units

Quarter units are converted to semester units by multiplying the quarter units by 0.667:

Example:	4 (quarter units)	x	0.667	=	2.67 (semester units)
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Converting Semester Units to Quarter Units

Semester units are converted to quarter units by multiplying the semester units by 1.5:

Example:	4 (semester units)	x	1.5	=	6 (quarter units)
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Incomplete (I)

An incomplete or "I" may be assigned at the discretion of the instructor when a substantial portion of the class work has been completed by the student but some part of the student's work remains to be completed at the end of the term. An "I" may be assigned to a student who, in the judgment of the instructor, is unable to complete a course due to a verified unforeseeable emergency.

The instructor shall complete an Incomplete Grade Submission form which will indicate what the student must do to complete the course and what grade the student will receive if the work is not completed in the time prescribed by this policy. This written record must be given to the student, with a copy on file in the Admissions and Records Office. The Incomplete Grade Submission form may be obtained from the Admissions and Records Office (CCR-111).

The time limit for an "I" grade to be resolved is no later than one (1) year following the end of the term in which it was assigned. A final grade shall be assigned when the work stipulated has been completed and evaluated or after one (1) year following the end of the term in which the "I" was assigned. (SBCCD Administrative Procedure 4232)

The "I" symbol shall not be used in calculating units attempted nor for grade points. Students intending to earn an associate degree from Crafton Hills College must resolve all incomplete grades, whether at Crafton Hills College or any other regionally-accredited institution attended, prior to the end of the term in which the degree will be granted. Students must submit official transcripts to the Admission and Records Office showing the removal of all incomplete grades, replaced with an appropriate letter grade or other evaluative symbol.

Pass/No Pass (P/NP)

Courses may be offered in either or both of the following categories:

- Courses in which all students are evaluated on a "pass/no pass" basis.
- Courses in which student elects to be graded on a "pass/no pass" basis upon registering or by the end of the fourth week of instruction for regular term courses or no later than 30% of a term length for short term courses.

Students electing to be graded on a "pass/no pass" basis are responsible for all assignments and examinations required in the course. The standards of evaluation are identical for all students in the course. A Pass or "P" will be assigned for performance that is equivalent to a letter grade of "C" or better. A student who fails to perform satisfactorily will be assigned a No Pass or "NP."

Students who are assigned a "P" will receive both course credit and unit credit. However, units earned as "P" shall not apply toward fulfilling the requirements of a student's major except (1) if the student earned a "P" in a course and subsequently declares a major in which those units are required or (2) if the student earns a "P" in a course required for a major that is offered only on a "pass/no pass" basis at another college. Students may take up to fifteen (15) units of "pass/no pass" courses to apply toward meeting graduation requirements.

Units earned as "P" or "NP" shall not be included in the determination of the student's grade point average.

After the deadline, the only justification for a change from "pass/no pass" to a letter grade is institutional error or extraordinary circumstances that require approval through the college petition process. (SBCCD Administrative Procedure 4231)

More information, instructions and forms may be obtained in the Admissions and Records Office (CCR-111).

Withdrawal (W)

Students who withdraw or are withdrawn from class(es) after the end of the third week, or 20% of a term and before the end of the eleventh week, or 60% of a term, whichever is less, shall have a "W" posted to their permanent academic record. The "W" symbol shall not be used in calculating grade point averages, but shall be used in determining probation and dismissal.

A "W" shall not be assigned, or if assigned shall be removed, from a student's academic record, if a determination is made that the student withdrew from a course due to discriminatory treatment or due to retaliation for alleging discrimination treatment or that the student withdrew because he/she reasonably believed that remaining in the course would subject him/her to discriminatory treatment/retaliation for alleging discriminatory treatment.

A "W" will not be assigned to any student who withdrew from one or more courses, where such withdrawal was necessary because of the student was engaged in fighting wildfires, was forced to evacuate his/her home due to such fires, or suffered loss or injury as a result of such fires.

A student who withdraws or is withdrawn from a course multiple times will be referred to counseling to help determine what is causing the need for repeated withdrawals. Students may receive no more than three (3) "W" grades for any one course. (Title 5, Section 55024)

Military Withdrawal (MW)

A Military Withdrawal or "MW" shall be assigned to a student who is a member of an active or reserve U.S. military service and who receives orders compelling a withdrawal from courses. Upon verification of such orders, the symbol may be assigned at any time. The "MW" symbol shall not be counted in progress probation or dismissal calculations. (SBCCD Administrative Procedure 4233)

Grade Changes

The instructor of the course shall determine the grade to be awarded. The determination of the student's grade by the instructor is final in the absence of mistake, fraud, bad faith, or incompetency. "Mistake" may include, but is not limited to errors made by an instructor in calculating a student's grade and clerical errors. "Fraud" may include, but is not limited to inaccurate recording or change of grade by any person who gains access to grade records without authorization.

The removal or change of an incorrect grade from a student's record shall only be done pursuant to Education Code 76232 or by an alternate method that ensures that each student shall be afforded an objective and reasonable review of the requested grade change.

If the procedure requires that a student first request a grade change from the instructor, provisions shall be made to allow another faculty member to substitute for the instructor, if the student has filed a discrimination complaint, if the instructor is not available or where the district determines that it is possible that there may have been gross misconduct by the original instructor.

Grades may not be changed for any reason or any circumstances after 36 months from the end of the term in which the grade was assigned.

In case of fraud, bad faith, or incompetency, the final determination concerning removal/change of grade will be made by the College

President after consultation with the President of the Academic Senate or his/her designee. (SBCCD Administrative Procedure 4234)

Student Grade Appeals

(SBCCD Administrative Procedure 5540)

According to California Education Code, Section 76224(a), when grades are given for any course of instruction taught in a community college district, the grade given to each student shall be the grade determined by the instructor of the course and the determination of the student's grade by the instructor, in the absence of mistake, fraud, bad faith, or incompetence, shall be final. This means that no individual at the college has the authority to change a grade unless persuasive evidence is presented indicating mistake, fraud, bad faith or incompetence on the instructor's part.

Informal Appeal Process

All attempts should be made to resolve the grade dispute at the lowest level possible; however, a student may proceed directly to the formal process.

Step 1: If possible, the student first meets with the faculty member who issued the grade; or, if the faculty member is no longer employed or working at the College, the student then meets with the Department Chair or designee to resolve the grade dispute. If resolved and a grade change is indicated, the instructor or designee completes a Grade Change Form.

Step 2: If unresolved in Step 1, the student then meets with the Department Chair or designee. If resolved and a grade change is indicated, a Grade Change Form is completed. If the dispute is not resolved then a formal appeal process can be initiated.

According to code, if mistake, fraud, bad faith, or incompetence is the reason for the grade dispute, the burden of proof lies with the student to produce facts that support this allegation, proceeding then to the formal process. If such evidence exists, the student must complete the Grade Appeal Form and make an appointment to see the Dean.

Formal Appeal Process

Step 1: The student meets with the Division Dean who will confer with the faculty member and/or Department Chair or designee, to attempt to resolve the grade dispute. If resolved and a grade change is indicated, the faculty member completes a Grade Change Form.

Step 2: Investigation: If the matter is not resolved, the student may submit the issue to the Director of Admissions and Records, in consultation with the Vice President of Instruction and appropriate instructional dean, where a full investigation will be conducted within 30 work days of the Step 2 filing date, and a determination made as to status of the grade dispute. During the investigation the student will be able to present evidence of mistake, fraud, bad faith, or incompetence of the instructor. The instructor will be able to provide evidence to support the grade. If the investigation shows fraud, bad faith, or incompetence, the investigative report will be provided to the Vice Chancellor of Human Resources for appropriate action. If a mistake has been made and a grade change is indicated, a Grade Change Form is submitted to Admissions and Records.

Step 3: Hearing: If the matter is not satisfactorily resolved and a grade change may be warranted because evidence shows fraud, bad faith, or incompetence, the student may request a formal hearing by the Grade Appeal Committee through the Office of Admissions and Records. The

committee shall be comprised of the Vice President of Instruction, 2 faculty members, 2 students and one educational administrator (not of the division where the accused faculty member works). A meeting will be convened within five (5) working days (unless mutually agreed upon to delay). The student and instructor, if still employed, will be expected to attend the hearing. All attempts will be made to contact an instructor who is no longer employed by the college regarding the grade dispute. The Grade Appeal Committee will provide a written decision to the student within five (5) working days of the date of the hearing. The decision of the Grade Appeal Committee is final. If resolved, the Change of Grade Form, the Grade Appeal Form, the written summary of the investigation findings, and the written decision of the Grade Appeal Committee are submitted to Admissions and Records.

Earning Credit

Units of Credit

Academic work at Crafton Hills College is measured in units of credit. Typically, a single unit of credit is earned for each hour of lecture *or* three hours of laboratory, clinic, field, or independent study attended per week in a standard 18 week semester. An exception to this rule would be the successful completion of Credit by Examination.

Unit Limitations

Students are restricted to a maximum of eighteen (18) units for Fall and Spring semesters. During the summer session, students are restricted to one (1) unit for each week of instruction. For example, in a six-week session, a student may carry up to six (6) units.

If a student wishes an overload, that is, units in excess of the maximum, he/she must receive approval from a college counselor prior to registering for classes.

Full-Time Enrollment

To be considered a full-time student in the Fall or Spring semester, students must carry a minimum of twelve (12) units.

To be considered a full-time student during the summer session, students must enroll in one (1) unit for each week of instruction. For example, in a six-week session, a student must be enrolled in six (6) units to be considered full-time.

Class Level

Students are classified according to the number of units they have successfully completed. Students who have completed fewer than thirty (30) units are considered freshmen. Students who have completed thirty (30) to sixty (60) units are considered sophomores. Students who have completed more than sixty (60) units are classified as special students.

Non-Degree Applicable Courses

Courses numbered 900-999 do not apply toward a degree and are designed to provide the fundamental skills necessary for successful completion of other college courses. These include precollegiate courses in reading, writing, computation, learning skills, and study skills. In accordance with Title 5, Section 55758.5 (b), grades earned in non-degree applicable courses are not included when calculating a student's degree-applicable grade point average.

Students will not receive credit for more than 30 units of basic skills course work taken in the San Bernardino Community College District.

Basic skills coursework earned in another community college district will not be counted toward the 30-unit limit.

Open Entry/Open Exit Courses

Students completing less than 60% of the work or time required in an open entry/open exit course will be given a grade of "W". Students completing 60% or more of the work or time required will be assigned the grade earned, i.e., "A", "B", "C", "D", "F", "P" or "NP."

Course Repetition

Generally students may take a course only once. Students may repeat a course:

1. If the course number includes the notation x2, x3, or x4, then the course may be taken 2, 3, or 4 times, respectively.
2. If a course is required to meet a legally mandated training requirement as a condition of continued paid or volunteer employment, the student may repeat the course upon approval through the college's petition process.
3. If the student earned a substandard grade ("D", "F" or "NP"), or was assigned a withdrawal ("W"), he/she may attempt the course two additional times in an effort to successfully complete the course. In cases where the student earns a letter grade (e.g. "A", "B", "C", "D" or "F") in the subsequent attempt, the most recent grade earned will be computer in the cumulative GPA and the student's academic record so notated (i.e. previous grade will not count). Students may attempt a course more than three times only upon approval through the college's petition process. (Title 5, Section 55024)
4. If the student earned a standard grade ("A", "B", "C" or "P"), he/she may repeat the course one time only upon approval through the college's petition process. Grades issued under this petition will not be counted in the computation of the GPA.
5. If there has been a significant lapse of time since the student earned credit for the course and another institution of higher education to which the student seeks to transfer has established a recency requirement which the student will not be able to satisfy without repeating the course, the student may repeat the course upon approval through the college's petition process.

Courses in which an incomplete ("I") has been recorded may not be repeated until an evaluative grade has been recorded.

Student permanent records shall reflect all work attempted so that the student's transcript is a true and complete academic record. (SBCCD Administrative Procedure 4225, 4227)

Academic Renewal Without Course Repetition

A student may alleviate certain previous substandard academic performance which is not reflective of his/her present demonstrated abilities through Academic Renewal Without Course Repetition. A student may petition to have any substandard grades for courses taken during two consecutive semesters of attendance eliminated from the computation of the total grade point average, not to exceed a total of thirty (30) units. Students submitting such petitions must have been enrolled and must have completed 24 units of college work at any accredited college with a grade point average of 2.5 or better subsequent to the semester(s) being petitioned. The semester(s) under consideration must have been completed at least two semesters prior to the time of submitting the petition. Neither grades nor courses will be "taken off" the student's record. Instead, courses under consideration will be indicated

and annotated accordingly on the student's permanent record. The student's permanent records from other institutions will not be altered. The student may not request for Academic Renewal more than once. (SBCCD Administrative Procedure 4240)

Transfer of Credit from Other Institutions

This policy covers the evaluation of transcripts from other institutions for the purposes of application of credits earned at those institutions for application to the Associates of Arts and Associates of Science Requirements at Crafton Hills College. The policy also covers the application of credits from other institutions to **some** university transfer requirements.

- Crafton Hills College only accepts credits from the following accrediting bodies:
 - **MSA:** Middle States Association of Colleges and Schools, Commission on Higher Education
 - **NWCCU:** Northwest Commission on Colleges and Universities (Predecessors NASC and NWASC are acceptable.)
 - **NCA:** North Central Association of Colleges and Schools, Higher Learning Commission
 - **NEASC-CIHE:** New England Association of Schools and Colleges, Inc., Commission on Institutions of Higher Education
 - **SACS:** Southern Association of Colleges and Schools, Commission on Colleges
 - **WASC-ACCJC:** Western Association of Schools and Colleges, Accrediting Commission for Community and Junior Colleges
 - **WASC-ACSCU:** Western Association of Schools and Colleges, Accrediting Commission for Senior Colleges and Universities (WASC-JR, WASC-ACCJC and WASC-ACSCU acceptable.)

Other Accreditation types:

- **U.S. Veterans/Dependents**
- **A.C.E.:** American Council on Education IS NOT an accrediting body under which designated accredited colleges are recognized, (ex. University of Maryland, Central Texas College, etc.)
- Crafton Hills College will accept credit for pre-baccalaureate courses completed at a regionally accredited four-year institution to apply to the Associates Degree Requirements as long as such courses are deemed equivalent to courses identified as associate degree applicable in Title 5 §55805.5.
- Crafton Hills College will accept credit for upper division courses completed at a regionally accredited four-year institution to apply to the Associates Degree Requirements for elective credit. Granting of this credit is made at the discretion of the Evaluation Advisory Committee. Credit may also be granted toward meeting major requirements at the discretion of the relevant discipline.
- Crafton Hills College will accept credit for courses completed in religion and/or theology taken at a regionally accredited institution to apply towards the Associates Degree Requirements as elective credit.

- Crafton Hills College does not accept in-coming transfer college units from technical & career colleges, non-accredited (dropped from accredited status) or colleges pending (candidates for) accreditation.
- Crafton Hills College will accept all University of California and California State University extension units (100 through 900 levels) to apply to the Associates Degree Requirements as elective credit. Continuing Education Credits are calculated at a one-quarter unit per every ten hours of participation.
- Crafton Hills College does not accept credit for graduate-level coursework.

General Procedures for Evaluation of Transcripts from Other Institutions

1. Official transcripts from all colleges attended must be on file with the CRAFTON HILLS COLLEGE Admissions and Records Office prior to evaluation.
2. Students must complete a *Request for Transcript Evaluation* at the Admissions and Records Office requesting a formal evaluation. You must have completed 12 units at Crafton Hills College before transfer work will be evaluated.
3. Upon request of the student and receipt of official transcript(s), the evaluator will check the accreditation of the college or university (refer to A.C.E. Guide of Accredited Institutions of Postsecondary Education).
4. Counselors may review unofficial transcripts on an appointment basis for purposes of determining pre-requisites and developing a Student Educational Plan (SEP). Any counselor evaluation will be considered **unofficial** and for general advisement purposes only. Students should request an **official** evaluation as soon as possible after 12 units @CHC in order to accurately determine what coursework is necessary to complete their educational goal.
5. The evaluation will be available in imaged form to all counselors for use in advisement and development of a Student Education Plan (SEP).

Credit by Examination

Currently enrolled students who feel that their knowledge is equivalent to the course content of a currently approved course may apply for Credit by Examination. To do so, the following conditions must be met:

- The student must submit evidence of extensive background and/or experience in the subject area to the instructor of the course
- The student must have completed twelve (12) or more units at Crafton Hills College or be a permanent employee of the San Bernardino Community College District
- The student must be enrolled in the college during the semester in which the examination is taken, but not enrolled in the course for which the student wishes to earn Credit by Examination
- The student must have the approval of a full-time instructor in the discipline

Students may receive Credit by Examination in foreign language courses only in sequence from the lowest to highest level. See a counselor for details.

To apply, the student must submit a fully completed and signed application for Credit by Examination for each course requested to the Office of Instruction (CCR-235). Applications may be obtained in the Admissions and Records Office (CCR-111). In addition to paying the enrollment fee based on the number of units of the course, there is an additional processing fee of \$20 that is applied to all Credit by Examination applications. No financial aid of any kind is available for Credit by Examination (SBCCD Administrative Procedure 4235)

College Credit for Advanced Placement (AP)

AA: Students should be aware that Advanced Placement (AP) test credit is evaluated by corresponding it to an equivalent Crafton Hills College course, e.g. History 101. A student who receives AP credit and then takes the equivalent Crafton Hills College course will have the unit credit for such duplication deducted prior to being awarded the A.A. degree. Credit by Advanced Placement exam is noted and listed first on a student's transcript, with units assigned and no grade.

CSUGE: The AP examinations may be incorporated into the certification of CSU General Education-Breadth requirements by any certifying institution. All CSU campuses will accept the minimum units shown and apply them toward fulfillment of the designated General Education-Breadth area if the examination is included as part of a full or subject-area certification. Please note that individual CSU campuses may choose to grant more units than those specified toward completion of General Education-Breadth requirements.

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

Advanced Placement Policy

Crafton Hills College is a participant in the Advanced Placement Program of the College Entrance Examination Board. AP credit will be granted by Crafton Hills College according to the following policy:

- Students must be enrolled at Crafton Hills College in order to apply for AP credit.
- Students are required to have completed twelve (12) units at Crafton Hills College prior to applying for AP credit. See a Counselor or Admissions and Records if the AP course serves as a pre-requisite for a more advanced course.
- Students must bring a copy of the AP score report to Admissions and Records for evaluation.
- Students will receive units of credit on their Crafton Hills College Transcript.
- Units earned by AP examinations may be used to meet Certificate and Associate Degree requirements.
- Units earned by AP examinations may be used towards CSU General Education Breadth certification according to the CSU approval list.
- Units earned by AP examinations may be used to meet Intersegmental General Education Transfer Curriculum (IGETC), with the exception of Critical Thinking (Area 1B) and Oral Communication (Area 1C). Credits earned with a score of 3 or higher on a designated AP examination may be applied when recognized by the college as equivalent to approved IGETC courses. Each individual AP examination can clear only one course.

- Units of AP credit may not be used to satisfy financial aid, veterans or EOPS eligibility criteria regarding enrollment status.
- Units of AP credit may not be used to satisfy the College's twelve (12) unit residency requirement, or be added to a student's earned unit total for priority registration purposes.
- A maximum of 30 units through any combination of credit by examination may be granted toward the Associate Degree.
- Some four-year institutions (e.g., out of state) may not accept AP credit.
- AB 1985 requires that California Community Colleges implement a uniform policy to award a student who passes an AP exam course credit for IGETC, CSUGE, or local community college requirements, as appropriate for the student's needs, in a course with subject matter similar to that of the AP exam. (Education Code: Chapter 9 of Part 48 of Division 7 of Title 3, Article 9, commencing with Section 79500) The following meet chart meets the requirements of AB 1985.

College-Level Examination Program (CLEP) Policy

Each campus in the California State University system determines how it will apply CLEP examinations toward credit in the major.

The CLEP exams may be applied as unit credit toward the satisfaction of a GE category OR as elective units toward the Crafton Hills College Associate degree with the following stipulations:

- Students must be actively enrolled and have completed 12 units at Crafton Hills College prior to applying for CLEP credit
- Students will be granted credit for CLEP with a minimum scaled score of 50 (unless otherwise indicated) on subject area examinations. Official CLEP scores must be sent to the office of Admissions and Records for evaluation. Students will receive units of credit and grades of Pass (P) on their transcripts.
- Units of CLEP credit may not be used to satisfy Crafton's twelve (12) unit residency requirement nor be added to a student's earned total units for priority registration purposes.
- CLEP credit will not be granted if the student has completed equivalent or more advanced coursework.
- Units of CLEP credit may not be used to satisfy financial aid, veterans or EOPS eligibility criteria regarding enrollment status.
- CLEP exams will not be applied to any major or certificate requirements unless a waiver or substitution is approved at the department level and signed by the department chair.
- CLEP exams cannot be used to meet requirements for the IGETC.
- University of California (UC) does not accept CLEP exams.
- If a student passes more than one CLEP test in the same language other than English, then only one examination may be applied to the Associate Degree.
- A maximum of 30 units through any combination of credit by examination may be granted toward the associate degree.

Credit for Military Experience

Students who have served on active duty with the Armed Forces for at least one year are eligible to receive up to seven (7) units of credit with pass "P" grades. Additional credit for military schools and college-level examinations may be earned in accordance with the recommendations of the American Council on Education. See a counselor for details.

Petition for Academic Exceptions

The Academic Exceptions Committee has been established for students who encounter circumstances outside the realm of normal college policy and procedures that affect their educational progress. Petitions or appeals may be addressed to the Academic Exceptions Committee. Instructions and forms for petition may be obtained in the Admissions and Records Office (CCR-111).

Probation and Dismissal

Probation Standards

A student shall be placed on Probation if:

- Academic Probation-The student has attempted at least 12 units and has earned a GPA below 2.0 for all work attempted.
- Progress Probation- The student has enrolled in at least 12 units and has received a "W," "I," or "NP" in 50% or more of all units enrolled.

Removal from Probationary Status

A student shall be removed from probationary status and revert back to good standing if:

- Academic Probation-The student who has been placed on Academic Probation shall revert to good standing when the student has attained a cumulative GPA of 2.0 or higher for all units attempted.
- Progress Probation- The student has reduced the percentage of units to below 50% in which a "W," "I," or "NP" was earned.

When a student earns a grade point average of less than 2.0 while on either academic or progress probation, he/she will not be allowed to register until after having completed the requirements established by the Counseling Department. (SBCCD Administrative Procedure 4250)

Dismissal Standards

For the purposes of this section, semesters shall be considered consecutive on the basis of the student's enrollment in the fall semester followed by the spring semester (e.g., the fall semester of 2013 followed by the fall semester 2014 shall be considered consecutive if the student was not enrolled in the spring semester of 2014).

A student on academic and/or progress probation shall be dismissed for one semester when one or more of the following conditions exists:

- The student has earned a cumulative grade point average of less than 2.0 in all units attempted in each of three consecutive semesters.
- The student has received non-evaluative symbols of "W," "I," or "NP" in 50% or more of the units for which he/she was enrolled in each of three consecutive semesters. (SBCCD Administrative Procedure 4250)

Re-Admission

A disqualified student may appeal his/her dismissal by filing a Petition for Academic Exception with the Academic Exceptions Committee. Petitions may be obtained from the Admissions and Records Office (CCR-111).

A student may be reinstated after one semester from the date of disqualification. A student enrolled following dismissal shall be on probationary status and subject to dismissal. If the scholastic achievement of a student readmitted after disqualification continues at a probationary level, the student may be disqualified for one year. (SBCCD Administrative Procedure 4250)

Consequences of Probation and Dismissal

Students on probation will be subject to impacts on their priority. Release of probation holds will be dependent on participation in required activities (workshops and SEP plan development) and successful completion of all courses for the semester they are competing. For those receiving the Board of Governors Grant (BOG) who reach dismissal status (after 2 semesters on probation) they will no longer be eligible to receive the grant. Reinstatement of the grant will be made when the student reaches good standing.

Standards of Satisfactory Academic Progress to Qualify for Financial Aid

Federal and state regulations require all colleges to establish a policy to determine whether a student is making satisfactory academic progress toward his or her educational goal (AA/AS, Certificate or Transfer). This policy must apply to all students whether or not they were recipients of financial aid previously at Crafton Hills College or any other college.

All students receiving Title IV aid required to meet the following standards:

- Be enrolled in an eligible program for the purpose of completing an AA/AS or AA-T/AS-T degree, transfer requirements, or certificate program. It is the student's responsibility to enroll in courses that lead toward his or her educational goal.
- Maintain a minimum cumulative 2.0 grade point average (GPA). Grades for a maximum of 30 units of remedial coursework will not be used in the calculation of the cumulative GPA.
- Complete at least 2/3 or 67% of all units attempted successfully.
- Complete their educational goal within 150% of the published unit requirement.

Frequency of Evaluation

Students will be evaluated at least once per semester, to determine if they are meeting the standards listed above. Students in non-term programs will be evaluated at the completion of half of their coursework each academic year.

Grades

Grades of "W", "NP", "I", "IP", "RD", "RP" and "F" (if unearned) will not count as units completed, but will count as units attempted. Federal financial aid is not available for credit-by-examination courses. The Financial Aid Office will assume that students who receive "F's" in all of their classes actually withdrew from those classes and therefore the units for those classes will not be considered as units "completed". Students will not be paid retroactively for those units. If the student did, in fact,

complete these classes and earned "F's", the student is required to have their instructors certify this.

Course Repetition

Course repetition within college policy as stated in the Crafton Hills College General Catalog will be allowed; however the credits from all attempted units, including repeated classes must be included when calculating the maximum time frame, (*See Maximum Time Frame for Completing Educational Goal Section below*)

Financial Aid Warning

Students who do not meet the units completed standard or the GPA standard will be placed automatically on Financial Aid Warning for the subsequent semester. When placed on Financial Aid Warning, student coursework is monitored for one semester. During the warning semester, the student is eligible to receive financial aid. At the end of the semester, progress will be reviewed to determine if the student now meets the standards (2.00 cumulative GPA and 67% completion of all units attempted). If the student satisfies both successful conditions outlined above, they will be removed from *Financial Aid Warning*.

Unsatisfactory Progress Dismissal

Students who fail to satisfactorily complete a period of warning will be placed on *Unsatisfactory Progress Dismissal*. Students are **not** eligible to receive financial aid (except the BOG Fee Waiver) while on *Unsatisfactory Progress Dismissal*. In order to be considered for reinstatement, students are required to bring their magna cum laude GPA and percentage of units completed up to meet the standards **without** the assistance of federal financial aid.

Appeal Process

You have the right to appeal a financial aid SAP or unit cap termination by presenting a written appeal with a personal statement and documentation of mitigating circumstances. **Petition for reinstatement** forms are available in the Financial Aid office. The Satisfactory Academic Program (SAP), Appeals Committee/Financial Aid Director, evaluates all Satisfactory Academic Program (SAP) appeals considering such factors as your personal statement, your academic history, your documented extenuating circumstances and your ability to achieve academic progress in the future.

Extenuating circumstances do not include the following:

- Applying for an additional degree or certificate
- Changed your mind about your current degree plan
- Did not like the instructor; had conflicts with the instructor; did not like the course
- Death of anyone other than immediate family member
- Illness of anyone other than you or your immediate family member
- You were young and unaware of the importance of an education

Maximum Time Frame for Completing Education Goal

All students receiving financial aid will be expected to complete a degree or certificate program within 150% of the published unit requirements for the chosen program of study. For example, students are allowed a maximum of 72 attempted degree -applicable units within which to complete an associate's degree or requirements to transfer (12 units required x 6 semesters = 72). Students enrolled in programs with less than or more than the standard 60 unit requirement will be reviewed on a case-by-case basis. Thirty (30) units of remedial coursework will not be counted in the 72 unit maximum time frame. The maximum time

frame is based upon units attempted. The use of a unit standard to measure maximum time frame permits variations in a student's enrollment status to be taken into consideration within the academic year increment.

Maximum Time Frame Dismissal

Students will be placed on *Maximum Time Frame Dismissal* once they reach or exceed 72 attempted units (A.A/A.S and transfer students). Students in certificate or non-term programs will be placed on *Maximum Time Frame Dismissal* once their attempted unit total reaches 150% of the published time frame. If a student wishes to continue to receive federal financial aid, he or she must submit an appeal to the Financial Aid Office. The Director of Financial Aid and/or the Financial Aid Appeals Committee will review these appeals. The student will be notified by mail of the outcome.

Appeal Process

Students placed on *Maximum Time Frame Dismissal* or *Unsatisfactory Progress Dismissal* may appeal for reinstatement of their eligibility by completing an SAP Appeal Form. **Appeals must include dates, details and documentation** of any extenuating circumstances, such as proof of serious illness or injury. Note, students placed on *Maximum Time Frame Dismissal*, must meet with an academic counselor and submit an updated Education Plan.

The appeal will be reviewed by the Financial Aid Director and/or an Appeals Committee to determine if the student's circumstances warrant full reinstatement, probationary reinstatement, or continued dismissal. For additional information regarding these standards, please contact the Financial Aid Office located in CCR-126 or call 909.389.3223.

Student Recognition and Honors

Academic Recognition Programs

Scholastic achievement, leadership, service, and character are recognized by Crafton Hills College through a variety of honors and awards.

Dean's List

A scholastic achievement list is prepared twice each year, once in the fall semester and once in the spring semester. Recognition is based on GPA earned during the individual semester as opposed to cumulative GPA. Only units earned at Crafton Hills College will be used in calculating a student's GPA for the Dean's List.

Dean's List: Students who complete a semester completing 12 or more units who achieve a GPA of 3.5 or above.

Graduating with Distinction

Students graduating with a cumulative GPA of 3.50 or above at the end of the term in which they have applied for graduation are recognized as graduating with distinction. These students will have a notation added to their transcript indicating such and are presented with a gold sash to be worn at Commencement.

Graduating with Distinction: Students who graduate with a cumulative GPA of 3.50-3.99.

Graduating with Highest Distinction: Students who graduate with a cumulative GPA of 4.0.

Alpha Gamma Sigma Honor Society

Students who are first semester college students with a high school GPA of 3.5 or higher; a lifetime member of the California Scholarship Federation; or who has completed 12 units with a cumulative GPA of 3.0 or higher may join Alpha Gamma Sigma (AGS). Students who meet the membership requirement may apply for local and state AGS scholarships. Students may apply for permanent membership in AGS. Graduating members of AGS are presented with green and/or gold cords to be worn at Commencement. For additional information, please contact the Office of Student Life (CCR-153).

College Honors Institute

The College Honors Institute (CHI) at Crafton Hills College strives to provide highly motivated students who have demonstrated outstanding academic achievements the opportunity to:

- Pursue their individual scholarly interests
- Participate in an intellectual community of students with a shared purpose of advancing scholarship
- Interact with a dynamic cadre of professors interested in enriching students' academic experience

As a result of the college's membership in the Honors Transfer Council of California (HTCC), students participating in the College Honors Institute have opportunities for priority admission and scholarship consideration at four-year institutions. For a complete listing of participating Universities, please visit Honors - A Pathway to Transfer on our website.

Admission to the College Honors Institute is open to new students who provide evidence of high school GPA of 3.25 or higher and current students who have completed 12 transfer-applicable units with a cumulative GPA 3.25 or higher in all transferable work. Eligibility for ENGL 101 and transfer-level mathematics is also required.

Students who complete the College Honors Institute will receive a certificate of completion and are presented a purple sash to be worn at commencement. To complete the program, a student must complete a minimum of 15 semester units of honors courses with a grade of "A" or "B"; have a cumulative GPA of 3.25 or higher; and complete a minimum of 15 hours of an approved community service.

Students enrolling in honors courses will complete the standard course requirements for the course as well as honors requirements. Completion of honors courses will be designated on the student's transcript with an "H." Most courses have been accepted by the University of California and California State University system and can be used to satisfy general education requirements. For more information, please visit Assist.org.

Honors courses currently offered include:

- ANTHRO 102H
- ANTHRO 106H
- ART 100H
- ART 102H
- ASTRON 150H
- BIOL 130H
- BIOL 131H
- CHEM 150H

- CHEM 151H
- COMMST 100H
- COMMST 111H
- COMMST 120H **
- COMMST 125H ***
- DANCE 200H
- ECON 200H
- ECON 201H
- ENGL 101H
- ENGL 102H
- ENGL 152H
- ENGL 155H
- ENVS 101H
- GEOG 102H
- GEOG 110H
- GEOG 111H
- GEOL 100H
- GEOL 101H
- GEOL 150H
- HEALTH 263H ***
- HIST 100H
- HIST 101H
- HIST 170H
- HIST 171H
- MUSIC 103H
- MUSIC 120H
- OCEAN 101H
- PHIL 101H
- PHIL 105H
- POLIT 100H
- PSYCH 100H
- RELIG 100H
- RELIG 101H
- SOC 100H
- THART 100H

For a complete description of these courses, refer to the specific department listing in this catalog.

For more information about the College Honors Institute, contact CHI Coordinator at 909.389.3500 or email honors@craftonhills.edu, or visit www.craftonhills.edu/honors.

** CHC AA/AS GE, not IGETC CSU GE

*** UC transferable, CSUGE (2), not IGETC

Student Laws and Policies

Family Educational Rights and Privacy Act (FERPA)

Notification of Rights Under FERPA

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

- 1) The right to inspect and review the students' education records within 45 days of the day the University receives a request for access.

A student should submit to the registrar, dean, head of the academic department, or other appropriate official, a written request that identifies the record(s) the student wishes to inspect. The College official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the College official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

- 2) The right to request the amendment of the student's education records that the student believes is inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA.

A student who wishes to ask the College to amend a record should write the College official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed.

If the College decides not to amend the record as requested, the College will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

- 3) The right to provide written consent before the College discloses personally identifiable information from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

The College discloses education records without a student's prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official is a person employed by the San Bernardino Community College District in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the District has contracted as its agent to provide a service instead of using District employees or officials (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the College.

Upon request, the College may also disclose education records without consent to officials of another school in which a student seeks or intends to enroll.

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

Family Policy Compliance Office
 U.S. Department of Education
 400 Maryland Avenue, SW
 Washington, DC 20202-5901

Note: FERPA gives parents certain rights with respect to their children's education records. These rights transfer to the student when he or she reaches the age of 18 or attends a school beyond the high school level. To view the entire FERPA text, please visit www.ed.gov

Directory Information

The Family Educational Rights and Privacy Act (FERPA), a Federal law, requires that the San Bernardino Community College District, with certain exceptions, obtain the student's written consent prior to the disclosure of personally identifiable information from his/her education records. Crafton Hills College does not maintain a public directory. However, Crafton Hills College may disclose appropriately designated "directory information" without written consent, unless the student has advised the College to the contrary in accordance with College procedures. The primary purpose of directory information is to allow Crafton Hills College to include this type of information from the student's education records in certain school publications. Examples include, but are not limited to:

- A playbill, showing the student's role in a drama or music production;
- Club membership lists;
- Deans/Honor roll or other recognition lists; and
- Graduation programs.

Directory information, which is information that is generally not considered harmful or an invasion of privacy if released, can also be disclosed to outside organizations without prior written consent. Outside organizations include, but are not limited to, companies that manufacture class rings, publish yearbooks or graduation photographers. In addition, two federal laws require local educational agencies (LEAs) receiving assistance under the Elementary and Secondary Education Act of 1965 (ESEA) to provide military recruiters, upon request, with three directory information categories-names, addresses and telephone listings-unless the student has advised the LEA that they do not want their information disclosed without their prior written consent.

Students that do not want Crafton Hills college to disclose directory information from education records without their prior written consent, must notify the Admissions & Records Office in writing by completing the appropriate form (available online or in the Admissions & Records Office.) Crafton Hills College has designated the following information as directory information:

(Note: an LEA may, but does not have to, include all the information listed below)

- Student's name
- Address
- Telephone listing

- Electronic mail address
- Photograph
- Date and place of birth
- Major field of study
- Dates of attendance
- Grade level
- Degrees, honors, and awards received
- The most recent educational agency or institution attended

Student ID number, user ID, or other unique personal identifier used to communicate in electronic systems that cannot be used to access education records without a PIN, password, etc. (A student's SSN, in whole or in part, cannot be used for this purpose.)

Student Rights and Responsibilities

Preamble

Crafton Hills College exists for the transmission of knowledge, the pursuit of knowledge and creative expression, the development of students, and the general well-being of our community and society. Free inquiry and free expression are indispensable to the attainment of these goals. As members of this learning community, students are encouraged to develop the capacity for critical judgment and to engage in an independent and sustained search for knowledge and creativity.

Freedom to teach and freedom to learn are inseparable facets of academic freedom. The freedom to learn depends on appropriate opportunities and conditions in the classroom, on the campus, and in the larger community. Students shall exercise their rights with responsibility, while not threatening or endangering the rights of other members of the Crafton Hills College community.

1. **Course Entry Expectations.** Prior to enrolling in courses, students shall have information available regarding the academic and/or performance standards recommended or required for the successful completion of the course. Such information is explained in the Course Outlines for each course, available to the students from the respective departments and on the Crafton Hills College web page.
2. **Course Expectations.** At the beginning of each course, students shall receive, in writing, information outlining the method of evaluating student progress, including the method by which the final grade is to be determined. Students are responsible for maintaining the academic and/or vocational standards, established and stated in advance, for each class in which they are enrolled.
3. **Independent, Critical Thought and Expression.** Instructors shall permit free discussion, inquiry, and expression of thought by students within the parameters detailed in SBCCD Board Policy 5500, Standards of Conduct and Disciplinary Procedures.
4. **Learning.** Students are free to examine, discuss, and pursue all questions and avenues of interest to them, and express their opinions, privately and publicly within the class setting, as appropriate to the course.
5. **Associations.** Students shall be free to organize and join associations to promote their common interests in accord with the processes established in the Associated Students of Crafton Hills College By-laws.

6. **Invited Speakers.** Pursuant to SBCCD Board Policy 4320, Off-Campus Speakers, student organizations shall have the right to recommend, invite, and hear any person(s) of their choosing, as long as such speakers and/or performers comply with federal, state and local laws, and assume responsibility for the safety of the members of the college community and the protection of public property. It is the students' responsibility, through disclaimers on all published materials, to make clear to the college community and the larger community that the public expressions of students, student organizations, and guest speakers and/or performers speak only for themselves.
7. **Publications.** Student publications serve to inform, instruct, influence, and entertain the campus community and are governed by SBCCD board policy. The Associated students and the Director of Student Life have the responsibility to define the role of student publications, and set the standards. In doing so, they shall seek to strike a reasonable balance between academic and editorial freedom and the highest ethics of responsible journalism, avoiding libel, undocumented allegations, and attacks on personal integrity, harassment and innuendo. All publications must state that the opinions expressed are not necessarily those of the college or the student body.
8. **Confidentiality.** Students have the right to have their academic records treated in a confidential and responsible manner with due regard given to the personal nature of the information contained therein. Students' records will be released only with their written authorization or as provided by the Family Educational Rights to Privacy Act and other applicable laws.
9. **Governance.** As constituents of the college community, students shall be free, individually and collectively, to express their views on issues of college policy and on matters of general interest to the student body. Pursuant to SBCCD Board Policy 5400, Associated Students Organization, the Associated Students of Crafton Hills College shall be recognized as an official voice of the students in the formulation and application of college and district policy affecting academic, career and technical education, student services.
3. **Academic Honesty.** Lack of honesty in the classroom is considered a very serious offense. Any form of cheating on tests or assignments, turning in work which is not one's own (i.e. plagiarism), talking during tests, furnishing false information to college personnel, or knowingly misrepresenting oneself to the college are grounds for disciplinary action. The consequences of cheating are severe and may include receiving a grade of "F" for the class and/or possible expulsion from the college.
4. **Instructor's Rights.** An instructor has the right to remove a student from class at any time he or she considers a student's actions to be interfering with a proper collegiate environment. The instructor may also refer the incident to the Dean of Student Services and Student Development for disciplinary action, as warranted.
5. **Student's Rights.** All students have a right to due process. If a classroom conflict occurs, the student must first discuss the problem with the instructor. If there is no resolution of the conflict, the student should follow the procedures detailed in SBCCD Administrative Regulation 5530.

Discrimination and Harassment

Crafton Hills College is committed to the achievement of equal educational opportunity. All forms of discrimination and harassment are contrary to basic standards of conduct between individuals and are prohibited by state and federal law, as well as by the San Bernardino Community College District, and will not be tolerated. The college is committed to providing an academic and work environment that respects the dignity of individuals and groups.

The college shall be free of other unlawful harassment, including that which is based on any of the following statuses: race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, sex, age, or sexual orientation of any person, or because he or she is perceived to have one or more of the foregoing characteristics.

Title IX: Sex Discrimination and Harassment

Congress passed Title IX of the Educational Amendment in 1972. Sex discrimination is prohibited in federally assisted education programs. Title IX states: *"No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under, any education program or activity receiving federal financial assistance."*

Sexual harassment violates state and federal laws as well as District policies 3410, 3430, and 5510, and will not be tolerated. Sexual harassment is defined as unwelcome conduct of a sexual nature or based on sex; gender harassment; and harassment based on pregnancy, childbirth or related medical conditions. The definition of sexual harassment includes many forms of offensive behavior, including 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 workplace or in the educational setting. Sexual harassment may include: continuing to express sexual interest after having been informed the interest is unwelcome, making reprisals or threats of reprisal after a rebuff of harassing behavior; engaging in explicit or implicit coercive sexual behavior in the work or educational environment; offering favors or educational or employment benefits, such as grades or promotions, in exchange for sexual favors; and awarding educational or employment benefits, such as grades or promotions, in exchange for sexual favors; and awarding educational or employment benefits based on sexual relationship and denying such benefits to others. Sexual

On the Campus

Creating a proper campus environment is also very important for academic and individual success. The SBCCD Board of Trustees has established District-wide standards of student conduct which will be enforced at all times. These rules of conduct are particularly important in large common areas such as the cafeteria, bookstore, vending areas, campus quads, and other regularly frequented areas.

In the Classroom

A proper teaching and learning environment is imperative for getting a good education. Everyone at Crafton Hills College is responsible for helping to create this environment, including students. Simple rules of courtesy apply.

1. **Respect for the Instructor.** This includes arriving on time, not leaving early, bringing appropriate materials, not speaking with other students while the instructor or another student is talking, not bringing food or drink into the classroom, and not being loud, boisterous or argumentative.
2. **Respect for Other Students.** This includes not interfering with the rights of others to listen and participate, being respectful and not using inappropriate language or harassing others in any way.

harassment may include the harassment of a person of the same gender as the harasser.

Reporting Discrimination or Harassment

Reporting Unlawful Discrimination

All complaints of unlawful discrimination involving students shall be directed to the Vice President of Student Services, CCR-245, 909.389.3355.

Reporting Sexual Harassment or Sex-Based Discrimination

Sexual harassment involving a student, either as the harasser or the victim, should be reported immediately to the Vice President of Student Services, CCR-245, 909.389.3355

Any student who believes that he or she has been harassed or retaliated against in violation of district policy should immediately report such incidents by following the procedures described in SBCCD. For additional procedural information, see www.craftonhills.edu/utilities/contact_us.aspx

Laws Protecting Individuals with Disabilities

Americans with Disabilities Act of 1990

It is the policy of Crafton Hills College to make its services, facilities, programs, and accommodations accessible to all people, including people with disabilities, and comply fully with the provisions of the Americans with Disabilities Act of 1990.

If a disability prevents you from fully using our facility or enjoying our services and programs, we would like your input and ideas on how we can serve you better.

Any concerns, comments, or suggestions should be directed to the Campus ADA-Coordinator, at the Vice President of Student Services, CCR-245, 909.389.3355.

Reporting Disability-Based Discrimination

Students shall report disability-based discrimination to the Vice President of Student Services, CCR-245, 909.389.3355.

Sections 504 and 508 of the Rehabilitation Acts

Crafton Hills College and the San Bernardino Community College District seek to make all programs and services, including electronic and information technology, accessible to people with disabilities. In accordance with the provisions of Sections 504 and 508 of the Rehabilitation Act and the Americans with Disabilities Act, the District provides students, faculty, staff, and community members with reasonable accommodations to ensure equal access to the programs and activities of the District.

Individuals with disabilities should contact the Disabled Student Programs and Services Department for assistance.

If you are having difficulty accessing a web page, please notify us at so that we may take appropriate action to make the page(s) accessible.

Voice: 909.389.3568

Email: ksimonso@craftonhills.edu

Prohibition Against Retaliation

Crafton Hills College and the District seek to foster an environment in which all employees and students feel free to report incidents of harassment without fear of retaliation or reprisal. Therefore, retaliation against any individual for filing a complaint of discrimination or harassment or for participating in an investigation is strictly prohibited. All allegations of retaliation will be swiftly and thoroughly investigated.

Standards of Student Conduct and Disciplinary Procedures

(SBCCD Board Policy 5500)

The Chancellor shall be responsible for procedures that impose discipline on students in accordance with due process outlined in federal and state law and regulations.

The procedures shall clearly define the conduct that is subject to discipline, and shall identify potential disciplinary actions, including but not limited to the removal, suspension, or expulsion of a student.

The following behaviors are subject to disciplinary action ranging from verbal reprimand through removal, suspension, or expulsion of a student:

- Causing, attempting to cause, or threatening to cause physical injury to one's self or to another person.
- Possession, sale or otherwise furnishing any firearm, knife, explosive or other dangerous object(s), 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 a District employee and approved by the college president, unless specifically prohibited by law.
- Unlawful possession, use, sale, offer to sell, or furnishing, or being under the influence of, any controlled substance listed in Chapter 2 (commencing with Section 11053) of Division 10 of the California Health and Safety Code, 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.
- Committing or attempting to commit robbery or extortion.
- Causing or attempting to cause damage to District property or to private property on campus.
- Stealing or attempting to steal District property or private property on campus, or knowingly receiving stolen District property or private property on campus.
- Willful or persistent smoking in any area where smoking has been prohibited by law or by regulation of the college or the District.
- Committing sexual harassment as defined by law or by District policies and procedures.
- Engaging in harassing or discriminatory behavior based on disability, gender, gender identity, gender expression, nationality, race or ethnicity, religion, sexual orientation, or any other status protected by law.
- Willful misconduct which results in injury or death to a student or to college personnel or which results in cutting, defacing, or other injury to any real or personal property owned by the District or on campus.

- Disruptive behavior, willful disobedience, habitual profanity or vulgarity, or the open and persistent defiance of the authority of, or persistent abuse of, college personnel.
- Cheating, plagiarism (including plagiarism in a student publication), or engaging in other academic dishonesty.
- Dishonesty; forgery; alteration or misuse of college documents, records or identification; or knowingly furnishing false information to the District.
- Unauthorized entry upon or use of college facilities.
- Lewd, indecent or obscene conduct on District-owned or controlled property, or at District-sponsored or supervised functions.
- Engaging in expression which is obscene; libelous or slanderous; or which so incites students as to create a clear and present danger of the commission of unlawful acts on college premises, or the violation of lawful District administrative procedures, or the substantial disruption of the orderly operation of the District.
- Persistent, serious misconduct where other means of correction have failed to bring about proper conduct.
- Unauthorized preparation, giving, selling, transfer, distribution, or publication, for any commercial purpose, of any contemporaneous recording of an academic presentation in a classroom or equivalent site of instruction, including but not limited to handwritten or typewritten class notes, except as permitted by any District policy or administrative procedure.
- Hazing, defined as including any method of initiation into a student organization or any pastime or amusement engaged in with respect to such an organization that causes, or is likely to cause, bodily danger or physical harm to any student or other person attending any school, college, university or other educational institution in this State.
- Engaging in intimidating conduct or bullying against another student through words or actions, including direct physical contact; verbal assaults, such as teasing or name-calling; social isolation or manipulation; and cyber bullying.

References: Education Code Sections 66300 and 66301; ACCJC Accreditation Standards I.C.8 and 10 (formerly 11.A.7.b)

Due Process

An accused student has the right to due process, as outlined in SBCCD Administrative Procedure 5500.

Student Right to Know

In accordance with the Code of Federal Regulations, Title 34, Part 668, Sections 668.41 through 668.46 (the "Student Right to Know" Act), institutions participating in any Title IV, HEA program shall make available to current and prospective students, and high school counselors, the completion and transfer-out rates of first-time, full-time, degree-seeking students who entered the institution on or after July 1, 1996. This information is currently available at <http://srtk.cccco.edu/index.asp>.

Title II

Title II of the Education Amendments of 1976 is Federal Legislation regarding Vocational Education. One of the purposes is to help all students receive the job training needed to become financially secure.

Part of the law is: "*To develop and carry out programs of Vocational Education within each state so as to overcome sex discrimination and sex stereotyping in Vocational Education programs and thereby furnish equal educational opportunities in Vocational Education to persons of both sexes.*"

Faculty Initiated Removal

A faculty member may remove, for good cause, any student from his/her class for up to two (2) class sessions. The student shall not return to the class during the period of the removal without permission of the instructor. Nothing herein will prevent the college president or designee from recommending further discipline in accordance with these procedures based on facts that led to the removal. As used in this rule, "good cause" includes those offenses listed in the Student Code of Conduct. The faculty member is not obliged to provide makeup opportunities for class work missed during the two (2) class sessions of suspension.

Student Integrity Policy

(Adopted by the CHC Academic Senate April 12, 2008)

At Crafton Hills College individuals access educational opportunities in order to develop their unique potential. The College helps students prepare to meet the challenges of an increasingly complex society and to become part of an informed and engaged citizenry. An essential feature of this process is that the individual student complete assigned work and that there be valid assessment of the student's accomplishments.

Instructors in every class have a right to assume that all examinations, quizzes, assignments, and other gradable work done by the student is that particular student's own individual production, and has not benefited from unauthorized assistance from other sources.

Special Applications

The presumption would be that, in *written* assignments, students are not permitted to use another person's words without attribution. Specifically, plagiarizing the words of another writer (whether from a book, article, broadcast, internet, or another student) is not permitted.

The presumption would be that, in *quantitative* assignments (such as accounting exercises, math homework or science lab reports), each student has independently derived his/her own data, made his/her own calculations, checked those figures, and come up with his/her own interpretations of those results.

The presumption would be that, in *quizzes and examinations*, each student has not received unauthorized help from another person and in the case of closed-book test, any notes, books or electronic devices or electronic communication from other sources has been used.

Students must take all *examinations* given in the courses in which they are enrolled, and may not be excused from the required examinations of any course, including final examinations. Students who are absent during an examination forfeit the right to make up the examination unless they have prior permission from the instructor.

Final examination hours and dates are published in the schedule of classes. Final examinations for short-term classes are given during the last class meeting.

The established final examination schedule cannot be changed without approval from the Vice President of Instruction.

When an infraction involves unauthorized copying from or collaborating with another student in the class, all students participating are to be held guilty of the infraction. "I was just helping him/her by giving him/her the right answers" is not a defense.

An incidence where student behavior does not adhere to these presumptions constitutes academic dishonesty.

Announcement of Policy

The College shall announce its general academic honesty policy in the widest possible fashion: website, catalog, schedule of classes, student handbook, etc.

It is the duty of every instructor to announce special modifications and interpretations of that policy. For example, instructors may wish to permit group activities in class, open note exams, team projects, or out-of-class consultation on homework to check calculations or writing. The expectations of the proper use of tutors and study partners must also be clarified by individual instructors and/or programs.

The faculty based modifications and interpretations of acceptable academic honesty must be communicated to students by some written format, such as the course syllabus, FAQ file, instructions on assignments, or other course documents or program documents. These documents should strive for specificity as to what constitutes an infraction and which sanctions shall be applied.

Reporting

Faculty members are obligated to report incidences of infraction to the College disciplinary officer. These reports should include the name of the student, course, instructor, assignment, nature and date of the infraction, and the sanction applied.

Infractions and Sanctions

When a faculty member has a reasonable suspicion of a student's lapse of academic integrity (based upon direct observation, witness (es), or documentary evidence) that faculty member must

- Determine if the evidence is sufficient to warrant a finding of infraction;
- Determine if further investigation is required;
- Apply an appropriate sanction: This is to be at the discretion of the faculty member and can range from a warning to a reduced grade for the assignment, with attendant consequences.

The disciplinary actions are consistent with SBCCD Board Policy 5500, which lists cheating and plagiarism as behavior that subjects a student to such discipline. Administrative Regulation 5500 details a range of possible disciplinary actions: reprimand, probation, suspension, expulsion and specific steps to follow in cases of suspension or expulsion.

In particular career-technical programs, the definitions and disciplinary procedures for academically dishonest or professionally unethical behavior are also governed by an external authority. The standards and processes established for students in these programs are different than those described in this document. Students in these programs will receive notification of these requirements upon admission to the program. Instructors in these programs are still obliged to report incidences of infraction to the Vice President of Student Services.

The criterion for an appropriate sanction is that the sanction match the guidelines published (by the instructor, program, department, College, District, etc.), prior to the infraction.

In general, the sanction applied at the discretion of the instructor will be the maximum penalty imposed upon the student (s) violating the standards. However, in consultation with the instructor, the additional sanctions of suspension or expulsion may be applied by the Dean of Student Services in cases where:

- There are repeated infractions by the same student;
- The help from the other student was gained through coercion or duress;
- Another student's work was accessed without the permission of that student;
- The violator has threatened a witness or faculty member not to bring forth evidence in this case.

Appeal

Students accused of academic dishonesty have a right to appeal the findings of the instructor, but the burden of proof will be on the student. The appeal will be made to the office of the Dean of Student Services, who will arrange for the case to be heard by a panel. The appeals panel will be composed of three faculty members, one college administrator, and one student (selected by the Student Senate). If a simple majority of the panel vindicates the student, then the complaining faculty member's sanction will not apply. A simple majority of this panel can sustain the finding that the student was guilty of violating the academic honesty policy of this course, and therefore, the sanction applied by the complaining faculty member will apply. Additionally, a simple majority of the panel may determine that institutional sanctions do apply against the student.

Student Grievance Procedure

(SBCCD Board Policy/Administrative Procedure 5530)

If you feel you have been treated unfairly, you have a right to complain. To ensure that your grievance receives a reasonable hearing, refer to SBCCD Board Policy/Administrative Procedure 5530.

Grievance proceedings may be initiated against a District employee or another student for any of the following reasons:

- Any act of threat or intimidation;
- Any act of threat of physical aggression;
- Any arbitrary action or imposition of sanctions without a proper regard to academic due process as specified in college procedures.

NOTICE:

- Grades are not grievable but can be appealed. (See SBCCD Administrative Procedure 5540).
- Sexual harassment complaints are filed in accordance with SBCCD Administrative Regulation 5510 and are not covered under Student Grievances.
- Discrimination complaints are filed in accordance with SBCCD Administrative Procedure 3430 and are not covered under Student Grievances.

Time for Filing a Grievance Notice

The appropriate vice president, district manager, or designee will accept a formal written student grievance when submitted within 180 calendar days of the event's occurrence and under the provisions specified. A grievance may be denied if the events occurred more than 180 calendar days prior to the date in which the grievance was filed in writing.

Only registered students may file a student grievance; non-student grievances may be considered by the designated vice president or manager if the grievance is a result of a dispute arising out of the registration or enrollment process, and the grievance is filed within thirty (30) calendar days of the alleged incident.

If more than one student files a grievance against an individual on the same issue or situation, members of the group shall select one person to serve as spokesperson/representative for the entire group.

A copy of all relevant Board Policies and Administrative Regulations can be obtained in the office of the Dean of Student Services.

Types of Disciplinary Action

SBCCCD Administrative Procedure 5500

Students enrolled in the San Bernardino Community College District shall refrain from disruptive conduct which significantly interferes with the instructional program, college activities, or which endangers the health or safety of members of the college, including visitors to the campus. Disruptive conduct on the part of students shall be cause for disciplinary action in accordance with policies adopted by the San Bernardino Community College District Board of Trustees and pursuant to appropriate sections of the Education Code, the Business and Professions Code, the Health and Safety Code, and the Penal Code of California.

A) Disciplinary Action

- Disciplinary action for good cause may be imposed upon a student by an instructor, an administrator, or the Board of Trustees for misconduct of any of infractions while attending college classes or college-sponsored activities.
- Disciplinary action includes:
 - **Reprimand:** A verbal or written reprimand regarding the misconduct.
 - **Probation:** Student conduct probation may include, but is not limited to, ineligibility to participate in extra-curricular activities and certain other student privileges.
 - **Suspension:** Exclusion from the colleges and college-sponsored activities for a specified time.
 - **Expulsion:** Exclusion by the District Board of Trustees from the college and all college-sponsored activities.

B) Disciplinary Procedures

Suspension or expulsion of a student in the San Bernardino Community College District shall be accompanied by a formal hearing, unless the student involved waives the right to such a hearing, in accordance with the student due process procedures. The student shall make a decision regarding waiving the right to a hearing with five (5) working days.

Other Policies for Students

Animals/Pets on Campus

The college does not permit staff or students to bring animals on campus, with the exception of service dogs and animals used for instructional purposes. At no time should pets be left in vehicles.

Campus Facilities Use

In order to provide maximum use, the college facilities may be rented by students, employees, citizens, and citizen groups. The use of district facilities may not interfere with the normal educational activities of the college nor may the use of district facilities be inconsistent with the purposes of the college program.

Procedures and fees for the use of district facilities may be obtained from the Campus Facilities Office, 909.389.3217.

Cell Phone Use

Use of cell phones, camera phones, cameras and video equipment of any kind is strictly prohibited within the Financial Aid and the Admissions and Records Office. Faculty and other offices reserve the right to enforce this policy. Thank you for your cooperation.

Children on Campus

Please be advised that children are not to be brought into the classroom or left unattended on the campus.

Crafton Hills College staff are well aware of the fact that in most cases children are brought to class or on the campus due to hardship situations. Children left unattended on the campus are exposed to a multitude of dangers due to the construction of the campus (stairs, ledges, etc.) and the terrain. In addition, they are often a distraction to faculty and others and, therefore, disrupt the educational process.

You are asked to please make arrangements for the care of your children. If assistance is needed in this regard, the Counseling Center is able to provide referral information.

Distribution of Literature

Permission for distribution of literature on campus is obtained from the Student Senate Office. The following kinds of literature may not be distributed or displayed without prior consent: literature advertising off-campus activities sponsored by an individual or group not connected with the college; literature for which there is a charge or donation required or requested, either explicitly or implicitly; and literature whose legality is in question. No literature may be displayed or distributed which solicits funds except with the approval of the Student Senate Office. Soliciting is not encouraged.

Literature which is not in conflict with the above stipulations may be posted and otherwise displayed in areas approved by the Student Senate Office. No literature may be taped or otherwise affixed to a painted surface. All posted material must have an "Approved for Posting" stamp from the Student Senate Office.

Contact the Student Senate Office, located in the Student Center, SCC-107, for more information.

Fundraising and Collection of Funds

Students or faculty members may not be solicited to contribute funds to any organization which is not directly under the jurisdiction of Crafton Hills College without the express permission of the college administration.

Likewise, no non-student group or individual may collect funds on campus or have campus groups collect for them on campus without prior approval of the college administration.

Computer Use

San Bernardino Community College District provides computers, computer accounts, and voicemail accounts for employees and students to assist them in the performance of their job duties or their academic studies. The computer and telecommunication systems belong to the District and are intended for business and academic purposes only. As such, all users should not have any expectation of privacy in anything they create, send, or receive via computer or telephone.

Every SBCCD computer user is responsible for being aware of these guidelines and is expected to follow these policies, both in letter and in spirit. It is general policy that all computers are to be used in a responsible, efficient, ethical and legal manner. Failure to adhere to the policy and guidelines will result in appropriate disciplinary action.

E-Mail

The Email at SBCCD provides a convenient (non-confidential) way of communicating between students, faculty, staff, administrators and professional colleagues. It is expected that SBCCD computer users will use common courtesy in the use of email. Specifically, the following activities are not acceptable:

- Hate mail, harassment, discriminatory remarks and other antisocial behaviors are prohibited on the network. Therefore, messages should not contain profanity, obscene comments, sexually explicit material, and expressions of bigotry or hate.
- "Chain letters", broadcasting messages to lists or individuals, and other types of use that would cause congestion of the networks or otherwise interfere with the work of others are not allowed.

User Names Passwords and Personal Identification Numbers (PIN)

Students may be issued usernames, passwords and/or PINs.

These electronic IDs are unique to the individual and should be guarded carefully.

These IDs and their associated rights will give the user access to certain data, files, information and resources within the District's electronic resources

These IDs will be treated as electronic signatures and carry the same authority as a written signature when used in conjunction with District or college documents, screens, telephone systems or web forms. THEREFORE, guard your electronic IDs carefully

If you believe someone else is using your ID, contact the system administrator immediately.

Privacy Interests

The District recognizes the privacy interests of faculty, staff and students and their rights to freedom of speech, collegial consultation, and academic freedom. However, both the nature of electronic communication and the public character of District business make electronic communication less private than many users anticipate and may be subject to public disclosure. In addition, the District network can be subject to authorized and unauthorized access by both internal and external users. For these reasons, there are virtually no online activities or services that guarantee an absolute right privacy, and therefore the District network is not to be relied upon as confidential or private.

System Abuse

Users shall not attempt to modify any part of the network, attempt to crash or "hack" District systems, or tamper with any software protections or restrictions placed on computer applications or files. Unless properly authorized, users shall not attempt to access restricted portions of any operating system, security software, or application system. District computing resources may not be used to violate copyright laws or license agreements.

Technology support staff monitors for any unauthorized equipment or software on the District's networks, and reserve the right to remove, disconnect, or disable the unauthorized equipment or software.

Harassment

Users are prohibited from using the District's information systems in any way that may be disruptive, harassing, or discriminatory including, but not limited to, the intentional viewing and/or transmission of sexually explicit messages, graphics, cartoons, ethnic or racial slurs, or anything that may be construed as harassment or disparagement or others. Students in violation will be subject to disciplinary action pursuant to SBCCD Board Policy 5500 and other applicable laws and policies.

Commercial Use

Commercial use of the District computer resources for personal gain or illegal purposes is prohibited and these resources may not be used for the transmission or storage of commercial, political, or personal advertisements, solicitations and promotions, destructive programs (viruses and/or self-replicating code), or any other unauthorized use.

Media and Social Networking

Personal social networking accounts shall not be used to officially represent campus or district entities on social networking, wiki, or other social media sites. For official representation of any District entity, a campus or District account, approved by the president/chancellor or their designee, must be used. The account holders must agree to use the resources legally, ethically and in keeping with the intended use per the procedures of their respective sites.

Software Licensing

Software, used on District owned computers, must be properly licensed. These licenses provide the acceptable use of the software and hold the user and in some cases the District legally responsible for copyright violations.

No students shall install software on any District computers, except as authorized by the instructor in the course of learning.

Fair Use

Information appearing on the internet should be regarded as copyright protected, whether or not it is expressly noted as such. Section 107 of the Copyright law (title 17, US Code) allows for Fair Use of copyrighted materials. Teaching, scholarship, research, comment, news reporting, and criticism are considered fair and allow for reproduction of a given work. Acknowledgment of the source is recommended but is no substitute for obtainin permission (<http://www.copyright.gov/fls/fl102.html>).

Campus Safety

Information regarding crimes or situations that might be considered threatening to public safety at CHC is disseminated through a variety of methods. Notices are posted on bulletin boards campus-wide, alerts are sent out to the campus community via electronic mailings or text messaging, and information is posted on the Campus Police Website.

Access and Security

The Campus Police and other college personnel maintain security and access to the campus. Generally, most college buildings are open Monday through Friday from 7:00 am until 10:30 pm. On weekends, the library and computer laboratories are available whenever college personnel are present and available in these facilities. The hours of operation for each laboratory are posted and are also available from personnel in the respective laboratories.

It is suggested that the following guideline be followed to minimize security risks:

- Doors to the outside should not be propped open;
- Rooms that are unavailable on weekends should be locked;
- Persons traveling from campus buildings to parking lots after dark are encouraged to travel in pairs or groups;
- Stay within the lighted walkway areas at night;
- Avoid working or studying along on campus at night or on weekends;
- Keep car doors and windows locked;
- Do not leave purses, book bags or other valuables open or unattended.

Liability

The Board of Trustees of the San Bernardino Community College District, its administration, or other employees are not and shall not be liable under any circumstances for loss or damage to vehicles or contents thereof parked or stored on District property by fire, theft, or any other cause whatsoever.

Drugs and Alcohol

Crafton Hills College is committed to protecting the health, safety, and welfare of the citizens it serves by ensuring that a drug-free campus is maintained. The unlawful manufacture, possession, use or distribution of illicit drugs and controlled substances and the use or distribution of alcohol on College property or at off-campus course locations is strictly prohibited.

- All incidents involving the suspicion of drug distribution or the recovery of suspected drugs, contraband or paraphernalia should be immediately reported to the Campus Police Office. An individual finding the suspected item(s) should keep it in their possession until a police officer arrives.
- Illegal involvement with drugs or alcohol on campus will result in disciplinary action by the College above and beyond any criminal penalties. The disciplinary action may include suspension or dismissal from the College.
- During the year, educational programs are available to increase student and college personnel awareness and knowledge about this subject.

Weapons on Campus

Firearms or other weapons shall be prohibited on any college or District center or in any facility of the District except for activities conducted under the direction of District officials or as authorized by an official law enforcement agency.

Parking and Traffic Regulations

(All regulations apply to Crafton Hills College and San Bernardino Valley College.)

The Board of Trustees of San Bernardino Community College District, in accordance with the laws of the State of California, has established the following regulations regarding traffic and parking controls for the San Bernardino Community College District Campuses.

General

- A) College motor vehicle regulations apply to all faculty, staff, students, and visitors operating or parking a vehicle on either campus.
- B) Persons violating these regulations or the California Vehicle Code may receive a San Bernardino Community College District citation and/or be subject to college district disciplinary action.
- C) Parking of motor vehicles and bicycles on Crafton Hills College or San Bernardino Valley College property is done at the owner's risk. The San Bernardino Community College District assumes no liability for damage or theft of a vehicle or its contents.
- D) Crafton Hills College is situated on a hillside. Please take appropriate precautions when parking your vehicle on an incline. When headed downhill, turn your front wheels into the curb. When headed uphill turn your front wheels away from the curb. *Always set your parking brake.*

Traffic Regulations

- A) Persons operating vehicles and parking on San Bernardino Community College District property are required to comply with these regulations and the California Vehicle Code.
- B) The speed limit on all campus roads is 15 miles per hour at San Bernardino Valley College and 25 miles per hour at Crafton Hills College or less when road or safety conditions require lower speeds.
- C) The speed limit on all campus parking lots is 5 miles per hour.
- D) No vehicles are permitted on inner campus walks except for vehicles delivering supplies and vehicles belonging the college while in performance of maintenance, deliveries, etc.

- E) Roadblocks, barriers, or stanchions may be placed at any point deemed necessary for safety or convenience. Removal of these roadblocks, barriers, or stanchions is prohibited.
- F) Pedestrians have the right of way at all times.
- G) The use of skateboards or roller skates is prohibited on the campus.
- H) Mopeds, when on campus walkways, shall be pedaled only. Use of power is strictly forbidden beyond parking lots and campus roadways.

Parking Permits

Faculty and staff are required to have a current permanent parking permit (decal) or current parking ticket to park in staff lots. All persons using non-staff parking lots are required to have a current permit or a current parking ticket. Permits must be properly displayed while on campus.

The following charges will be made for all permits:

Annual Staff	\$75.00
Semester	\$30.00
Summer	\$15.00
Daily parking	\$2.00

Daily parking will be verified by a current San Bernardino Community College District parking ticket placed on the dashboard of the car. Additional non-staff and non-faculty permits will be charged at the same rate as the first permit. Permits for faculty, staff and students can only be purchased online.

To purchase a parking permit online, you will need the following:

- The ability to use a computer off or on campus
- The ability to log into WebAdvisor
- A valid credit or debit card (cash can be used on campus at the campus Bookstore , (BK)
- Make, Model, Year, Color, License Plate Number and State of Issue
- Valid mailing and email addresses

Student and staff parking permits can only be purchased online at www.craftonhills.edu/parking.

When purchasing a permit with a valid debit or credit card, you must:

- Go online to www.craftonhills.edu/parking
- Pay for your permit using a valid debit or credit card
- The parking permit will be mailed to the address you provide

When purchasing a permit and you want to pay by cash or a check, you must:

- Go online to www.craftonhills.edu/parking using a campus computer (Library, Computer Lab, your office computer, etc.)
- Click the "pay-in-person" option when purchasing
- Bring your cash or check to the Bookstore (BK), for payment
- The parking permit will be mailed to the address you provide; permits are not available over-the counter
- Print out Temporary Permit

Please visit www.craftonhills.edu/parking for other important parking information.

If a vehicle to which a current permit is affixed is sold or disposed of, the permit number must be reported to the College Police Office and the permit removed from the vehicle. Refunds will be made only to students and only when the following conditions are met:

- That all classes in which the student is enrolled are cancelled by the college and the student is thus dis-enrolled from the college.
- That a portion of the decal bearing the number is returned to the College Business Office and
- That the refund is requested within two calendar weeks from the date of the cancellation of the class (es).

Parking Regulations

- A) Staff and faculty lots are reserved for the sole use of personnel employed by the San Bernardino Community College District. DEPENDENTS OF EMPLOYEES ARE PROHIBITED from using staff and faculty parking lots.
- B) Parking stalls marked "VISITORS" ARE SOLELY FOR VISITORS. Students, staff, and faculty are prohibited from parking in these areas.
- C) Parking is prohibited in loading zones, posted areas along curbing, and/or red lined areas.
- D) Vehicles are to be parked in properly marked stalls only. Backing into or taking up more than one parking stall is prohibited.
- E) Motorbikes, motorcycles, and other two-wheeled motorized vehicles must be parked in areas designated for this type of vehicle.
- F) Vehicles parking in prohibited areas that block the flow of traffic, fire-fighting/emergency equipment, driveways, roadways or in posted "No Parking" zones will be towed away at the owner's expense and at no responsibility to the college district. (CVC 22702)
- G) Vehicles abandoned on college property for over 72 hours without prior college authorization may be removed at owner's expense. (CVC 22702)

HELP ALONG THE WAY

Student Support Services

California Work Opportunity and Responsibility for Kids (CalWORKs) Program

The CalWORKs Program is funded through the Chancellor's Office of the California Community Colleges. The program is designed to promote self-sufficiency through employment and education. This statewide employment initiative offers supportive services to students currently receiving cash assistance (TANF) through their county's CalWORKs program. These supportive services are designed to assist students obtain the educational level they need to transition off of cash aid and ultimately achieve long term self-sufficiency.

At Crafton Hills College, we strive to help our CalWORKs students obtain lifelong learning through education, and gain access to the work force and a new career, while providing support services that help ensure a successful transition.

To be eligible for the CalWORKs Program, a student must meet all of the following requirements:

- Current recipient of CalWORKs (state cash aid)
- Have developed or be in the process of developing a welfare-to-work plan with the County Dept. of Social Services

Services provided include:

- Career and academic counseling
- Educational and occupational assessments
- Intensive case management
- Work study opportunities and job placement
- Skill building courses and parenting and wellness resources
- Childcare assistance
- Textbooks and materials
- Parking permits

Location: Student Services Administration (CCR-221)

Telephone: 909.389.3239

Email: chccalworks@sbccd.cc.ca.us

Career Center

Career Center is located within the Counseling Center and is available to all Crafton Hills College students to meet their career planning needs. Services are provided to develop a student in various areas and stages of their career planning process which includes major decision making, career assessments, career exploration, resume development, interview skills, and job search strategies & etiquette. Students can receive services in the following ways: one-on-one with a career counselor; online through the Crafton Hills College website; on-the-go counseling table; and by attending structured events/workshops. Additional career information regarding career

trends, salary, skills and education needed for employment can be found on the Career Center website through links such as the Bureau of Labor & Statistics Occupational Outlook Handbook, What Can I Do With This Major, and California Career Café.

Location: Crafton Center

Telephone: 909.389.3366

Email: careercenter@craftonhills.edu

Web: www.craftonhills.edu/Careerservices

Cooperative Assistance Resources for Education (CARE) Program

The CARE Program is a state funded program for single parents attending Crafton Hills College. The CARE Program works in conjunction with EOP&S to provide support services to students who receive CalWORKs (state cash aid) benefits in the household.

To be eligible for the CARE Program, a student must meet all of the following requirements:

- Be eligible for the EOP&S Program
- At least 18 years old
- Single, head of household
- Current recipient of CalWORKs/TANF (Temporary Assistance for Needy Families)
- Have a child under the age of fourteen years
- Have applied for financial aid (FAFSA)

CARE provides support services and grant funds to promote academic success and to assist students in attaining their career and vocational goals.

Services provided include:

- Parking permits
- Gas Cards
- CARE book grant
- Child care referrals and grant

Location: Student Services Administration (CCR-221)

Telephone: 909.389.3239

Email: eops@craftonhills.edu

Web: www.craftonhills.edu/EOPS

For current hours of operation, please check <http://craftonhills.edu/CARE>

Counseling

Counseling and advising services assist current and prospective students in establishing their educational goals and identifying support services to help students meet those goals. Whether the goal is to take one course, earn a certificate or degree, or transfer to a four-year college or university, counselors are available to assist in the following areas:

Educational Counseling

- Individual educational planning
- Selection of a major
- Transfer information using current articulation agreements with a number of colleges and universities
- Degree and certificate requirements
- Time management strategies
- Referral to academic support services

Career Counseling

- Assessment of interests, values and skills
- Exploration of career goals based on personal assessment
- Development of career plans
- Career/Life Planning courses

Personal Counseling

- Self-awareness
- Interpersonal communication
- Counseling for educational related personal issues
- Referral to on-campus and off-campus resources
- Decision-making strategies

The counseling relationship between a student and a counselor is confidential. (Counselors act as catalysts to help students define their own questions, explore their own alternatives and ultimately find their own answers).

Hours of operation are subject to change, especially during peak times and academic breaks. Please call to verify hours the Counseling Office is open. Appointments may be made up to two weeks in advance during non-peak times in person or by phone. Counseling is available on a walk-in basis only during peak registration times.

Location: CCR-201

Telephone: 909.389.3366

Email: counseling@craftonhills.edu

Disabled Student Programs and Services (DSP&S)

Crafton Hills College offers support services to students with disabilities who require support to successfully participate in the educational offerings and programs of the college. Students with physical and/or learning disabilities who are eligible may access support services based on their individual limitations and need. In addition DSP&S provides training and access to assistive technologies that increase educational independence for students with disabilities. Services are further supported by specially designed courses to enhance the student's success and independence as a student at the college.

Services provided include:

- Disability related counseling
- Priority registration
- Test facilitation
- Mobility services
- Note-taker services
- Interpreter/captioning services
- Reader services/e-Text
- Assistive technology training, software and equipment

Who Qualifies

In order to be served by Disabled Student Programs and Services, a person must:

- Be enrolled at Crafton Hills College
- Have a disability*
- Have an educational limitation that inhibits the student's ability to participate in the general offerings of the college without additional specialized services.

**Verified by review of documents provided by appropriate agencies, certified or licensed professionals, or assessment by an appropriate DSP&S professional staff member.*

Location: CCR-101

Telephone: 909.389.3325 or TTY 909.794.4105

Email: dsps@craftonhills.edu

Web: www.craftonhills.edu/disabledstudentservices

Extended Opportunity Programs and Services (EOP&S)

Crafton Hills College recognizes that, as a result of financial need, language differences, and academic challenges, some students will need special help for college success. EOP&S (Extended Opportunity Programs and Services) is a state funded effort which provides services that are "over and above" what is traditionally provided to community college students. Special services are provided to full-time community college students that are designed to meet, direct or supplement educational costs for families who are educationally and financially disadvantaged and to provide access to higher education.

Services provided include:

- Academic/Career/Personal Counseling
- Priority registration
- Transfer assistance to the four-year universities
- Assistance in completing an educational plan
- Tutoring
- Book Service Program
- Financial assistance

- Instructional development and services
- CARE Program

To be eligible for the EOP&S Program, a student must meet all of the following requirements:

- Be a California resident
- Be enrolled as a full-time student (12 units or more), exception DSP&S students
- Have completed less than 70 degree applicable units
- Qualify to receive the Board of Governor's Waiver (BOGW) A or B
- Be educationally disadvantaged per Title V guidelines

Location: CCR-21

Telephone: 909.389.3239

Email: eops@craftonhills.edu

Web: www.craftonhills.edu/EOPS

Financial Aid, Grants and Work Study

The Financial Aid Office helps students seeking financial aid to pay for the costs of attending Crafton Hills College. Money is provided to cover the cost of enrollment fees, books, transportation and partial living expenses. Students may be working and still qualify for financial assistance. The basic type of financial aid: grants and self-help (such as work study). Grants are awarded on the basis of financial need and do not require repayment. Work study offers students the opportunity to earn a portion of their college expenses through part-time employment during the school year.

The Free Application for Federal Student Aid (FAFSA) must be used when applying for financial aid. Applying on time is critical. Be sure to contact the Financial Aid Office regarding deadlines. The completed FAFSA should be done online at www.fafsa.gov after October 1st, but no later than the last day of the previous spring semester, in order to ensure funds will be available for the beginning of the fall semester in August. Our school code is 009272. After submitting your FAFSA online, you must come into the financial aid office approximately 3 days later to open your file in the financial aid office. Regardless if you are a new student or a returning student, everyone must open a new file each year. It is important, however, that all requested documentation be returned as soon as possible. Financial aid awards are made only after a student's file is complete. On-time applicants that have returned all requested materials, can expect to receive an electronic financial aid award letter by July in their Web Advisor account. Students receiving financial aid are expected to make satisfactory academic progress toward their educational goal. This includes completing all classes for regardless if aid is received. The Financial Aid staff is here to assist you. Students often find applying for financial aid a difficult and confusing process. Those needing help or advice are encouraged to go to the Financial Aid Office. For information call 909.389.3240.

Types of Financial Aid

Federal Work Study

Students who are interested in the Federal Work Study (FWS) program are required to complete a Free Application for Federal Student Aid

(FAFSA) and other supplemental materials. All application materials are available online.

Federal Supplemental Educational Opportunity Grant (SEOG)

Crafton Hills College participates in the Federal Supplemental Educational Opportunity Grant program, which provides federal grants to a maximum of \$4,000 per year for students who qualify. The average grant at Crafton Hills College is \$600. Applicants must be US citizens or eligible non-citizens and complete the Free Application for Federal Student Aid (FAFSA) and other required supplemental materials. All applications materials are available in the Financial Aid Office.

Cal Grants

The California Student Aid Commission offers three grants for which Crafton Hills College students are eligible to apply. The deadline to apply for these programs for the following year is March 2 and September 2. Students interested in this program must meet the published deadline; no exceptions are made. To apply students must complete the Free Application for Federal Student Aid (FAFSA) online at www.fafsa.gov, from October 1st to March 2nd for the following year.

Dream Act Students may also apply for Cal Grants by completing the Dream Act Application anytime from October 1st to March 2nd of each year at dream.csac.ca.gov.

Full-Time Student Success Grant (FTSSG)

The Full-Time Student Success Grant (FTSSG) is a new financial aid award for Cal Grant recipients attending a California community college full time.

Board of Governors Enrollment Fee Waiver (BOG)

This waiver is available to California residents to cover resident enrollment fees. Students must demonstrate financial need by completing the Free Application for Federal Student Aid (FAFSA) or the Board of Governors Enrollment Fee Waiver Application. The maximum waiver is equal to the community college enrollment fees. Dream Act Students may also apply for the BOG by demonstration need by completed the Dream Act Application at dream.csac.ca.gov or BOG application.

All students who receive BOG will still have a small balance to be paid with Admissions and Records.

Should you need to apply for a refund, please check the class schedule for important [Dates and Deadlines](#).

Federal Pell Grant Program

Crafton Hills College participates in the Federal Pell Grant Program, which provides federal grants of approximately \$5,920 per year for students, depending upon the financial ability of the family and/or individual to contribute to the cost of higher education (as determined by a federal methodology). Applicants must be US citizens or eligible non-citizens and complete the Free Application for Federal Student Aid (FAFSA) and other required supplemental materials. All application materials are available online. Students may apply for a Federal Pell Grant any time after October 1st and have a completed file with the Financial Aid Office.

Health and Wellness Center

Student Health Services contributes to the well-being and educational aims of the students through health services and education. Students

who are at a high level of health and wellness are better able to pursue their academic goals.

Clinical Services

Primary care services - diagnose and treat most common ailments or diseases, laboratory orders, physical exams, contraception or birth-control, immunizations and titers, sexually transmitted diseases and first aid for minor injuries.

Mental Health Services

Crisis intervention, and short-term mental health therapy for stress, anxiety, bipolar disorders, depression, eating disorders, PTSD, etc. Referrals and support groups also available.

Screening Services

Laboratory orders to screen for diseases: STDs, diabetes, thyroid, etc. Also conduct hearing, vision, TB, and blood pressure screens.

Health Education and Promotion

Health education brochures, literature, online magazine (Student Health 101), websites and referral information. Health fairs, nutrition and weight management classes, substance abuse education and quitting referral services, sexual assault prevention education.

Support Services

Student accident insurance, health insurance referrals for uninsured. Family Pact (insurance) provides free family planning services to low income students without health insurance or experiencing hardship.

The health fee paid at registration. A nominal fee is charged for laboratory tests, physicals, and prescription medications dispensed at the Health Center.

For more information, visit www.craftonhills.edu/healthcenter or visit us:

Location: Student Services Building (SSB-101)

Telephone: 909.389.3272

Email: healthwellness@craftonhills.edu

Student Life

How to Start a Club/Student Organization

- Figure out what type of club you'd like to create
- Find four other CHC students who share the same enthusiasm for your organization
- Find a Faculty/Staff member who is willing to serve as your Advisor
- Pick up an Club Charter Packet from the Department of Student Life. The Packet will ask you to write a constitution, develop bylaws, choose officers, and a few other things.

Submit the completed packet to the Department of Student Life. You will receive a phone call within a week or so letting you know when your charter will be reviewed by the Student Senate. (A member of your organization will be asked to attend that meeting to answer any questions the Senate may have.)

Questions about the process? Call the Department of Student Life at 909-389-3410.

AS Sticker

Sales of the AS Sticker form part of the Student Senate budget. Stickers can be purchased for the fall and spring semesters during registration or in person at the following two locations:

- Campus Bookstore
- Department of Admissions and Records

Some of the benefits of the sticker include:

- Discounts on purchases (including food, clothing, and textbooks) at the Campus Bookstore
- Discounted movie and theme park tickets
- The opportunity to apply for Student Senate scholarship awards

The Student Senate budget supports campus causes and events, including club activities and programs, awareness campaigns, student recognition events, scholarship and commencement ceremonies, career and transfer fairs, and scholarships. The Student Senate also sponsors special events that promote cultural awareness and celebrate diversity.

Associated Students of Crafton Hills College (ASCHC)

By virtue of being enrolled at the college, you are a member of the Associated Students of Crafton Hills College. If you want to get involved with student life at Crafton Hills College, consider joining the Student Senate. The Student Senate is the governing body of the Associated Students. Participation in the Student Senate offers you an opportunity to explore and develop leadership potential. You will get acquainted with students, faculty, staff, and administration and represent your fellow students in the decision-making process at the college. In addition, you will have the opportunity to plan events, make friends, and qualify for scholarships.

The Student Senate President, Directors, Senators, and Officers are elected by a vote of the general student body during the spring semester preceding the new school year.

Becoming an A.S. Elected Officer

To run for a Student Senate Executive Board Position, you must pick up an application packet from the Department of Student Life, available during March for the Spring General Elections. Complete the application materials and submit them to the Department of Student Life by the filing deadline. You must attend a mandatory candidates meeting. You are required to have a cumulative GPA 2.0 and must have a minimum of 5 CHC units at the time of verification and during your time in office.

Executive Board (elected Positions)

- Student Senate President
- Directors (4)
- Secretary
- Treasurer

Senatorial Positions (appointed Positions)

- Social Events Officers (2)
- Inter Club Council Officers (2)
- Publicity Officer
- Equity and Diversity Officer

- Activism Officer
- Editorial in Chief
 - Photo Editor*
 - News Editor*
 - Entertainment Editor*
- Senator at Large
- Social Co-Chair (2)

Student Success Program

The Student Success Program is designed to assist new and continuing students with negotiating the sometimes confusing and frustrating processes of the college learning environment. Student Success Advisors are available to answer questions and to connect students to resources available at the college. New and continuing students who do not know where to begin to get their questions answered or problems solved are welcome to call the Student Success Advisors, who will lend a friendly ear and assist students with successfully resolving their problems. Students are encouraged to give the Student Success Program a call or stop by the office if they have any questions, or if they encounter any problems with attending class or successfully completing coursework.

Location: CCR-202

Telephone: 909.389.3366

Email: studentsuccess@craftonhills.edu

University Transfer Center

The University Transfer Center (UTC) assists students with the process of transferring to four-year colleges and universities. At the UTC, students have access to:

- Counseling services to ensure a smooth transition
- 30-minute appointments with local and out-of-state university representatives to track your progress
- Assistance with college applications and personal statements
- Workshops
- Transfer fairs and events
- Articulation agreements between Crafton Hills College and many public and private institutions
- Computers for your transfer research
- College and university catalogs

Location: CCR-153

Telephone: 909.389.3399

Web: www.craftonhills.edu/transfercenter

Email: transfercenter@craftonhills.edu

Veterans Educational Benefits

Crafton Hills College is approved for the training of veterans and eligible dependents of deceased or disabled veterans. After completing an application for admission, a veteran should complete all necessary forms in the Admissions and Records Office.

Veterans are required to choose a major and enroll in classes required for that major. Failure to take proper classes may lead to reduction or termination of benefits. Official transcripts from all previous schools and colleges must be submitted to Admissions and Records Office for evaluation before the end of the student's first term of attendance.

The unit requirements (FALL and SPRING) for Chapter 30 (Montgomery GI Bill), for Chapter 33 (Post 9/11), or Chapter 35 (Dependents' Educational Assistance), for Chapter 1606 (Montgomery GI Bill - Selected Reserve; Educational Assistance), for Chapter 1607 (REAP) are:

Full-time.....	12 units or more
3/4 time.....	9-11 1/2 units
1/2 time.....	6-8 1/2 units
1/4 time.....	3-5 1/2 units

Summer Session: *Full-time is considered five units in a seven-week course, six units in an eight-week course, or four units in a six-week course.

Veterans taking short-term courses will be paid only for the actual enrollment period. If the veteran receives an "F" or "W" grade for non-attendance, he or she must repay the VA from the date he or she stopped attending the class. In order to receive benefits, veterans and dependents must submit a Request for VA Benefits Form to the Admissions and Records Office at the beginning of each semester. It is the veteran's responsibility to promptly notify the Admissions and Records Office of any change of program.

Veterans will be awarded seven units of credit for health and physical education (only for honorable discharge) by submitting a copy of their DD214 member 4 to the Admissions and Records Office.

Veterans on academic and/or progress probation for two consecutive semesters may not be certified for the following semester. Please see the assigned VA counselor for details.

Certifying Official: Steve Rush

Location: CCR-111

Telephone: 909.389.3396

Email: veteransservices@craftonhills.edu

For additional information visit: www.gibill.va.gov

Academic Support Services

Tutoring Center

The Tutoring Center, also located in the Tutoring Resources Center, provides free tutoring for a variety of courses including math, writing,

foreign languages, and the sciences. The Center also offers reading and language activities and an open-use computer lab. During the semester, students will have the opportunity to develop their academic skills through the center's workshop series. Come and investigate your resources. For more information on the center's programs, visit the Learning Center webpage at:

http://craftonhills.edu/student_resources/tutoring_center.

Library

Located in the new 60,000 square foot Learning Resource Center, the Crafton Hills College Library supports students, faculty and staff with more than 60,000 book titles, 1,200 videos, and nearly 100 computers. The library also offers a wide range of online research databases many of which are available from home with a password provided by the college. Your Student ID Card is your Library Card. You may also pick up the IEALC (Inland Empire Academic Library Cooperative Card) that will allow you to check out materials in 20 other college libraries throughout the south land. Local community members are also welcome and may request a Library Card for the College Library.

For information call 909.389.3321 for general information or for reference help call 909.389.3322 or 909.389.3323.

Other Services for Students

College Police

It is a policy of the Board of Trustees for the San Bernardino Community College District to protect members of the entire college community and the property of Crafton Hills College. In accordance with this policy, the District maintains a Police Department 24 hours a day, 7 days a week. The officers are sworn and duly Commissioned Police Officers of the State of California as defined in section 830.32 of the Penal Code and 72330 of the California Education Code and authority extends to anywhere within the state.

- **FOR NON-EMERGENCIES:**

Contact the San Bernardino Community College District Police Department Office at 909.389.3276. Our business office is located in the Lab Administration Building Communication Center Room 153 on the Crafton Hills Campus. Call this number to locate and/or turn in lost articles or to relay concerns for personal safety along with parking rules and regulations.

- **TO REPORT ANY CRIMINAL ACTION OR A LIFE-THREATENING EMERGENCY:**

Dial 911 or contact the San Bernardino Community College District Police Department at 909.389.3275. Be aware that when the office is closed on nights and weekends the San Bernardino County Sheriff will dispatch for the District Police Department.

- **LIABILITY:**

The Board of Trustees of the San Bernardino Community College District, its administration, or other employees are not and shall not be liable under any circumstances for loss or damage to vehicles or contents thereof parked or stored on District property by fire, theft, or any other cause whatsoever.

The San Bernardino Community College District is required by the United States Department of Education to post and/or publish crime

statistics. Crime statistics are available in LADM 153 and on the District Police website: <http://www.sbccd.org>

Housing

Crafton Hills College has no dormitories, and therefore cannot assume responsibility for student residence.

Campus Store

The Campus Store supports the students' needs with textbooks, rentals, course materials, supplies, electronics, convenience foods, snacks and beverages. Visit our website for additional information on our products and services.

Hours: Monday-Thursday from 7:45 a.m. to 6 p.m., Friday 7:45 a.m. to 3 p.m.

Location: Campus Store (Crafton Center)

Telephone: 909.389.3250

Web Address: <https://bookstore.craftonhills.edu/>

Child Development Center

The Child Development Center (CDC) is owned and operated by Crafton Hills College, serving the college and the community. The CDC offers:

- Preschool programs for children ages 3 to 5 years
- Extended care for enrolled families
- AM & PM State Preschool program (income qualifying)
- High quality developmental & educational program
- Educated and highly trained staff
- Beautiful indoor and outdoor environments

Open 7:00 a.m. to 4:30 p.m. Monday through Friday. Center is closed for the month of July.

Location: Child Development Center (CDC)

Telephone: 909.389.3400

Email: Deborah Wasbotten at dwasbotten@sbccd.cc.ca.us

WHAT ARE YOUR OPTIONS

Academic Programs

Degrees

Students who successfully complete the requirements for graduation are awarded Associate of Arts, Associate of Science, Associate in Arts for Transfer or Associate in Science for Transfer degrees. Students who complete the requirements of selected programs receive Certificates of Achievement.

Getting a Certificate at CHC

Certificate Requirements

Students intending to earn a certificate from Crafton Hills College must complete no less than 50 percent of the courses required for the certificate in residence at Crafton Hills College and must earn a "C" or better in all coursework required as a part of the certificate.

Issuing Certificates

After certificate requirements are reviewed by the Admissions and Records Office, certificates are issued by the individual departments through the Office of the Dean of Career Education and Human Development. Certificates will be mailed to the address on file in the Admissions and Records Office unless students request otherwise. For more information, please contact the Office of the Dean of Career Education and Human Development at 909.389.3344.

Certificates of Achievement

Any sequence of courses consisting of 18 or more semester units or 27 or more quarter units of degree-applicable credit coursework shall constitute an educational program subject to approval by the Chancellor pursuant to section 55130. The college-awarded document confirming that a student has completed such a program shall be known as a certificate of achievement and may not be given any other designation. The award of a certificate of achievement is intended to represent more than an accumulation of units. Listing of the certificate of achievement on a student transcript symbolizes successful completion of patterns of learning experiences designed to develop certain capabilities that may be oriented to career or general education. For purposes of this subdivision, the term "general education" includes a coursework taken to satisfy transfer patterns established by the University of California, the California State University, or accredited public post-secondary institutions in adjacent states which award the baccalaureate degree.

A district may submit any sequence of courses consisting of 12 or more semester units or 18 or more quarter units of degree-applicable credit coursework to the Chancellor and request that it be approved as a program leading to a certificate of achievement. The Chancellor may approve such a program if he or she determines that it satisfies the requirements of subdivision (a) despite requiring fewer than 18 semester or 27 quarter units of degree-applicable credit coursework. (Title 5, Section 55070)

Crafton Hills College offers the following Certificates of Achievement. Refer to the particular discipline for course requirements for each certificate.

American Sign Language

- American Sign Language (p. 78)

Business Administration

- Business Management (p. 86)
- Retail Management (p. 87)
- Marketing Management (p. 115)

Child Development

- Teacher (p. 91)
- Master Teacher (p. 90)
- Site Supervisor (p. 91)

Computer Information Systems

- Computer Information Systems (p. 95)
- Computer Assisted Graphic Design (p. 95)

Emergency Medical Services

- Emergency Medical Technician - Paramedic (p. 99)

Fire Technology Services

- California Fire Officer Training (p. 104)

Radiologic Technology

- Radiologic Technology (p. 132)

Transfer Studies

- CSU General Education Breadth
- IGETC

Locally Approved, Non-transcribed Certificates

Shorter credit programs leading to a certificate may be established without review and approval by the Chancellor after approval by the college curriculum committee and the district governing board. Such a certificate may be given any name or designation deemed appropriate by the district governing board, except that such a certificate may not be referred to as a certificate of achievement, a certificate of completion, or a certificate of competency, unless approved by the Chancellor. Such a certificate may not be listed on a student's transcript, unless approved by the Chancellor. (Title 5, Section 55070)

Crafton Hills College offers the following non-transcribed certificates. Refer to the particular discipline for course descriptions and requirements for each certificate.

Business Administration

- Administrative Assistant (p. 86)

Child Development

- Associate Teacher (p. 90)

Computer Information Systems

- Cisco Certified Network Associate (p. 95)
- IT Technician (p. 96)
- Programming (p. 96)
- Web Design (p. 96)

Emergency Medical Services

- Emergency Medical Technician-I (p. 99)
- Mobile Intensive Care Nurse (p. 100)

Fire Technology

- Fire Inspection Academy (p. 105)
- Firefighter I Basic Training Academy (p. 105)

Music

- Music Technology and Songwriting Fundamentals (p. 126)
- Music Technology, Composition and Songwriting (p. 126)

Gainful Employment Disclosure Information

The U.S. Department of Education requires colleges to report certain information such as graduation rates and costs for programs that prepare students for gainful employment in a recognized occupation. For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at www.craftonhills.edu/academic-and-career-programs/gainful-employment.

Graduation Requirements

Students have several options for choosing a degree at CHC. For those wishing to complete their college experience at Crafton, there are discipline-specific and multidisciplinary degrees which build competency in a particular field. Students who choose these degree options will need to fulfill CHC's general education requirements option 1 (p. 49) or option 2 (p. 49). For students who plan to transfer, particular courses need to be completed to meet the four-year college's requirements. Both the CSUs and UCs have their own sets of general education requirements, which are described in their respective sections. Major preparation courses also differ depending on the college and the program.

Degrees

The Board of Trustees, upon recommendation of the President and faculty of the college, is authorized to confer the Associate of Arts (AA), the Associate of Science degrees (AS), Associate in Arts for Transfer (AA-T) and Associate in Science for Transfer (AS-T). The requirements for graduation with any degree represent both minimum state requirements and the firm commitment of Crafton Hills College to the principles of general education. Requirements are designed to develop the full potential of each student, broaden his or her outlook and provide the basis for exemplary citizenship.

Catalog Rights

Graduation requirements contained in this catalog apply to students initially enrolled during the 2017-2018 academic year.

Each new academic year begins with the fall semester. If a student enrolls during a summer session, he or she has catalog rights in effect for the previous academic year.

Continuous Enrollment and Graduation

Degree and certificate requirements may change from one academic year to the next. Students have the right to graduate under the terms of

any single catalog that is published while in continuous enrollment at Crafton Hills College. In the event that the required course(s) has/have been discontinued, students may petition for course substitution. For more information, make an appointment with a counselor.

Continuous enrollment is defined as attendance in at least one transcripted course during a fall or spring semester within an academic year.

Readmission and Graduation

Students who have had a break in enrollment at Crafton Hills College of one academic year or more, may choose to meet the graduation and/or certificate requirements in effect at the time of their readmission or any single catalog published thereafter, while in continuous enrollment.

Incoming Students Who Attended Other Institutions

Students attending Crafton Hills College who have attended other colleges and universities may choose to meet the graduation requirements in effect at the time of their first enrollment at Crafton Hills College or any single catalog thereafter, while in continuous enrollment.

New Programs

In the event that a degree or certificate program is introduced after a student's first term, students may choose to meet the requirements listed in the catalog where the program is first listed or the requirements in effect at the time of graduation.

Application for Graduation

Students must file a formal application for graduation with the Admissions & Records Office. Students may graduate at the end of any semester. Applications must be filed during the semester in which students will complete their graduation requirements and will not be accepted prior to the first day of the term for which applying.

Students intending to earn an associate degree or certificate from Crafton Hills College must submit official transcripts to the Admissions & Records Office from all other regionally accredited institutions attended regardless of whether or not coursework will be used toward the degree or certificate. All transfer work will be posted to the student's transcript and included in the calculation of the overall cumulative grade point average.

Application Deadlines:

Fall: August 1 - October 30

Spring: November 1 - March 30

Summer: April 1 - June 30

When the printed deadlines are on either Saturday or Sunday, the filing period will be extended to the Monday following the deadline date.

Course Waivers and Substitutions

Students applying for graduation must attach verification and/or documentation of any waivers or course substitutions granted. Waivers and/or substitutions are approved at the department level and must be signed by the department chair.

Incompletes

Students intending to earn an associate degree from Crafton Hills College must resolve all incomplete grades, whether at Crafton Hills College or any other regionally-accredited institution attended, prior to the end of the term in which the degree will be granted. Students must submit official transcripts to the Admissions and Records Office showing the removal of all incomplete grades, replaced with an appropriate letter grade or other evaluative symbol.

Commencement Ceremony

Crafton Hills College hosts an annual commencement ceremony each year at the end of the spring semester. Recipients of an Associate of Arts, Associate of Science or Certificate who have graduated during the preceding summer or fall term or have applied to graduate during the spring term and have been cleared by the Admissions and Records Office will be eligible to participate in the commencement ceremony. Participation is encouraged although not required.

Diplomas

A.A. / A.S. Applicants Only – It will take up to six (6) weeks after the end of the term in which you applied for graduation for final evaluations to be completed and your degree to be posted to your transcript. Your diploma will be mailed to the address on file in the Admissions & Records Office. Please allow up to eight (8) weeks after the end of the term to receive your diploma in the mail. Reprints of diplomas are available in the Admissions and Records Office for a fee.

Associate Degree Programs

Degree Requirements

To earn an Associate of Arts degree or an Associate of Science degree, students must complete general education breadth requirements as specified in Option 1 (p. 49) or Option 2 (p. 49). Students must also meet the following requirements for the Associate of Arts and Associate of Science degree:

1. Completion of a minimum of 60 units of acceptable college work with at least a "C" (2.0) or better cumulative and institutional grade point average. The following restrictions apply to the 60 units required for graduation:
 - a. A maximum of 4 units of physical education activities may be applied
 - b. A maximum of 15 units of credit (CR) or pass (P) grades may be applied. No course taken for the student's major may be taken for CR or P.
 - c. A maximum of 6 units of reading and study skills courses numbered 001-099 (READ 078X2, and CHC 090) may be applied.
 - d. A maximum of 16 units of Career and Technical Education Worksite Experience or 6 units of General Worksite Experience may be applied for elective credit.
2. Successful completion of a minimum of 18 semester units with a "C" or better in all courses required as part of a major as identified by the college catalog.
3. Completion of 12 semester units in residence at Crafton Hills College

4. Reading and writing competency as demonstrated by a grade of "C" or better in ENGL 101 or ENGL 101H or an equivalent course from another accredited institution.
5. Mathematics proficiency as demonstrated by completion of MATH 095 or MATH 095C or any higher level math course with a grade of "C" or better or an equivalent course from another accredited institution.
6. Completion of one of three general education breadth patterns; the Crafton Hills College general education breadth pattern option 1; the Intersegmental General Education Transfer Curriculum (IGETC) option 2A; or the California State University (CSU) general education breadth pattern option 2B.

General Education

Option 1: Associate degree

The general education requirements for Option 1 are designed by Crafton Hills College to provide a fundamental learning foundation for all instructional programs offered by the college. These courses are designed to stimulate the student's intellectual curiosity, to introduce the student to the major broad domains of higher education, and to develop the student's awareness of societal concerns and the responsibilities of citizenship.

Option 2: Associate degree with the intent to transfer to a four year institution

Option 2A

The general education breadth requirements for option 2A follow the Intersegmental General Education Transfer Curriculum (IGETC). Students completing the IGETC pattern will satisfy Option 2A general education breadth requirements.

Option 2B

The general education breadth requirements for option 2B follow the California State University (CSU) general education breadth pattern. Students completing the CSU general education breadth pattern will satisfy Option 2B general education breadth requirements.

General Education Outcomes

NOTE: The courses required for general education at Crafton Hills College (see requirement number 6) may also be used towards fulfilling areas of the IGETC and/or CSU GE requirements.

General Education courses provide a fundamental learning foundation for all instructional programs offered by the college. These courses are designed to stimulate the student's intellectual curiosity, to introduce the student to the major broad domains of higher education, and to develop the student's awareness of societal concerns and the responsibilities of citizenship. All programs leading to the associate degree include a general education component.

General Education at Crafton Hills College is designed to prepare students to:

- analyze, synthesize, and evaluate various forms of information;
- demonstrate effective oral and written communication;
- analyze and use quantitative and qualitative data;

- apply problem-solving and decision-making skills utilizing multiple methods of inquiry;
- recognize the contributions of the arts, humanities, and sciences;
- make informed decisions regarding physical, mental, and emotional health issues;
- develop social awareness and a global perspective;
- understand the power and complexity of diversity.

General Education provides a broad cultural and intellectual background to complement mastery of specific fields of knowledge and contributes to an individual's self-awareness.

Natural Sciences (4 units)

Major/Program Requirements

Students successfully completing a course in this area will be able to apply a problem solving strategy such as the scientific method or other systematic process of inquiry and to recognize the contributions of science and technology in our world.

Course Listing:

ANAT 101	Essentials of Human Anatomy and Physiology	4.00
ANAT 150	Human Anatomy and Physiology I	4.00
ANAT 151	Human Anatomy and Physiology II	4.00
ASTRON 150 or ASTRON 150H	Introduction to Astronomy	3.00
ASTRON 160	Astronomy Laboratory	1.00
BIOL 100	General Biology	4.00
BIOL 130 or BIOL 130H	Cell and Molecular Biology	4.00
BIOL 131 or BIOL 131H	Populations and Organisms	4.00
CHEM 101	Introduction to Chemistry	4.00
CHEM 102	Introduction to Organic Chemistry	4.00
CHEM 150 or CHEM 150H	General Chemistry I	5.00
CHEM 151 or CHEM 151H	General Chemistry II	5.00
CHEM 212	Organic Chemistry I	4.00
CHEM 213	Organic Chemistry II	4.00
ENVS 101 or ENVS 101H	Introduction to Environmental Science	3.00
ENVS 110	Introduction to Environmental Science Laboratory	1.00
GEOG 110 or GEOG 110H	Physical Geography	3.00
	AND	
GEOG 111 or GEOG 111H	Physical Geography Laboratory	1.00
GEOG 114	Investigations in Weather and Climate	4.00

GEOL 100 or GEOL 100H	Physical Geology	4.00
	OR	
GEOL 101 or GEOL 101H	Introduction to Geology	3.00
	AND	
GEOL 160	Geology Laboratory	1.00
GEOL 112	Historical Geology	4.00
MICRO 102	Introductory Microbiology	4.00
MICRO 150	Medical Microbiology	5.00
OCEAN 100	Investigations in Oceanography	4.00
PHYSIC 100	Introduction to Physics	4.00
PHYSIC 110	General Physics I	4.00
PHYSIC 111	General Physics II	4.00
PHYSIC 250	College Physics I	4.00
PHYSIC 251	College Physics II	4.00
PHYSIC 252	College Physics III	4.00

Social and Behavioral Sciences (3 units)

Major/Program Requirements

Students successfully completing a course in this area will be able to recognize, describe and analyze individual behaviors and various social institutions that influence our world.

Course Listing:

ANTHRO 100	Introduction to Archaeology	3.00
ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
ANTHRO 106 or ANTHRO 106H	Biological Anthropology	3.00
ANTHRO 107 or HIST 107	The United States and the North American Indians	3.00
ANTHRO 136	Arab Culture and Civilization	3.00
BUSAD 100	Introduction to Business	3.00
CD 105	Child Growth and Development	3.00
COMMST 135 or JOUR 135	Mass Communication in Society	3.00
COMMST 174	Communication in a Diverse World	3.00
ECON 100	Introduction to Economics	3.00
ECON 200 or ECON 200H	Principles of Macroeconomics	3.00
ECON 201 or ECON 201H	Principles of Microeconomics	3.00
GEOG 102 or GEOG 102H	Cultural Geography	3.00
GEOG 120	World Regional Geography	3.00
HIST 100 or HIST 100H	History of the United States to 1877	3.00
HIST 101 or HIST 101H	History of the United States 1865 to Present	3.00
HIST 107 or ANTHRO 107	The United States and the North American Indians	3.00

HIST 145	California History	3.00
HIST 150	Survey of Latin American History	3.00
HIST 170 or HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
HIST 171 or HIST 171H	World Civilizations (1500 CE to the Present)	3.00
POLIT 100 or POLIT 100H	American Politics	3.00
POLIT 102	California Politics and Culture	3.00
POLIT 104	Introduction to Comparative Politics	3.00
POLIT 106	Introduction to World Politics	3.00
POLIT 110	Introduction to Political Theory	3.00
POLIT 122	Politics of the Middle East	3.00
PSYCH 100 or PSYCH 100H	General Psychology	3.00
PSYCH 101	Research Methods	3.00
PSYCH 102	Personal and Social Adjustment	3.00
PSYCH 103	Theories of Personality	3.00
PSYCH 110	Abnormal Psychology	3.00
PSYCH 111	Developmental Psychology: Lifespan	3.00
PSYCH 118	Human Sexual Behavior	3.00
RELIG 120	Introduction to Islam	3.00
SOC 100 or SOC 100H	Introduction to Sociology	3.00
SOC 105	Social Problems	3.00
SOC 106	Tribulation, Triumph and Transformation: Introduction to Women's Studies	3.00
SOC 130	Marriage, Family and Intimate Relationships	3.00
SOC 132	Identity and Ideology: Introduction to Chicano/a and Latino/a Studies	3.00
SOC 141	Minority Relations	3.00
SOC 145	Sex, Gender and Society	3.00
SOC 150	Gerontology	3.00

Humanities and Fine Arts (6 units)

Humanities

3 units from the following:

Students successfully completing a course in this area will be able to identify and evaluate the historical and cultural context of the human experience as it relates to his/her perspective of that experience.

ANTHRO 107 or HIST 107	The United States and the North American Indians	3.00
ANTHRO 110 or RELIG 110	Tribal and Ethnic Religions	3.00
ANTHRO 136	Arab Culture and Civilization	3.00
ARABIC 101	College Arabic I	5.00
ARABIC 102	College Arabic II	5.00
ARABIC 103	College Arabic III	5.00
ARABIC 104	College Arabic IV	5.00
ASL 101	American Sign Language I	4.00
ASL 102	American Sign Language II	4.00
ASL 103	American Sign Language III	4.00

ASL 104	American Sign Language IV	4.00
ASL 115	The American Deaf Experience: Introduction to Deaf Studies	3.00
ENGL 108 or THART 108	World Drama I	3.00
ENGL 109 or THART 109	World Drama II	3.00
ENGL 150	Classical Mythology	3.00
ENGL 152 or ENGL 152H	Intermediate Composition and Literature	4.00
ENGL 155 or ENGL 155H	Children's Literature	3.00
ENGL 160	Literature by Women	3.00
ENGL 163	Chicano/Latino Literature	3.00
ENGL 175 or RELIG 175	Literature and Religion of the Bible	3.00
ENGL 250	Fiction	3.00
ENGL 260	Survey of American Literature I	3.00
ENGL 261	Survey of American Literature II	3.00
ENGL 270	Survey of British Literature I	3.00
ENGL 271	Survey of British Literature II	3.00
ENGL 275	Shakespeare	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00
FRENCH 101	College French I	5.00
FRENCH 102	College French II	5.00
FRENCH 103	College French III	5.00
FRENCH 104	College French IV	5.00
HIST 100 or HIST 100H	History of the United States to 1877	3.00
HIST 101 or HIST 101H	History of the United States 1865 to Present	3.00
HIST 135 or RELIG 135	Religion in America	3.00
HIST 145	California History	3.00
HIST 150	Survey of Latin American History	3.00
HIST 170 or HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
HIST 171 or HIST 171H	World Civilizations (1500 CE to the Present)	3.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00
HUM 103	Humanities: The Arts and Culture of Los Angeles	1.00
HUM 140	Humanities Through the Arts	3.00
JAPN 101	College Japanese I	5.00
JAPN 102	College Japanese II	5.00
JAPN 103	College Japanese III	5.00
JAPN 104	College Japanese IV	5.00
PHIL 101 or PHIL 101H	Introduction to Philosophy	3.00

PHIL 105 or PHIL 105H	Introduction to Ethics: Moral Values in Today's Society	3.00
RELIG 100 or RELIG 100H	Introduction to Religious Studies	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00
RELIG 113	Introduction to Eastern Religions	3.00
RELIG 120	Introduction to Islam	3.00
RELIG 135 or HIST 135	Religion in America	3.00
RELIG 176	Jesus and His Interpreters	3.00
RUS 101	College Russian I	5.00
RUS 102	College Russian II	5.00
SPAN 101	College Spanish I	5.00
SPAN 102	College Spanish II	5.00
SPAN 103	College Spanish III	5.00
SPAN 104	College Spanish IV	5.00
SPAN 157	Spanish for Spanish Speakers I	5.00
SPAN 158	Spanish for Spanish Speakers II	5.00

Fine Arts

3 units from the following:

Students successfully completing a course in this area will be able to appreciate the value of artistic expression and human creativity in the fine arts and evaluate them as part of human culture.

ART 100 or ART 100H	Art History I: Prehistoric Art to Medieval Art	3.00
ART 102 or ART 102H	Art History II: Renaissance Art to Contemporary Art	3.00
ART 103	Art Appreciation	3.00
ART 105	History of Modern Art	3.00
ART 113	Survey of Asian Art	3.00
COMMST 120 or COMMST 120H	Oral Interpretation of Literature	3.00
DANCE 200 or DANCE 200H	Dance History and Appreciation	3.00
ENGL 170	The Film Experience	3.00
ENGL 232	Creative Writing	3.00
HUM 103	Humanities: The Arts and Culture of Los Angeles	1.00
HUM 140	Humanities Through the Arts	3.00
MUSIC 100	Fundamental Skills in Music	3.00
MUSIC 103 or MUSIC 103H	Appreciation of American Popular Music	3.00
MUSIC 120 or MUSIC 120H	Appreciation of Musical Literature	3.00
MUSIC 134	Jazz History	3.00
THART 100 or THART 100H	Introduction to Theatre	3.00

Language and Rationality (13-14 units)

Written Traditions

4 units from the following:

Students successfully completing a course in this area will be able to write competently for a variety of purposes and audiences.

ENGL 101 or ENGL 101H	Freshman Composition	4.00
ENGL 146	Writing for Business and the Professions	4.00

Oral Traditions

3 units from the following:

Students successfully completing a course in this area will be able to demonstrate effective oral communication skills, including speaking and listening to individuals of diverse backgrounds.

BUSAD 145 or COMMST 145	Business Communication	4.00
BUSAD 155 or COMMST 155	Human Relations in the Workplace	3.00
COMMST 100 or COMMST 100H	Elements of Public Speaking	3.00
COMMST 111 or COMMST 111H	Interpersonal Communication	3.00
COMMST 140	Small Group Communication	3.00

Quantitative Reasoning

3-4 units from the following:

Students successfully completing a course in this area will be able to interpret quantitative reasoning and perform mathematical operations in an effort to demonstrate quantitative reasoning skills.

CSCI 200 or MATH 200	Discrete Structures	4.00
MATH 095	Intermediate Algebra	4.00
MATH 102	College Algebra	4.00
MATH 103	Plane Trigonometry	4.00
MATH 108 or PSYCH 108	Statistics	4.00
	OR	
MATH 110	Introduction to Probability and Statistics	4.00
	OR	
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00
MATH 115	The Ideas of Mathematics	3.00
MATH 141	Calculus for Business	4.00
MATH 160	Precalculus	4.00
MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00
MATH 252	Multivariable Calculus	5.00
MATH 265	Linear Algebra	4.00
MATH 266	Introduction to Ordinary Differential Equations	4.00

Critical Thinking and Information Literacy

3 units from the following:

Students successfully completing a course in this area will be able to access, analyze, synthesize, evaluate and use various forms of information.

COMMST 125 or COMMST 125H	Critical Thinking through Argumentation and Debate	3.00
ENGL 102 or ENGL 102H	Intermediate Composition and Critical Thinking	4.00
LIBR 100	Introduction to Library Research and Information Competency	3.00
PBSF 127	Emergency Services: Decision Making and Problem Solving	3.00
PHIL 103	Introduction to Logic: Argument and Evidence	3.00

Health and Wellness (2-3 units)

Major/Program Requirements

Students successfully completing a course in this area will be able to appreciate one's own physical, mental and emotional health and demonstrate the knowledge and/or skills associated with actions necessary for optimum health and physical efficiency.

Course Listing:

DANCE 101	Modern Dance I	2.00
DANCE 102	Modern Dance II	2.00
DANCE 103	Ballet I	2.00
DANCE 104	Ballet II	2.00
DANCE 130A or KIN/D 130A	Jazz Dance I	0.50-1.00
DANCE 143A or KIN/D 143A	Funk/Hip Hop Dance I	0.50-1.00
DANCE 163A or KIN/D 163A	Ballroom/Swing/Salsa I	0.50-1.00
HEALTH 102	Biological Principles of Health	3.00
HEALTH 263 or HEALTH 263H	Nutrition and Health	3.00
KIN/F 049 or FIRET 049	Basic Firefighter Physical Fitness	2.00
KIN/F 105A	Aerobic Conditioning I	0.50 - 1.00
KIN/F 106A	Total Body Fitness I	0.50 - 1.00
KIN/F 108A	Resistance and Weight Training I	0.50 - 1.00
KIN/F 127A	Walking for Fitness I	0.50 - 1.00
KIN/F 155A	Conditioning with the Pilates Method I	0.50 - 1.00
KIN/F 168A	Yoga I	0.50 - 1.00
KIN/F 190A	Tai Chi I	0.50 - 1.00
KIN/F 190B	Tai Chi II	0.50 - 1.00
KIN/F 190C	Tai Chi III	0.50 - 1.00
KIN/F 190D	Tai Chi IV	0.50 - 1.00
KIN/S 120A	Golf I	0.50 - 1.00
KIN/S 148A	Tennis I	0.50 - 1.00
KIN/S 164A	Swimming I	0.50 - 1.00
KIN/S 164B	Swimming II	0.50 - 1.00

KIN/S 164C	Swimming III	0.50 - 1.00
KIN/S 164D	Swimming IV	0.50 - 1.00
KIN/S 179A	Team Sports I	0.50 - 1.00
KIN/S 179A	Team Sports I	0.50 - 1.00
KIN/S 248A	Competitive Tennis I	0.50 - 1.00

Diversity and Multiculturalism and American Heritage

As part of the 28 units of general education coursework, students must satisfy the following two requirements by taking one course in each of the following two categories:

Diversity and Multiculturalism

A minimum of one course chosen from this group may be taken as part of areas A-E above. Students successfully completing a course in this area will be able to comprehend and appreciate cultural diversity, explore the multicultural nature of our world, and interact with other cultures in relation to one's own.

Course Listing:

ANTHRO 107 or HIST 107	The United States and the North American Indians	3.00
ANTHRO 110 or RELIG 110	Tribal and Ethnic Religions	3.00
ANTHRO 136	Arab Culture and Civilization	3.00
ARABIC 101	College Arabic I	5.00
ARABIC 102	College Arabic II	5.00
ARABIC 103	College Arabic III	5.00
ARABIC 104	College Arabic IV	5.00
ASL 101	American Sign Language I	4.00
ASL 102	American Sign Language II	4.00
ASL 103	American Sign Language III	4.00
ASL 104	American Sign Language IV	4.00
ASL 115	The American Deaf Experience: Introduction to Deaf Studies	3.00
COMMST 174	Communication in a Diverse World	3.00
ENGL 160	Literature by Women	3.00
ENGL 163	Chicano/Latino Literature	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00
FRENCH 101	College French I	5.00
FRENCH 102	College French II	5.00
FRENCH 103	College French III	5.00
FRENCH 104	College French IV	5.00
GEOG 102 or GEOG 102H	Cultural Geography	3.00
HIST 150	Survey of Latin American History	3.00
HIST 170 or HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
HIST 171 or HIST 171H	World Civilizations (1500 CE to the Present)	3.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00

HUM 140	Humanities Through the Arts	3.00
JAPN 101	College Japanese I	5.00
JAPN 102	College Japanese II	5.00
JAPN 103	College Japanese III	5.00
JAPN 104	College Japanese IV	5.00
SOC 106	Tribulation, Triumph and Transformation: Introduction to Women's Studies	3.00
SOC 132	Identity and Ideology: Introduction to Chicano/a and Latino/a Studies	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00
RELIG 113	Introduction to Eastern Religions	3.00
RELIG 120	Introduction to Islam	3.00
RUS 101	College Russian I	5.00
RUS 102	College Russian II	5.00
SOC 105	Social Problems	3.00
SOC 141	Minority Relations	3.00
SOC 145	Sex, Gender and Society	3.00
SOC 150	Gerontology	3.00
SPAN 101	College Spanish I	5.00
SPAN 102	College Spanish II	5.00
SPAN 103	College Spanish III	5.00
SPAN 104	College Spanish IV	5.00
SPAN 157	Spanish for Spanish Speakers I	5.00
SPAN 158	Spanish for Spanish Speakers II	5.00

American Heritage

A minimum of one course chosen from this group may be taken as a part of areas A-E above. Students successfully completing a course in this area will be able to recognize and appreciate the unique contributions, history and collective heritage of the United States.

Course Listing:

ENGL 260	Survey of American Literature I	3.00
ENGL 261	Survey of American Literature II	3.00
HIST 100 or HIST 100H	History of the United States to 1877	3.00
HIST 101 or HIST 101H	History of the United States 1865 to Present	3.00
HIST 135 or RELIG 135	Religion in America	3.00
HIST 145	California History	3.00
MUSIC 103 or MUSIC 103H	Appreciation of American Popular Music	3.00
MUSIC 134	Jazz History	3.00
POLIT 100 or POLIT 100H	American Politics	3.00

Discipline - Specific Degrees

Discipline-specific degrees are designed for students who wish to gain knowledge and skills in a specific field. Students will need to complete CHC's general education requirements to earn these degrees. The discipline-specific courses may not prepare students for transferring into a major at a four-year college.

Associate of Arts Degrees

1. Completion of the requirements for an associate degree (see requirements 1 through 6 (p. 49)).
2. Completion of a minimum of eighteen (18) units with at least a "C" (2.0) or better in each course in one of the following discipline-specific programs. (Refer to the particular discipline for requirements for each major.)
 - American Sign Language - Associate of Arts Degree (p. 78)
 - Anthropology - Associate of Arts Degree (p. 80)
 - Arabic - Associate of Arts Degree
 - Art - Associate of Arts Degree (p. 83)
 - Child Development - Associate of Arts Degree (p. 89)
 - Communication - Associate of Arts Degree (p. 93)
 - English - Associate of Arts Degree (p. 103)
 - History - Associate of Arts Degree (p. 111)
 - Japanese - Associate of Arts Degree (p. 112)
 - Music - Associate of Arts Degree (p. 125)
 - Mathematics - Associate of Arts Degree (p. 125)
 - Philosophy - Associate of Arts Degree (p. 127)
 - Political Science - Associate of Arts Degree (p. 129)
 - Psychology - Associate of Arts Degree (p. 131)
 - Religious Studies - Associate of Arts Degree (p. 134)
 - Sociology - Associate of Arts Degree (p. 137)
 - Spanish - Associate of Arts Degree (p. 138)
 - Theatre Arts - Associate of Arts Degree (p. 139)

Associate of Science Degrees

1. Completion of the requirements for an associate degree (see requirements 1 through 6 (p. 49)).
2. Completion of a minimum of eighteen (18) semester units with at least a "C" (2.0) or better in each course in one of the following discipline-specific programs. (Refer to the particular discipline for requirements for each major.)
 - Biology - Associate of Science Degree (p. 85)
 - Business Administration - Associate of Science Degree (p. 86)
 - Chemistry - Associate of Science Degree (p. 88)
 - Computer Information Systems - Associate of Science Degree (p. 94)
 - Computer Science - Associate of Science Degree
 - Emergency Medical Services - Associate of Science Degree (p. 99)
 - Fire Technology - Associate of Science Degree (p. 104)
 - Geography - Associate of Science Degree (p. 106)
 - Geology - Associate of Science Degree (p. 108)
 - Physics - Associate of Science Degree (p. 128)

- Radiologic Technology - Associate of Science Degree (p. 132)
- Respiratory Care - Associate of Science Degree (p. 135)

Multidisciplinary Degrees

Multidisciplinary degrees are designed for students who have broad interest in a particular area that expands beyond a single discipline. These degrees provide an option to students wishing to explore a variety of related disciplines or to prepare for any number of fields. Students will need to complete CHC's general education requirements to earn these degrees. The discipline-specific courses may not prepare students for transferring into a major at a four-year college.

Associate of Arts Fine Arts Degree

The Associate of Arts Fine Arts degree focuses on the development of creative expression and critical inquiry in music and the arts. Students will appreciate the value of artistic expression and human creativity in the fine arts and evaluate them as part of human culture and human creativity. This degree is multidisciplinary giving students the knowledge and experience in theatre arts, the visual arts, music and dance.

To complete the requirements for the Associate of Arts for this degree, a student must:

1. Complete the requirements for an associate degree (see requirements 1 through 6 (p. 49)).
2. Complete a minimum of eighteen (18) units with a "C" or better in each course in the following multidisciplinary program.
3. Complete elective units to meet the minimum 60 units required for the associate degree.

Major/Program Requirements

Required Courses:

A minimum of six (6) units must be taken from the following courses in at least two disciplines.

ART 100 or ART 100H	Art History I: Prehistoric Art to Medieval Art	3.00
ART 102 or ART 102H	Art History II: Renaissance Art to Contemporary Art	3.00
MUSIC 103 or MUSIC 103H	Appreciation of American Popular Music	3.00
MUSIC 120 or MUSIC 120H	Appreciation of Musical Literature	3.00
THART 100 or THART 100H	Introduction to Theatre	3.00

Students must complete at least (12) twelve additional units from the following courses in at least two disciplines:

Art

ART 100 or ART 100H	Art History I: Prehistoric Art to Medieval Art	3.00
ART 102 or ART 102H	Art History II: Renaissance Art to Contemporary Art	3.00
ART 105	History of Modern Art	3.00
ART 119	Digital Video Art	3.00
ART 120	Foundations of Two-Dimensional Design	3.00

ART 121	Foundations of Three-Dimensional Design	3.00
ART 124	Drawing I	3.00
ART 126	Painting I	3.00
ART 132	Life Drawing I	3.00
ART 175	Sculpture	3.00
ART 200	Printmaking	3.00
ART 204	Contemporary Topics in American Art	1.00
ART 226	Painting II	3.00
ART 232	Life Drawing II	3.00

Music

MUSIC 100	Fundamental Skills in Music	3.00
MUSIC 101	Music Theory I	4.00
MUSIC 102	Music Theory II	4.00
MUSIC 103 or MUSIC 103H	Appreciation of American Popular Music	3.00
MUSIC 120 or MUSIC 120H	Appreciation of Musical Literature	3.00
MUSIC 132	Guitar I	2.00
MUSIC 133	Guitar II	2.00
MUSIC 134	Jazz History	3.00
MUSIC 135	Piano I	2.00
MUSIC 136	Piano II	2.00
MUSIC 150X4	Concert Choir	1.00
MUSIC 164X4	Concert Band	2.00
MUSIC 174X4	Jazz Band	1.00
MUSIC 179X4	Contemporary Ensemble	2.00
MUSIC 180X4	Musical Theatre Workshop	2.00
MUSIC 190	Songwriting and Composition	3.00
MUSIC 195	Music Technology and Recording	4.00
MUSIC 201	Music Theory III	4.00
MUSIC 202	Music Theory IV	4.00
MUSIC 232	Guitar III	2.00
MUSIC 233	Guitar IV	2.00
MUSIC 235	Piano III	2.00
MUSIC 236	Piano IV	2.00

Theatre Arts

THART 100 or THART 100H	Introduction to Theatre	3.00
THART 108 or ENGL 108	World Drama I	3.00
THART 109 or ENGL 109	World Drama II	3.00
THART 110 or COMMST 110	Voice and Diction	3.00
THART 120	Beginning Acting	3.00
THART 124X2	Beginning Performance Workshop	3.00
THART 133	Audition Techniques	1.00
THART 134X4	Technical Theatre Workshop	1.00
THART 140X2	Intermediate Performance Workshop	3.00
THART 145	Advanced Theatre Practicum I	3.00
THART 150	Summer Theatre Workshop	3.00

DANCE 174x4 or THART 174X4	Dance Production Workshop	2.00
THART 176	Fundamentals of Stagecraft I	3.00
THART 179	Fundamentals of Stagecraft II	3.00
THART 205	Play Directing	3.00
THART 220	Intermediate Acting	3.00
THART 221	Advanced Acting	3.00
THART 226 or ENGL 226	Play and Screenplay Analysis	3.00
THART 245	Advanced Theatre Practicum II	3.00
THART 250	Advanced Summer Theatre Workshop	3.00

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at the university of their choice.

Associate of Arts Humanities Degree

The Associate of Arts degree in Humanities emphasizes the study of cultural, literary, humanistic and artistic expression within the context of the human experience. Students will evaluate and interpret the ways in which people in different cultures have responded to themselves and the world around them throughout history. This degree is multidisciplinary, preparing students to transfer into majors such as history, English, philosophy, religious studies and other areas in the humanities.

To complete the requirements for the Associate of Arts degree, a student must:

1. To Complete the requirements for an associate degree (see requirements 1 through 6 (p. 49)).
2. Complete a minimum of eighteen (18) units with a "C" or better in each course in the following multidisciplinary program.
3. Complete elective units to meet the minimum 60 units required for the associate degree.

Major/Program Requirements

Required Core Courses:

A minimum of three (3) three units must be taken from each of the following groups.

History and Civilization

HIST 170 or HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
HIST 171 or HIST 171H	World Civilizations (1500 CE to the Present)	3.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00

Philosophy and Religion

PHIL 101 or PHIL 101H	Introduction to Philosophy	3.00
PHIL 105 or PHIL 105H	Introduction to Ethics: Moral Values in Today's Society	3.00

RELIG 100 or RELIG 100H	Introduction to Religious Studies	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00
RELIG 110 or ANTHRO 110	Tribal and Ethnic Religions	3.00
RELIG 135 or HIST 135	Religion in America	3.00
RELIG 175 or ENGL 175	Literature and Religion of the Bible	3.00
RELIG 113	Introduction to Eastern Religions	3.00
RELIG 176	Jesus and His Interpreters	3.00
ENGL 150	Classical Mythology	3.00

Fine Arts

ART 105	History of Modern Art	3.00
ENGL 170	The Film Experience	3.00
HUM 140	Humanities Through the Arts	3.00
MUSIC 103 or MUSIC 103H	Appreciation of American Popular Music	3.00
MUSIC 120 or MUSIC 120H	Appreciation of Musical Literature	3.00
MUSIC 134	Jazz History	3.00
THART 100 or THART 100H	Introduction to Theatre	3.00

Literature

ENGL 155 or ENGL 155H	Children's Literature	3.00
ENGL 160	Literature by Women	3.00
ENGL 163	Chicano/Latino Literature	3.00
ENGL 250	Fiction	3.00
ENGL 260	Survey of American Literature I	3.00
ENGL 261	Survey of American Literature II	3.00
ENGL 270	Survey of British Literature I	3.00
ENGL 271	Survey of British Literature II	3.00
ENGL 275	Shakespeare	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World Literature from the 17th Century to the Present	3.00

One of the following:

ENGL 108 or THART 108	World Drama I	3.00
ENGL 109 or THART 109	World Drama II	3.00

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at the university of their choice.

Associate of Arts Liberal Studies - Teacher Preparation Degree

The Associate of Arts Liberal Studies-Teacher Preparation degree is designed for students intending to transfer to a four-year college or university with the goal of a career in teaching.

The courses in the degree satisfy CHC general education requirements for the associate degree, prepare students for the majority of their lower division courses in education, and fulfill the IGETC and CSU Breadth general education requirements and the courses needed for a degree in liberal studies at transfer institutions. Students should consult with a counselor for specific information regarding transfer coursework required at the university of their choice.

Major/Program Requirements

Required Courses:

CD 105	Child Growth and Development	3.00
CD 211	Observation and Methods in School-Age Development	3.00
	OR	
CD 212	Observation and Methods in Early Child Development	3.00
CD 295	Elementary Laboratory	3.00
EDU 290	Introduction to Education	3.00

Students must complete at least (6) six units from the following courses:

CD 182	Teaching in a Diverse Society	3.00
CD 244	Children with Special Needs	3.00
BUSAD 230 or CIS 101	Using Computers for Business	3.00

Required General Education Courses:

Students should complete the following courses to fulfill the general education requirements of the associate degree.

BIOL 100	General Biology	4.00
ENGL 101 or ENGL 101H	Freshman Composition	4.00
HEALTH 102	Biological Principles of Health	3.00
MATH 115	The Ideas of Mathematics	3.00
POLIT 100 or POLIT 100H	American Politics	3.00
CHEM 101	Introduction to Chemistry	4.00
	OR	
PHYSIC 100	Introduction to Physics	4.00

Students must complete at least (3) three additional units from the following courses:

HIST 100 or HIST 100H	History of the United States to 1877	3.00
HIST 101 or HIST 101H	History of the United States 1865 to Present	3.00

Students must complete at least (3) three additional units from the following courses:

ENGL 108 or THART 108	World Drama I	3.00
ENGL 109 or THART 109	World Drama II	3.00
ENGL 152 or ENGL 152H	Intermediate Composition and Literature	4.00
ENGL 155 or ENGL 155H	Children's Literature	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00

Students must complete at least (4) four additional units from the following courses:

ARABIC 102	College Arabic II	5.00
ARABIC 103	College Arabic III	5.00
ARABIC 104	College Arabic IV	5.00
ASL 102	American Sign Language II	4.00
ASL 103	American Sign Language III	4.00
ASL 104	American Sign Language IV	4.00
FRENCH 102	College French II	5.00
FRENCH 103	College French III	5.00
FRENCH 104	College French IV	5.00
JAPN 102	College Japanese II	5.00
JAPN 103	College Japanese III	5.00
JAPN 104	College Japanese IV	5.00
SPAN 102	College Spanish II	5.00
SPAN 103	College Spanish III	5.00
SPAN 104	College Spanish IV	5.00

Students must complete at least (3) three additional units from the following courses:

HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00
PHIL 101 or PHIL 101H	Introduction to Philosophy	3.00
PHIL 105 or PHIL 105H	Introduction to Ethics: Moral Values in Today's Society	3.00
RELIG 100 or RELIG 100H	Introduction to Religious Studies	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00

Students must complete at least (3) three additional units from the following courses:

ART 100 or ART 100H	Art History I: Prehistoric Art to Medieval Art	3.00
ART 102 or ART 102H	Art History II: Renaissance Art to Contemporary Art	3.00
MUSIC 120 or MUSIC 120H	Appreciation of Musical Literature	3.00
THART 100 or THART 100H	Introduction to Theatre	3.00

Students must complete at least (3) three additional units from the following courses:

COMMST 100 or COMMST 100H	Elements of Public Speaking	3.00
COMMST 111 or COMMST 111H	Interpersonal Communication	3.00
COMMST 140	Small Group Communication	3.00

Students must complete at least (3) three additional units from the following courses:

ENGL 102 or ENGL 102H	Intermediate Composition and Critical Thinking	4.00
COMMST 125 or COMMST 125H	Critical Thinking through Argumentation and Debate	3.00
PHIL 103	Introduction to Logic: Argument and Evidence	3.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

Associate of Arts Social Science Degree

The Associate of Arts degree Social Science emphasizes the study of social and behavioral sciences. Students will recognize, describe and analyze individual behaviors and social institutions that influence our world. This degree is multidisciplinary preparing students to transfer in majors such as psychology, sociology, political science, history, anthropology and religious studies.

To complete the requirements for the Associate of Arts for this degree, a student must:

1. Complete the requirements for an associate degree (see requirements 1 through 6 (p. 49)).
2. Complete a minimum of eighteen (18) units with a "C" or better in each course in the following multidisciplinary program.
3. Complete elective units to meet the minimum 60 units required for the associate degree.

Major/Program Requirements

A minimum of (3) three units must be taken from each of the following groups:

Required Courses:

History and Culture

ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
GEOG 102 or GEOG 102H	Cultural Geography	3.00
GEOG 120	World Regional Geography	3.00
HIST 100 or HIST 100H	History of the United States to 1877	3.00
HIST 101 or HIST 101H	History of the United States 1865 to Present	3.00
HIST 170 or HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00

HIST 171 or HIST 171H	World Civilizations (1500 CE to the Present)	3.00
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Political and Social Institutions

ECON 100	Introduction to Economics	3.00
ECON 200 or ECON 200H	Principles of Macroeconomics	3.00
ECON 201 or ECON 201H	Principles of Microeconomics	3.00
POLIT 100 or POLIT 100H	American Politics	3.00
POLIT 102	California Politics and Culture	3.00
POLIT 104	Introduction to Comparative Politics	3.00
POLIT 106	Introduction to World Politics	3.00
POLIT 110	Introduction to Political Theory	3.00

Philosophy and Religion

PHIL 101 or PHIL 101H	Introduction to Philosophy	3.00
PHIL 105 or PHIL 105H	Introduction to Ethics: Moral Values in Today's Society	3.00
RELIG 100 or RELIG 100H	Introduction to Religious Studies	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00
RELIG 110 or ANTHRO 110	Tribal and Ethnic Religions	3.00
RELIG 135 or HIST 135	Religion in America	3.00
RELIG 113	Introduction to Eastern Religions	3.00
RELIG 176	Jesus and His Interpreters	3.00

Behavioral Science

CD 105	Child Growth and Development	3.00
CD 126	Child, Family and Community	3.00
PSYCH 100 or PSYCH 100H	General Psychology	3.00
PSYCH 102	Personal and Social Adjustment	3.00
PSYCH 103	Theories of Personality	3.00
PSYCH 110	Abnormal Psychology	3.00
PSYCH 111	Developmental Psychology: Lifespan	3.00
PSYCH 118	Human Sexual Behavior	3.00
SOC 100 or SOC 100H	Introduction to Sociology	3.00
SOC 105	Social Problems	3.00
SOC 130	Marriage, Family and Intimate Relationships	3.00
SOC 141	Minority Relations	3.00
SOC 150	Gerontology	3.00

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at the university of their choice.

Associate of Science Environmental Science Degree

The Associate of Science degree in Environmental Science provides students with the basic content required for students majoring in Environmental Sciences, with emphasis in the fields of biology and the geosciences. The study of the environment provides the general knowledge necessary to understand our role on our planet.

To complete the requirements for the Associate of Science degree, a student must:

1. Complete the requirements for an associate degree (see requirements 1 through 6 (p. 49)).
2. Complete a minimum of (18) eighteen units with a "C" or better in each course in the following multidisciplinary program.
3. Complete elective units to meet the minimum 60 units required for the associate degree.

Major/Program Requirements

Required Courses

One of the following:

BIOL 100	General Biology	4.00
BIOL 130 or BIOL 130H	Cell and Molecular Biology	4.00

One of the following:

CHEM 101	Introduction to Chemistry	4.00
CHEM 150 or CHEM 150H	General Chemistry I	5.00

One of the following sequences:

GEOL 100 or GEOL 100H	Physical Geology	4.00
	OR	
GEOL 101 or GEOL 101H	Introduction to Geology	3.00
	AND	
GEOL 160	Geology Laboratory	1.00

In addition to the required coursework, each student must choose an emphasis and take at least (12) twelve units from one of the following areas:

Emphasis in Biological Sciences

BIOL 123	Ecology and Environment	3.00
BIOL 131 or BIOL 131H	Populations and Organisms	4.00
CHEM 151 or CHEM 151H	General Chemistry II	5.00
CHEM 213	Organic Chemistry II	4.00
CHEM 102	Introduction to Organic Chemistry	4.00
	OR	
CHEM 212	Organic Chemistry I	4.00

Emphasis in Geoscience Studies

GEOG 110 or GEOG 110H	Physical Geography	3.00
GEOG 111 or GEOG 111H	Physical Geography Laboratory	1.00
GEOG 126	Geography of California	3.00
GEOL 150 or GEOL 150H	Contemporary Geology: Hazards, Resources and Environmental Concerns	3.00
GEOL 170	Geologic History of the Great Basin	1.00
GEOL 175	Geology of the Eastern Mojave Desert	1.00
GEOL 177	Geology of the High Desert and Western Mojave Desert Region	1.00
GEOL 180	Geology of Joshua Tree National Park	1.00
GEOL 181	Geology of the Anza Borrego Region	1.00
GEOL 190	Geology of the Eastern Sierra Nevada, Northern Section	1.00
GEOL 250	Geology of California	3.00
GEOL 270	Geology of the Eastern Sierra Nevada	1.00
ANTHRO 106 or ANTHRO 106H	Biological Anthropology	3.00
CHEM 151 or CHEM 151H	General Chemistry II	5.00
PHYSIC 100	Introduction to Physics	4.00
	OR	
PHYSIC 110	General Physics I	4.00
PHYSIC 250	College Physics I	4.00

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at the university of their choice.

Associate of Science Multiple Sciences Degree

The Associate of Science Multiple Sciences degree emphasizes the role of science, scientific inquiry and technology in our world. Students will apply a problem solving strategy such as the scientific method or other systematic process of inquiry and recognize the contributions of science and technology in our world. This degree is multidisciplinary, giving students the knowledge and experience in both the physical and biological sciences.

To complete the requirements for the Associate of Science degree, a student must:

1. Complete the requirements for an associate degree (see requirements 1 through 6 (p. 49)).
2. Complete a minimum of eighteen (18) semester units with a "C" or better in each course in the following multidisciplinary program.
3. Complete elective units to meet the minimum 60 total units required for the associate degree.

Major/Program Requirements

Required Courses:

A minimum of six (6) six units must be taken from two of the following three groups:

Physical Sciences

ASTRON 150 or ASTRON 150H	Introduction to Astronomy	3.00
ASTRON 160	Astronomy Laboratory	1.00
CHEM 101	Introduction to Chemistry	4.00
CHEM 102	Introduction to Organic Chemistry	4.00
CHEM 123	Chemistry for Everyone	3.00
CHEM 150 or CHEM 150H	General Chemistry I	5.00
CHEM 151 or CHEM 151H	General Chemistry II	5.00
CHEM 212	Organic Chemistry I	4.00
CHEM 213	Organic Chemistry II	4.00
ENGR 101	Introduction to Engineering	3.00
PHYSIC 100	Introduction to Physics	4.00
PHYSIC 110	General Physics I	4.00
PHYSIC 111	General Physics II	4.00
PHYSIC 250	College Physics I	4.00
PHYSIC 251	College Physics II	4.00
PHYSIC 252	College Physics III	4.00

Earth Sciences

GEOL 100 or GEOL 100H	Physical Geology	4.00
GEOL 101 or GEOL 101H	Introduction to Geology	3.00
GEOL 112	Historical Geology	4.00
GEOL 113	Earth and Life History	3.00
GEOL 150 or GEOL 150H	Contemporary Geology: Hazards, Resources and Environmental Concerns	3.00
GEOL 160	Geology Laboratory	1.00
GEOL 170	Geologic History of the Great Basin	1.00
GEOL 175	Geology of the Eastern Mojave Desert	1.00
GEOL 177	Geology of the High Desert and Western Mojave Desert Region	1.00
GEOL 180	Geology of Joshua Tree National Park	1.00
GEOL 181	Geology of the Anza Borrego Region	1.00
GEOL 190	Geology of the Eastern Sierra Nevada, Northern Section	1.00
GEOL 250	Geology of California	3.00
GEOL 270	Geology of the Eastern Sierra Nevada	1.00
GEOG 110 or GEOG 110H	Physical Geography	3.00
GEOG 111 or GEOG 111H	Physical Geography Laboratory	1.00
GEOG 126	Geography of California	3.00
OCEAN 100	Investigations in Oceanography	4.00
OCEAN 101 or OCEAN 101H	Elements of Oceanography	3.00

Biological Sciences

ANAT 101	Essentials of Human Anatomy and Physiology	4.00
ANAT 150	Human Anatomy and Physiology I	4.00
ANAT 151	Human Anatomy and Physiology II	4.00
ANTHRO 106 or ANTHRO 106H	Biological Anthropology	3.00
BIOL 100	General Biology	4.00
BIOL 123	Ecology and Environment	3.00
BIOL 130 or BIOL 130H	Cell and Molecular Biology	4.00
BIOL 131 or BIOL 131H	Populations and Organisms	4.00
HEALTH 263 or HEALTH 263H	Nutrition and Health	3.00
MICRO 102	Introductory Microbiology	4.00
MICRO 150	Medical Microbiology	5.00

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at the university of their choice.

Associate of Science Health Sciences Degree

The Associate of Science degree in Health Sciences allows students to explore many aspects of science and health-related issues. This degree prepares students for health care professional programs including nursing, dental hygiene and other health professional programs.

To complete the requirements for the Associate of Science for this degree, a student must:

1. Complete the requirements for an associate degree (see requirements 1 through 6 (p. 49)).
2. Complete a minimum of eighteen (18) units with a "C" or better in each course in the following multidisciplinary degree.
3. Complete enough elective units to meet the minimum 60 units required for the associate degree.

Major/Program Requirements

Required Core Courses

ANAT 150	Human Anatomy and Physiology I	4.00
ANAT 151	Human Anatomy and Physiology II	4.00
ENGL 101 or ENGL 101H	Freshman Composition	4.00
MICRO 150	Medical Microbiology	5.00
	AND	

One of the following:

COMMST 100 or COMMST 100H	Elements of Public Speaking	3.00
COMMST 111 or COMMST 111H	Interpersonal Communication	3.00
	AND	

One of the following:

ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
SOC 100 or SOC 100H	Introduction to Sociology	3.00
	AND	

One of the following:

PSYCH 100 or PSYCH 100H	General Psychology	3.00
PSYCH 111	Developmental Psychology: Lifespan	3.00
	AND	

One of the following sets:

CHEM 101	Introduction to Chemistry	4.00
	OR	
CHEM 150 or CHEM 150H	General Chemistry I	5.00
	AND	
CHEM 151 or CHEM 151H	General Chemistry II	5.00

This major sequence includes prerequisite courses common to many nursing, dental hygiene and other health professional programs. However, admissions requirements do vary from program to program. Prospective students should consult a counselor or the program to which they are applying for specific admissions requirements.

Transfer Options

General Information

Each four-year college or university has its own admissions standards. In addition, each determines which courses will be accepted to satisfy general education, major or elective requirements. Further, these requirements are subject to periodic change.

Students who plan to transfer to a four-year college or university are encouraged to visit The University Transfer Center or meet with a counselor to discuss appropriate courses to complete at Crafton Hills College prior to transfer.

Completing A Transfer Path

The freshman and sophomore years of a college or university program may be completed at Crafton Hills College. Transfer students may choose one of four systems:

- California State University System (23 campuses)
- University of California System (9 campuses)
- Private or Independent Colleges and Universities
- Out-of-State Colleges and Universities

In order to transfer to the college or university of your choice, it is necessary to take courses in the following areas:

1. General Education or Breadth Requirements

Regardless of major, general education requirements are determined by the college or university the transfer student has chosen. Listed below

are plans for transfer to the California State University System and the University of California System, and some information about transferring to private or out-of-state institutions.

A. California State University (CSU) General Education Breadth

This plan applies to all 23 CSU campuses. In order to receive full certification and not be held to additional courses at the transfer university, students must complete at least 39 units of general education in specific areas. Areas A1, A2, A3 and B4 must be completed with a "C" or better grade prior to transfer.

Partial certification is also available. Please consult with a counselor.

"CSUGE Breadth for STEM" is only approved for the Associate in Science in Chemistry for Transfer Degree and the Associate in Science in Biology for Transfer Degree. This pattern allows students to defer completion of one course from CSUGE Area C and one course from CSUGE Area D until after transfer. Students earning the AS-T in Chemistry or Biology with this pattern must complete the following before transfer:

- All required courses in Areas A, B, and E
- One course in Area C1, Arts;
- One course in Area C2, Humanities
- Two courses in Area D, Social Sciences, from two different academic disciplines

B. Intersegmental General Education Transfer Curriculum (IGETC) Breadth

This plan applies to both the CSU and UC campuses. However, some schools and majors within the UC system **DO NOT** accept the IGETC plan.

Also, students in Engineering, Science, Math or other high-unit majors are advised **not** to use IGETC. See a counselor for more information. A **minimum** of 37 units of General Education with **at least** a "C" in each course is required to complete the IGETC breadth.

"SIGETC," IGETC for STEM is only approved for the Associate in Science in Chemistry for Transfer Degree and the Associate in Science in Biology for Transfer Degree. This pattern allows students to defer completion of one course from IGETC Area 3, one course from IGETC Area 4, and one course in Area 6 (Language Other Than English/LOTE -- for students who have not previously satisfied LOTE through proficiency) until after transfer. Students earning the AS-T in Chemistry or Biology with this pattern must complete the following before transfer:

- All required courses in Areas 1, 2, and 5
- One course from Area 3A, Arts
- One course from Area 3B, Humanities;
- Two courses in Area 4, Social and Behavioral Sciences, from two different academic disciplines

This certification is only accepted by UC if the UC major program or college to which you are applying accepts partial IGETC certification.

C. Private or Out-of-State Colleges General Education Requirements

The University Transfer Center (UTC) has specific transfer requirements for several Private and Out-of-State Colleges, including Loma Linda, Biola University, California Lutheran College, University

of Redlands and the University of Southern California (USC). Some schools allow the use of the Intersegmental General Education Transfer Curriculum (IGETC) and/or the California State University General Education Requirements (CSUGE) to meet lower division General Education requirements. Check with the UTC or a counselor for details.

2. Lower Division Courses for a Major

These are generally freshmen and sophomore level courses in your major to provide the background and preparation needed to enter a college or university at the junior level. Crafton Hills College has articulated lower division major requirements with CSU San Bernardino, UC Riverside and many other CSU and UC schools. This information is available at www.assist.org. See a counselor for assistance.

3. Electives

These are courses of choice that are taken to fill in the areas not covered by general education or major requirements. Students must take enough "elective" courses to meet the minimum number of units required for transfer. All CSU and UC campuses require a minimum of sixty (60) transferable units in order to be eligible to transfer "as a junior." Private and Out-of-State schools vary widely regarding the number of units required for transfer.

4. Acceptable Grade Point Average

The CSU system requires **at least** a 2.0 GPA, while the UC system requires **at least** a 2.4 GPA to apply. However, these figures are minimum GPA requirements! Many colleges and universities and impacted majors within some colleges expect higher grade point averages for admission. Non-residents of California must have **at least** a 2.8 GPA to apply to a UC. Again, private and Out-of-State schools vary regarding the minimum GPA admission for transfer.

California State University (CSU)

If you complete college units after the summer following graduation from high school, you are considered a transfer student. Transfer students are required to have the following completed prior to transfer:

Minimum Admission Requirements

These are simply minimum requirements, most campuses require a higher GPA and specific preparation in your major to be competitive applicants. Having a Student Educational Plan by a counselor will help you stay on track towards meeting transfer.

- 60 CSU Transferrable Units
 - From the 60 units, 30 units must be selected from general education courses.
 - Also, from the 60 units, you must complete the following 4 courses with a "C" or better
 - Oral Communication
 - English Composition
 - Critical Thinking
 - Quantitative Reasoning (College-level Math)
- Overall minimum 2.0 GPA
- Be in good standing (eligible to re-enroll) at all colleges or universities previously attended

Refer to the appendix for the current California State University (CSU) General ED Requirements.

A Degree With A Guarantee - Associate Degrees for Transfer (AA-T or AS-T)

Getting a transfer degree (AA-T or AS-T) makes it easy to transfer from Crafton Hills College to the CSU System.

The benefits of earning a transfer degree include:

- Know exactly what courses to take
- Earn an Associate degree
- Guaranteed admission to a CSU campus with a similar major
- Early admission decision
- Take only 60 units after transfer to get earn BA or BS

For more information, refer to the Associate Degree for Transfer section or visit www.adegreewithaguarantee.com

How To Apply

Most CSU campuses admit students during each Fall term only. A few campuses admit year-round. The University Transfer Center offers assistance with completing and submitting your application.

Submit your application at www.csumentor.edu during the following timelines:

- October 1 – November 30 to start Fall term at CSU
- June 1 – June 30 to start Winter term
- August 1 – August 31 to start Spring term

CSU Application Help Desk Contact

Email: support@csumentor.edu

Call: 800.468.6927 or 424.750.3939

CSU Campus Map

Refer to the appendix for the current CSU campus map.

University of California (UC)

The University of California has nine campus; Berkeley, Davis, Irvine, Los Angeles, Merced, Riverside, San Diego, Santa Barbara, and Santa Cruz. All except Berkeley and Merced are on a quarter system.

Minimum Admission Requirements

Transfer students are required to have the following completed prior to transfer:

- 60 UC transferrable units
 - Complete the seven course pattern with a "C" or better
 - English Composition
 - Critical Thinking (English 102 or 102H)
 - Quantitative Reasoning (College-level Math)
 - Four (4) transferrable courses chosen from at least two of the following subject areas: Arts & Humanities, Social &

Behavioral Sciences, Physical & Biological Sciences as approved on www.assist.org

- Overall minimum 2.4 GPA (2.8 GPA for non-residents)
- Be in good standing (eligible to re-enroll) at all colleges or universities previously attended

These are simply minimum requirements, most campuses require a higher GPA and specific preparation in your major to be competitive applicants. Having a Student Educational Plan by a counselor will help you stay on track towards meeting transfer.

IGETC for Transfer

Refer to the appendix for the current IGETC Requirements.

UC Transfer Admission Guarantee (TAG)

Six UC campuses offer guaranteed admission to California community college students who meet specific requirements - (UC Davis, UC Irvine, UC Merced, UC Riverside, UC Santa Barbara, and UC Santa Cruz).

By participating in a Transfer Admission Guarantee (TAG) program, you will receive early review of your academic records, early admission notification and specific guidance about major preparation and general education coursework.

Students seeking a Transfer Admission Guarantee (TAG) with one of the six participating campuses must satisfactorily complete UC and campus-specific transfer admission requirements to be eligible for a TAG.

TAG Application Filing Period

- Apply September 1-30 of the previous year for Fall transfer at UC
- Apply May 1-31 for Spring transfer at UC Merced only

To apply for TAG, you must create an account at <https://uctap.universityofcalifornia.edu/> and refer to the TAG section of the planner for specific campus TAG Requirements.

How To Apply

Most UC campuses admit students during each Fall term only. UC Merced sometimes opens admission for Spring term. The University Transfer Center offers assistance with submitting your application and the personal statement.

Submit your application at <http://admission.universityofcalifornia.edu/> during the following timelines:

- August 1 – November 30 to start Fall term at UC
- July 1 - 31 to start Spring term (UC Merced only)

UC Application Help Desk Contact

If students have a question about the application process, call the application center at 800.207.1710 (within the U.S.) or 310.513.2715 (outside the U.S.) during normal business hours, or e-mail ucinfo@applyucsupport.net.

UC Campus Map

Refer to the appendix for the current UC campus map.

Private or Independent Colleges and Universities

Each campus has unique transfer admission requirements independent of the other. It is important that you check with the admission office of each campus you are considering.

In general, Private universities accept students with less than 60 units – usually about 24 or 30 transferrable units is generally the minimum. As for GPA, this also varies widely but at the very least, a student should have a minimum 2.0 GPA. We highly recommend that you complete English Composition (English 101 or 101H) and Intermediate Algebra (Math 095) prior to transfer.

Here are helpful websites to help you with transfer to a Private university:

- The Articulation Agreements page the University Transfer Center Website
- The Association of Independent California Colleges
- California Colleges Matching Assistant and Profiles

How To Apply

Each campus has different application timelines. Please refer to the admission page of the campus you are considering to find out when to apply.

Out-of-State Colleges and Universities

Each campus has unique transfer admission requirements independent of the other. It is important that you check with the admission office of each campus you are considering.

In general, out-of-state universities accept students with less than 60 units – usually about 24 or 30 transferrable units is generally the minimum. As for GPA, this also varies widely but at the very least, a student should have a minimum 2.0 GPA. We highly recommend that you complete English Composition (English 101 or 101H) and Intermediate Algebra (Math 095) prior to transfer.

Transfer out-of-state generally means out-of-state tuition which is often at least double that of state residents. Ask the admission representative about any programs available to you that may help reduce the cost of attendance. For example, is this campus part of the www.wiche.edu/wue program which offers a reduced tuition to California residents?

Here are other helpful websites:

- The Articulation Agreements page the University Transfer Center Website
- The College Navigator to help you research out-of-state universities
- The Common Application is one application to over 500 universities, including international.

Remember, The University Transfer Center is here to help you. Stop by to see us so that we can help you transfer.

How To Apply

Each campus has different application timelines. Please refer to the admission page of the campus you are considering to find out when and how to apply.

You may be directed to the Common Application, one application to over 500 universities including international. Come to The University Transfer Center for assistance with the Common Application.

A.A.-T and A.S.-T Degree General Information

California Community Colleges now offer associate degrees for transfer, designed to provide students a clear pathway to a baccalaureate degree at California State University. The Student Transfer Achievement Reform Act (Senate Bill 1440), now codified in California Education Code sections 664746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an Associate in Arts for transfer (AA-T) or the Associate in Science for Transfer (AS-T) degree. These degrees are intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students who are awarded an AA-T or AS-T degree are guaranteed admission with junior standing at an institution in the CSU system; given priority admission consideration to their local CSU campus or to a program that is deemed similar to their community college major; and will be required to complete no more than 60 semester or 90 quarter units to earn a baccalaureate degree (unless the major is a designated "high-unit" major).

This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

The following are required for all AA-T and AS-T degrees:

1. Completion of 60 CSU-transferable semester units.
2. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. (While a minimum of 2.0 is required for admission, some majors may require a higher GPA. Please consult with a counselor for more information.)
3. Completion of a minimum of 18 semester units with a "C" or better in all courses required as a part of a AA-T or AS-T major as identified by the college catalog. (Title 5-55063)
4. Certified completion of the California State University General Education-Breadth pattern (CSU GE Breadth) OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern general education requirements. (See pages to follow in the catalog for more information.) For additional information, visit www.adegreewithaguarantee.com

Associate in Arts-Transfer Degrees

1. Completion of the requirements for an associate degree for transfer (see requirements 1 through 4 above).
2. Completion of a minimum of eighteen (18) units with at least a "C" or better in each course in one of the following associate degree for transfer programs. (Refer to the particular discipline for course descriptions and requirements for each major.)

Associate in Arts in Anthropology for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Anthropology at Crafton Hills College is designed to meet the needs of students transferring to a California State University or University of California who intend to major in Anthropology or a related field of study. Students earning this degree will be able to utilize anthropological theories and research methods to make the unfamiliar familiar and make the familiar unfamiliar; apply archeological and anthropological research methods and explain which would be appropriate in this investigation; identify the components of culture and explain their application to the interpersonal and

organizational experience of a given case study; and define ethnocentrism and appraise its role in maintaining social solidarity and its impact on tolerance, pluralism and diversity.

Major/Program Requirements

Required Courses:

ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
ANTHRO 106 or ANTHRO 106H	Biological Anthropology	3.00
ANTHRO 100	Introduction to Archaeology	3.00
MATH 110	Introduction to Probability and Statistics	4.00
	OR	
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00

Students must complete at least three (3) units from the following list:

GEOL 100 or GEOL 100H	Physical Geology	4.00
PSYCH 101	Research Methods	3.00

Students may substitute GEOL 101 and GEOL 160 in lieu of GEOL 100. See a counselor for details. Students may substitute GEOL 101H and GEOL 160 in lieu of GEOL 100H. See a counselor for details.

Students must complete at least three (3) additional units from the following list:

ANTHRO 110 or RELIG 110	Tribal and Ethnic Religions	3.00
ANTHRO 107 or HIST 107	The United States and the North American Indians	3.00
COMMST 174	Communication in a Diverse World	3.00
GEOG 102 or GEOG 102H	Cultural Geography	3.00
GEOG 120	World Regional Geography	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00
SOC 100 or SOC 100H	Introduction to Sociology	3.00
SOC 141	Minority Relations	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Associate in Arts in Art History for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Art History at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Art, Art History or a related field of study.

Major/Program Requirements

Required Courses:

ART 100 or ART 100H	Art History I: Prehistoric Art to Medieval Art	3.00
ART 102 or ART 102H	Art History II: Renaissance Art to Contemporary Art	3.00
ART 113	Survey of Asian Art	3.00
ART 124	Drawing I	3.00

Students must complete at least three (3) units from the following list:

ART 120	Foundations of Two-Dimensional Design	3.00
ART 121	Foundations of Three-Dimensional Design	3.00
ART 126	Painting I	3.00
ART 132	Life Drawing I	3.00
ART 175	Sculpture	3.00
ART 200	Printmaking	3.00

Students must complete at least three (3) additional units from the following list:

ART 105	History of Modern Art	3.00
ART 120	Foundations of Two-Dimensional Design	3.00
ART 121	Foundations of Three-Dimensional Design	3.00
ART 126	Painting I	3.00
ART 132	Life Drawing I	3.00
ART 175	Sculpture	3.00
ART 200	Printmaking	3.00
ANTHRO 100	Introduction to Archaeology	3.00
ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
ARABIC 101	College Arabic I	5.00
ARABIC 102	College Arabic II	5.00
ARABIC 103	College Arabic III	5.00
ARABIC 104	College Arabic IV	5.00
ENGL 150	Classical Mythology	3.00
ENGL 160	Literature by Women	3.00
ENGL 163	Chicano/Latino Literature	3.00
ENGL 170	The Film Experience	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00
FRENCH 101	College French I	5.00
FRENCH 102	College French II	5.00
FRENCH 103	College French III	5.00
FRENCH 104	College French IV	5.00
HIST 170 or HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
HIST 171 or HIST 171H	World Civilizations (1500 CE to the Present)	3.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00
HUM 140	Humanities Through the Arts	3.00
JAPN 101	College Japanese I	5.00

JAPN 102	College Japanese II	5.00
JAPN 103	College Japanese III	5.00
JAPN 104	College Japanese IV	5.00
PHIL 101 or PHIL 101H	Introduction to Philosophy	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00
RELIG 113	Introduction to Eastern Religions	3.00
SPAN 101	College Spanish I	5.00
SPAN 102	College Spanish II	5.00
SPAN 103	College Spanish III	5.00
SPAN 104	College Spanish IV	5.00
SPAN 157	Spanish for Spanish Speakers I	5.00
SPAN 158	Spanish for Spanish Speakers II	5.00

Major/Program Requirements

Required Courses:

ART 100 or ART 100H	Art History I: Prehistoric Art to Medieval Art	3.00
	OR	
ART 100H or ART 100	Art History I: Prehistoric Art to Medieval Art-Honors	3.00
ART 102 or ART 102H	Art History II: Renaissance Art to Contemporary Art	3.00
	OR	
ART 102H or ART 102	Art History II: Renaissance Art to Contemporary Art-Honors	3.00
ART 113	Survey of Asian Art	3.00
ART 124	Drawing I	3.00

Students must complete at least three (3) units from the following list:

ART 120	Foundations of Two-Dimensional Design	3.00
ART 121	Foundations of Three-Dimensional Design	3.00
ART 126	Painting I	3.00
ART 132	Life Drawing I	3.00
ART 175	Sculpture	3.00
ART 200	Printmaking	3.00

Students must complete at least three (3) additional units from the following list:

ART 105	History of Modern Art	3.00
ART 120	Foundations of Two-Dimensional Design	3.00
ART 121	Foundations of Three-Dimensional Design	3.00
ART 126	Painting I	3.00
ART 132	Life Drawing I	3.00
ART 175	Sculpture	3.00
ART 200	Printmaking	3.00
ANTHRO 100	Introduction to Archaeology	3.00
ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00

	OR	
ANTHRO 102H or ANTHRO 102	Cultural Anthropology-Honors	3.00
ARABIC 101	College Arabic I	5.00
ARABIC 102	College Arabic II	5.00
ARABIC 103	College Arabic III	5.00
ARABIC 104	College Arabic IV	5.00
ENGL 150	Classical Mythology	3.00
ENGL 160	Literature by Women	3.00
ENGL 163	Chicano/Latino Literature	3.00
ENGL 170	The Film Experience	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00
FRENCH 101	College French I	5.00
FRENCH 102	College French II	5.00
FRENCH 103	College French III	5.00
FRENCH 104	College French IV	5.00
HIST 170 or HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
	OR	
HIST 170H or HIST 170	World Civilizations (3500 BCE-1500 CE) - Honors	3.00
HIST 171 or HIST 171H	World Civilizations (1500 CE to the Present)	3.00
	OR	
HIST 171H or HIST 171	World Civilizations (1500 CE to the Present) - Honors	3.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00
HUM 140	Humanities Through the Arts	3.00
JAPN 101	College Japanese I	5.00
JAPN 102	College Japanese II	5.00
JAPN 103	College Japanese III	5.00
JAPN 104	College Japanese IV	5.00
PHIL 101 or PHIL 101H	Introduction to Philosophy	3.00
	OR	
PHIL 101H or PHIL 101	Introduction to Philosophy-Honors	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00
	OR	
RELIG 101H or RELIG 101	Introduction to World Religions-Honors	3.00

RELIG 113	Introduction to Eastern Religions	3.00
SPAN 101	College Spanish I	5.00
SPAN 102	College Spanish II	5.00
SPAN 103	College Spanish III	5.00
SPAN 104	College Spanish IV	5.00
SPAN 157	Spanish for Spanish Speakers I	5.00
SPAN 158	Spanish for Spanish Speakers II	5.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Associate in Arts in Communication Studies for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Communication Studies at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in a communication-related field of study.

Major/Program Requirements

Required Courses:

COMMST 100 or COMMST 100H	Elements of Public Speaking	3.00
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Students must complete at least six (6) units from the following courses:

COMMST 111 or COMMST 111H	Interpersonal Communication	3.00
COMMST 125 or COMMST 125H	Critical Thinking through Argumentation and Debate	3.00
COMMST 140	Small Group Communication	3.00

Students must complete at least six (6) additional units from the following courses:

COMMST 111 or COMMST 111H	Interpersonal Communication	3.00
COMMST 120 or COMMST 120H	Oral Interpretation of Literature	3.00
COMMST 125 or COMMST 125H	Critical Thinking through Argumentation and Debate	3.00
COMMST 135 or JOUR 135	Mass Communication in Society	3.00
COMMST 140	Small Group Communication	3.00
COMMST 174	Communication in a Diverse World	3.00

Students must complete at least three (3) additional units from the following courses:

ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
COMMST 120 or COMMST 120H	Oral Interpretation of Literature	3.00
COMMST 135 or JOUR 135	Mass Communication in Society	3.00
COMMST 174	Communication in a Diverse World	3.00
ENGL 120 or JOUR 120	Fundamentals of News Writing	3.00

PSYCH 100 or PSYCH 100H	General Psychology	3.00
SOC 100 or SOC 100H	Introduction to Sociology	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Associate in Arts in Economics for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Economics at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Economics or a related field of study.

Major/Program Requirements

Required Courses:

ECON 200 or ECON 200H	Principles of Macroeconomics	3.00
ECON 201 or ECON 201H	Principles of Microeconomics	3.00
MATH 110	Introduction to Probability and Statistics	4.00
	OR	
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00
MATH 250	Single Variable Calculus I	4.00
	OR	
MATH 141	Calculus for Business	4.00

Students must complete at least three (3) additional units from the following courses:

MATH 102	College Algebra	4.00
MATH 160	Precalculus	4.00
MATH 251	Single Variable Calculus II	4.00
ACCT 208	Introduction to Financial Accounting	4.00
ACCT 209	Introduction to Managerial Accounting	4.00
CIS 101 or BUSAD 230	Introduction to Computer and Information Technology	3.00
BUSAD 145 or COMMST 145	Business Communication	4.00

Students must complete at least an additional three (3) units from the following courses:

MATH 102	College Algebra	4.00
MATH 160	Precalculus	4.00
MATH 251	Single Variable Calculus II	4.00
MATH 252	Multivariable Calculus	5.00
MATH 265	Linear Algebra	4.00
ACCT 208	Introduction to Financial Accounting	4.00
ACCT 209	Introduction to Managerial Accounting	4.00
CIS 101 or BUSAD 230	Introduction to Computer and Information Technology	3.00

BUSAD 145 or COMMST 145	Business Communication	4.00
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Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Associate in Arts in Elementary Teacher Education for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Elementary Teacher Education at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in liberal studies or a related field of study.

Major/Program Requirements

Required Courses:

CD 105	Child Growth and Development	3.00
CD 295	Elementary Laboratory	3.00
EDU 290	Introduction to Education	3.00

Required General Education Courses:

ENGL 101 or ENGL 101H	Freshman Composition	4.00
COMMST 100 or COMMST 100H	Elements of Public Speaking	3.00
BIOL 100	General Biology	4.00
CHEM 101	Introduction to Chemistry	4.00
PHYSIC 100	Introduction to Physics	4.00
ENGL 152 or ENGL 152H	Intermediate Composition and Literature	4.00
HIST 100 or HIST 100H	History of the United States to 1877	3.00
HIST 170 or HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
GEOG 120	World Regional Geography	3.00
POLIT 100 or POLIT 100H	American Politics	3.00

Students must complete at least three (3) units from the following courses:

COMMST 125 or COMMST 125H	Critical Thinking through Argumentation and Debate	3.00
ENGL 102 or ENGL 102H	Intermediate Composition and Critical Thinking	4.00

Students must also complete the following seven (7) units:

GEOL 140	Earth Science	3.00
GEOL 141	Earth Science Laboratory	1.00
MATH 106	Mathematical Concepts for Elementary School Teachers - Number Systems	3.00

Students must complete at least three (3) additional units from the following courses:

MUSIC 120 or MUSIC 120H	Appreciation of Musical Literature	3.00
THART 100 or THART 100H	Introduction to Theatre	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Associate in Arts in English for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in English at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in English, English literature, creative writing or a related field of study.

Major/Program Requirements

Required Courses:

ENGL 102 or ENGL 102H	Intermediate Composition and Critical Thinking	4.00
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Students must complete at least six (6) units from the following courses:

ENGL 260	Survey of American Literature I	3.00
ENGL 261	Survey of American Literature II	3.00
ENGL 270	Survey of British Literature I	3.00
ENGL 271	Survey of British Literature II	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00

Students must complete at least six (6) additional units from the following courses:

ENGL 152 or ENGL 152H	Intermediate Composition and Literature	4.00
ENGL 232	Creative Writing	3.00
ENGL 260	Survey of American Literature I	3.00
ENGL 261	Survey of American Literature II	3.00
ENGL 270	Survey of British Literature I	3.00
ENGL 271	Survey of British Literature II	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00

Students must complete at least three (3) additional units from the following courses:

ENGL 108 or THART 108	World Drama I	3.00
ENGL 109 or THART 109	World Drama II	3.00
ENGL 120 or JOUR 120	Fundamentals of News Writing	3.00
ENGL 127	Introductory Literary Magazine Production: The Sand Canyon Review	3.00
ENGL 150	Classical Mythology	3.00
ENGL 152 or ENGL 152H	Intermediate Composition and Literature	4.00
ENGL 155 or ENGL 155H	Children's Literature	3.00
ENGL 160	Literature by Women	3.00
ENGL 163	Chicano/Latino Literature	3.00

ENGL 170	The Film Experience	3.00
ENGL 175 or RELIG 175	Literature and Religion of the Bible	3.00
ENGL 226 or THART 226	Play and Screenplay Analysis	3.00
ENGL 232	Creative Writing	3.00
ENGL 250	Fiction	3.00
ENGL 260	Survey of American Literature I	3.00
ENGL 261	Survey of American Literature II	3.00
ENGL 270	Survey of British Literature I	3.00
ENGL 271	Survey of British Literature II	3.00
ENGL 275	Shakespeare	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00
ARABIC 101	College Arabic I	5.00
ARABIC 102	College Arabic II	5.00
ARABIC 103	College Arabic III	5.00
ARABIC 104	College Arabic IV	5.00
COMMST 120 or COMMST 120H	Oral Interpretation of Literature	3.00
COMMST 145 or BUSAD 145	Business Communication	4.00
FRENCH 101	College French I	5.00
FRENCH 102	College French II	5.00
FRENCH 103	College French III	5.00
FRENCH 104	College French IV	5.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00
JAPN 101	College Japanese I	5.00
JAPN 102	College Japanese II	5.00
JAPN 103	College Japanese III	5.00
JAPN 104	College Japanese IV	5.00
RUS 101	College Russian I	5.00
RUS 102	College Russian II	5.00
SPAN 101	College Spanish I	5.00
SPAN 102	College Spanish II	5.00
SPAN 103	College Spanish III	5.00
SPAN 104	College Spanish IV	5.00
THART 100 or THART 100H	Introduction to Theatre	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Associate in Arts in Geography for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Geography at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Geography or a related field of study.

Major/Program Requirements

Required Courses:

GEOG 102 or GEOG 102H	Cultural Geography	3.00
GEOG 110 or GEOG 110H	Physical Geography	3.00
GEOG 111 or GEOG 111H	Physical Geography Laboratory	1.00

Students must complete at least six (6) units from the following courses:

Required Courses, List A

GEOG 114	Investigations in Weather and Climate	4.00
	OR	
GEOG 115	Elements of Weather and Climate	3.00
GEOG 120	World Regional Geography	3.00
GEOG 126	Geography of California	3.00

Students must complete six (6) additional units from the following courses:

Required Courses, List B

GEOL 100 or GEOL 100H	Physical Geology	4.00
	OR	
GEOL 101 or GEOL 101H	Introduction to Geology	3.00
	AND	
GEOL 160	Geology Laboratory	1.00
GEOG 175	Introduction to Information Mapping	3.00
ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
GEOG 114	Investigations in Weather and Climate	4.00
GEOG 115	Elements of Weather and Climate	3.00
GEOG 120	World Regional Geography	3.00
GEOG 126	Geography of California	3.00

Field experiences including GEOL 170, GEOL 175, GEOL 177, GEOL 180, GEOL 181, GEOL 190, and GEOL 270 are not required to earn the degree but are recommended for students preparing to major in geography at a four year institution.

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Associate in Arts in History for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in History at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in History or a related field of study.

Major/Program Requirements

Required Courses:

HIST 100 or HIST 100H	History of the United States to 1877	3.00
HIST 101 HIST 101H	History of the United States 1865 to Present	3.00
HIST 170 or HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
HIST 171 or HIST 171H	World Civilizations (1500 CE to the Present)	3.00

Students must complete at least three (3) units from the following courses:

ANTHRO 107 or HIST 107	The United States and the North American Indians	3.00
ARABIC 101	College Arabic I	5.00
ARABIC 102	College Arabic II	5.00
ARABIC 103	College Arabic III	5.00
ARABIC 104	College Arabic IV	5.00
ASL 101	American Sign Language I	4.00
ASL 102	American Sign Language II	4.00
ASL 103	American Sign Language III	4.00
ASL 104	American Sign Language IV	4.00
COMMST 174	Communication in a Diverse World	3.00
ENGL 160	Literature by Women	3.00
ENGL 163	Chicano/Latino Literature	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00
FRENCH 101	College French I	5.00
FRENCH 102	College French II	5.00
FRENCH 103	College French III	5.00
FRENCH 104	College French IV	5.00
JAPN 101	College Japanese I	5.00
JAPN 102	College Japanese II	5.00
JAPN 103	College Japanese III	5.00
JAPN 104	College Japanese IV	5.00
ASL 115	The American Deaf Experience: Introduction to Deaf Studies	3.00
POLIT 104	Introduction to Comparative Politics	3.00
POLIT 106	Introduction to World Politics	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00
RELIG 110 or ANTHRO 110	Tribal and Ethnic Religions	3.00
RUS 101	College Russian I	5.00
RUS 102	College Russian II	5.00
SOC 141	Minority Relations	3.00
SPAN 101	College Spanish I	5.00
SPAN 102	College Spanish II	5.00
SPAN 103	College Spanish III	5.00
SPAN 104	College Spanish IV	5.00

Students must complete at least three (3) additional units from the following courses:

ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
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ANTHRO 107 or HIST 107	The United States and the North American Indians	3.00
ANTHRO 110 or RELIG 110	Tribal and Ethnic Religions	3.00
ART 100 or ART 100H	Art History I: Prehistoric Art to Medieval Art	3.00
ART 102 or ART 102H	Art History II: Renaissance Art to Contemporary Art	3.00
COMMST 135 or JOUR 135	Mass Communication in Society	3.00
HIST 135 or RELIG 135	Religion in America	3.00
HIST 145	California History	3.00
ECON 100	Introduction to Economics	3.00
ECON 200 or ECON 200H	Principles of Macroeconomics	3.00
ECON 201 or ECON 201H	Principles of Microeconomics	3.00
GEOG 120	World Regional Geography	3.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00
HUM 140	Humanities Through the Arts	3.00
MUSIC 103 or MUSIC 103H	Appreciation of American Popular Music	3.00
MUSIC 120 or MUSIC 120H	Appreciation of Musical Literature	3.00
MUSIC 134	Jazz History	3.00
PHIL 101 or PHIL 101H	Introduction to Philosophy	3.00
POLIT 100 or POLIT 100H	American Politics	3.00
POLIT 102	California Politics and Culture	3.00
POLIT 104	Introduction to Comparative Politics	3.00
POLIT 106	Introduction to World Politics	3.00
POLIT 110	Introduction to Political Theory	3.00
PSYCH 100 or PSYCH 100H	General Psychology	3.00
RELIG 100 or RELIG 100H	Introduction to Religious Studies	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00
SOC 100 or SOC 100H	Introduction to Sociology	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Demonstrate an understanding that History shares with English a narrative tradition that relies on the written word to tell its story by evaluating documents

- Discuss and appraise the influence of multiple factors or "causes" in an historical event or development
- Recognize and evaluate the influence of contingency or chance in an historical event or development
- Compare, contrast and evaluate the influence or role of actions or inaction in determining an outcome in an historical event or development
- Considering History's multidisciplinary nature, describe and appraise the role that "environment" (physical, social, cultural, technological and economic, etc.) may play in an historical event or development
- Critique and evaluate an historical event or development as a study of human activity and conclude how it informs us about human nature
- Analyze and evaluate an historical event or development that demonstrates the fact that at times we cannot have absolute certainty about what happened in the past

Associate in Arts in Kinesiology for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Kinesiology at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Kinesiology or a related field of study. Students earning this degree will be able to explain the importance of physical activity in daily life and the implications of this for the discipline of kinesiology, how it is structured, and the types of knowledge studied by its scholars and applied in professional practice; defend the integrative nature of the field of kinesiology; identify the nature and demands of professional occupations, the career options available to students graduating from departments of kinesiology, and the qualifications associated with each; demonstrate knowledge of principles for safe participation and physiological improvement in keeping with the goals of a specific physical activity; and demonstrate an understanding of the benefit associated with the participation in physical activities.

Major/Program Requirements

Required Courses:

KIN 200	Introduction to Kinesiology	3.00
ANAT 150	Human Anatomy and Physiology I	4.00
ANAT 151	Human Anatomy and Physiology II	4.00

Students must complete one (1) unit from at least three (3) of the following movement-based course areas:

Aquatics

KIN/S 164A	Swimming I	0.50 - 1.00
KIN/S 164B	Swimming II	0.50 - 1.00
KIN/S 164C	Swimming III	0.50 - 1.00
KIN/S 164D	Swimming IV	0.50 - 1.00
KIN/F 173A	Water Aerobics and Deep Water Exercise I	0.50 - 1.00
KIN/F 173B	Water Aerobics and Deep Water Exercise II	0.50 - 1.00
KIN/F 173C	Water Aerobics and Deep Water Exercise III	0.50 - 1.00
KIN/F 173D	Water Aerobics and Deep Water Exercise IV	0.50 - 1.00

Combatives

KIN/S 159A	Karate I	0.50 - 1.00
KIN/S 159B	Karate II	0.50 - 1.00
KIN/S 159C	Karate III	0.50 - 1.00
KIN/S 159D	Karate IV	0.50 - 1.00

Team Sports

KIN/S 116A	Soccer I	0.50 - 1.00
KIN/S 116B	Soccer II	0.50 - 1.00
KIN/S 116C	Soccer III	0.50 - 1.00
KIN/S 116D	Soccer IV	0.50 - 1.00
KIN/S 193A	Softball I	0.50 - 1.00
KIN/S 193B	Softball II	0.50 - 1.00
KIN/S 193C	Softball III	0.50 - 1.00
KIN/S 193D	Softball IV	0.50 - 1.00

Individual Sports

KIN/S 120A	Golf I	0.50 - 1.00
KIN/S 120B	Golf II	0.50 - 1.00
KIN/S 120C	Golf III	0.50 - 1.00
KIN/S 120D	Golf IV	0.50 - 1.00
KIN/S 148A	Tennis I	0.50 - 1.00
KIN/S 148B	Tennis II	0.50 - 1.00
KIN/S 148C	Tennis III	0.50 - 1.00
KIN/S 148D	Tennis IV	0.50 - 1.00

Fitness

KIN/F 105A	Aerobic Conditioning I	0.50 - 1.00
KIN/F 105B	Aerobic Conditioning II	0.50 - 1.00
KIN/F 105C	Aerobic Conditioning III	0.50 - 1.00
KIN/F 105D	Aerobic Conditioning IV	0.50 - 1.00
KIN/F 108A	Resistance and Weight Training I	0.50 - 1.00
KIN/F 108B	Resistance and Weight Training II	0.50 - 1.00
KIN/F 108C	Resistance and Weight Training III	0.50 - 1.00
KIN/F 108D	Resistance and Weight Training IV	0.50 - 1.00
KIN/F 127A	Walking for Fitness I	0.50 - 1.00
KIN/F 127B	Walking for Fitness II	0.50 - 1.00
KIN/F 127C	Walking for Fitness III	0.50 - 1.00
KIN/F 127D	Walking for Fitness IV	0.50 - 1.00
KIN/F 168A	Yoga I	0.50 - 1.00
KIN/F 168B	Yoga II	0.50 - 1.00
KIN/F 168C	Yoga III	0.50 - 1.00
KIN/F 168D	Yoga IV	0.50 - 1.00
KIN/F 190A	Tai Chi I	0.50 - 1.00
KIN/F 190B	Tai Chi II	0.50 - 1.00
KIN/F 190C	Tai Chi III	0.50 - 1.00
KIN/F 190D	Tai Chi IV	0.50 - 1.00

Dance

KIN/D 163A or DANCE 163A	Ballroom/Swing/Salsa I	0.50 - 1.00
KIN/D 163B or DANCE 163B	Ballroom/Swing/Salsa II	0.50 - 1.00
KIN/D 163C or DANCE 163C	Ballroom/Swing Salsa III	0.50 - 1.00

KIN/D 163D or DANCE 163D	Ballroom/Swing Salsa IV	0.50 - 1.00
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Students must complete at least six (6) additional units from the following list:

MATH 110	Introduction to Probability and Statistics	4.00
CHEM 150 or CHEM 150H	General Chemistry I	5.00
PHYSIC 110	General Physics I	4.00
	OR	
PHYSIC 250	College Physics I	4.00
KIN 231	First Aid and CPR	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Associate in Arts in Music for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Music at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to pursue a Bachelor of Arts in Music degree.

Major/Program Requirements**Required Courses:**

MUSIC 101	Music Theory I	4.00
MUSIC 102	Music Theory II	4.00
MUSIC 201	Music Theory III	4.00
MUSIC 202	Music Theory IV	4.00
MUSIC 141X4	Applied Music	0.50

MUSIC 141X4: Must be taken four times for a total of 2 units.

Required Ensemble Courses:

MUSIC 150X4	Concert Choir	1.00
	OR	
MUSIC 174X4	Jazz Band	1.00

Total of 4 units of any combination of ensemble courses.

IGETC is the only approved general education pattern for this degree. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC). See counselor for details. Information is also available at www.assist.org.

Associate in Arts in Philosophy for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Philosophy at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Philosophy or a related field of study.

Major/Program Requirements**Required Courses:**

PHIL 101 or PHIL 101H	Introduction to Philosophy	3.00
PHIL 103	Introduction to Logic: Argument and Evidence	3.00
PHIL 105 or PHIL 105H	Introduction to Ethics: Moral Values in Today's Society	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00
RELIG 113	Introduction to Eastern Religions	3.00

Students must complete three (3) additional units from the following courses:

ANTHRO 110 or RELIG 110	Tribal and Ethnic Religions	3.00
HIST 135 or RELIG 135	Religion in America	3.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00
RELIG 100 or RELIG 100H	Introduction to Religious Studies	3.00
RELIG 120	Introduction to Islam	3.00
RELIG 175 or ENGL 175	Literature and Religion of the Bible	3.00
RELIG 176	Jesus and His Interpreters	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Associate in Arts in Political Science for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Political Science at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Political Science or a related field of study.

Major/Program Requirements

Required Courses:

POLIT 100 or POLIT 100H	American Politics	3.00
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Students must complete at least nine (9) units from the following courses:

POLIT 104	Introduction to Comparative Politics	3.00
POLIT 106	Introduction to World Politics	3.00
POLIT 110	Introduction to Political Theory	3.00
MATH 110	Introduction to Probability and Statistics	4.00
	OR	
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00

Students must complete at least six (6) additional units from the following courses:

POLIT 102	California Politics and Culture	3.00
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MATH 110	Introduction to Probability and Statistics	4.00
	OR	
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00
ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
ECON 100	Introduction to Economics	3.00
ECON 200 or ECON 200H	Principles of Macroeconomics	3.00
ECON 201 or ECON 201H	Principles of Microeconomics	3.00
GEOG 120	World Regional Geography	3.00
HIST 100 or HIST 100H	History of the United States to 1877	3.00
HIST 101 or HIST 101H	History of the United States 1865 to Present	3.00
HIST 170 or HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
HIST 171 or HIST 171H	World Civilizations (1500 CE to the Present)	3.00
PSYCH 100 or PSYCH 100H	General Psychology	3.00
SOC 100 or SOC 100H	Introduction to Sociology	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Define "politics" and its influence on individuals within society and society as a whole, demonstrating awareness of the context or opportunities for individual or group participation and efficacy in politics
- Recognize, describe and analyze the significant and usually direct influence of social, economic and cultural factors on political behavior and beliefs
- Define and distinguish between human rights, civil liberties and civil rights
- Identify and employ the pertinent vocabulary of political discourse and political science
- Recognize, describe and analyze liberal democracy in comparison to non-democratic forms of government
- Recognize and distinguish between the various forms of democracy, as well as between different types of non-democratic governments, movements and ideologies
- Identify and describe the major political institutions found in both the United States and other nations in the world

Associate in Arts in Psychology for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Psychology at Crafton Hills College is designed to meet the needs of students transferring to a California State University or University of California who intend to major in Psychology or a related field of study.

Major/Program Requirements

Required Courses:

BIOL 100	General Biology	4.00
PSYCH 100 or PSYCH 100H	General Psychology	3.00
PSYCH 101	Research Methods	3.00
PSYCH 111	Developmental Psychology: Lifespan	3.00
MATH 110	Introduction to Probability and Statistics	4.00
	OR	
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00

Students must complete at least three (3) units from the following courses:

PSYCH 102	Personal and Social Adjustment	3.00
PSYCH 103	Theories of Personality	3.00
PSYCH 110	Abnormal Psychology	3.00
PSYCH 118	Human Sexual Behavior	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Associate in Arts in Sociology for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Sociology at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Sociology or a related field of study.

Major/Program Requirements

Required Courses:

SOC 100 or SOC 100H	Introduction to Sociology	3.00
SOC 105	Social Problems	3.00
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00
	OR	
MATH 110	Introduction to Probability and Statistics	4.00

Students must complete at least six (6) units from the following courses:

SOC 130	Marriage, Family and Intimate Relationships	3.00
SOC 141	Minority Relations	3.00
SOC 145	Sex, Gender and Society	3.00

Students must complete at least three (3) additional units from the following courses:

SOC 130	Marriage, Family and Intimate Relationships	3.00
SOC 141	Minority Relations	3.00
SOC 145	Sex, Gender and Society	3.00
SOC 150	Gerontology	3.00
ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
PSYCH 100 or PSYCH 100H	General Psychology	3.00
POLIT 100 or POLIT 100H	American Politics	3.00
ECON 100	Introduction to Economics	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Associate in Arts in Spanish for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Spanish at Crafton Hills College is designed to meet the needs of students transferring to California State University who intend to major in Spanish or a related field of study.

Major/Program Requirements

Required Courses:

SPAN 101	College Spanish I	5.00
SPAN 102	College Spanish II	5.00
SPAN 103	College Spanish III	5.00
SPAN 104	College Spanish IV	5.00

Students must complete at least three (3) units from the following courses:

ENGL 163	Chicano/Latino Literature	3.00
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Total Credit Hours: 23.00

Substitution courses: If a student places out of a required course, the student will need to take additional units to compensate for the course. Substitution courses are only permitted for those students who have placed out of one or more of the following courses required for the major: Spanish 101, Spanish 102 and Spanish 103. Spanish 104 cannot be substituted.

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Associate in Arts in Studio Arts for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Studio Arts at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Art, Studio Arts or a related field of study.

Major/Program Requirements

Required Courses:

ART 102 or ART 102H	Art History II: Renaissance Art to Contemporary Art	3.00
ART 120	Foundations of Two-Dimensional Design	3.00
ART 121	Foundations of Three-Dimensional Design	3.00
ART 124	Drawing I	3.00

Students must complete at least three (3) units from the following list:

ART 100 or ART 100H	Art History I: Prehistoric Art to Medieval Art	3.00
ART 113	Survey of Asian Art	3.00

Students must complete at least nine (9) additional units from the following list:

ART 125	Drawing II	3.00
	OR	
ART 132	Life Drawing I	3.00
ART 126	Painting I	3.00
ART 175	Sculpture	3.00
ART 200	Printmaking	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Associate in Arts in Theatre Arts for Transfer (AA-T) Degree

An Associate in Arts-Transfer (AA-T) degree in Theatre Arts at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Theatre Arts or a related field of study.

Major/Program Requirements

Required Courses:

THART 100 or THART 100H	Introduction to Theatre	3.00
THART 108 or ENGL 108	World Drama I	3.00
THART 120	Beginning Acting	3.00
THART 124X2	Beginning Performance Workshop	3.00
	OR	
THART 134X4	Technical Theatre Workshop	1.00

THART 134X4: must be taken three times

Students must complete at least nine (9) units from the following courses:

THART 124X2	Beginning Performance Workshop	3.00
THART 134X4	Technical Theatre Workshop	1.00
THART 176	Fundamentals of Stagecraft I	3.00
THART 179	Fundamentals of Stagecraft II	3.00
THART 220	Intermediate Acting	3.00

THART 226 or ENGL 226	Play and Screenplay Analysis	3.00
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THART 124X2: if not taken above

THART 134X4: may be taken three times if not taken above

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Demonstrate the ability to read an excerpt of a play news copy or other text using proper voice and diction
- Analyze a play text and then use the psychophysical techniques of the Stanislavski system to internalize an appropriate imagined reality in order to create believable characters, realities and interplay on stage
- Demonstrate the ability to co-operate in a group situation with other students to collectively prepare, organize and produce work either as an actor, musician, dancer, performer, director, technician or designer
- Demonstrate the ability to be successfully complete a design process in set, light, sound and costume design, and to prepare, construct and set up technical elements in collaboration with others in the technical production of a show
- Recognize and categorize different types of plays and theatrical styles according to historical period, genre and dramatic effect and how they are related to the social, political, or cultural issues in a given historical period, country, cultural context or era
- Analyze a play and describe how the basic elements of plot, character, theme and language are specifically handled to produce a particular dramatic style or dramatic effect and employ critical thinking skills to analyze dramatic literature and cultural context during class discussions and to prepare and produce written papers that demonstrate analytical skill

Associate in Science-Transfer Degrees

Associate in Science in Business Administration for Transfer (AS-T) Degree

The Associate in Science-Transfer (AS-T) degree in Business Administration at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Business Administration or a related field of study.

Major/Program Requirements

Required Courses:

ACCT 208	Introduction to Financial Accounting	4.00
ACCT 209	Introduction to Managerial Accounting	4.00
BUSAD 210	Business Law	3.00
ECON 200 or ECON 200H	Principles of Macroeconomics	3.00
ECON 201 or ECON 201H	Principles of Microeconomics	3.00
MATH 110	Introduction to Probability and Statistics	4.00

	OR	
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00

Students must complete at least six (6) units from the following courses:

BUSAD 100	Introduction to Business	3.00
BUSAD 230 or CIS 101	Using Computers for Business	3.00
BUSAD 145 or COMMST 145	Business Communication	4.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is available at www.assist.org.

Associate in Science in Biology for Transfer (AS-T) Degree

The Associate in Science-Transfer (AS-T) degree in Biology at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Biology or a related field of study.

Major/Program Requirements

Required Courses:

BIOL 130 or BIOL 130H	Cell and Molecular Biology	4.00
BIOL 131 or BIOL 131H	Populations and Organisms	4.00
CHEM 150 or CHEM 150H	General Chemistry I	5.00
CHEM 151 or CHEM 151H	General Chemistry II	5.00
MATH 250	Single Variable Calculus I	4.00
	AND	
PHYSIC 110	General Physics I	4.00
	AND	
PHYSIC 111	General Physics II	4.00
	OR	
PHYSIC 250	College Physics I	4.00
	AND	
PHYSIC 251	College Physics II	4.00

CSUGE for STEM and IGETC for STEM are the only approved general education patterns for this degree. (p. 61)

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (CSUGE Breadth for STEM or IGETC for STEM). See a counselor for details. Information is also available at www.assist.org.

Associate in Science in Chemistry for Transfer (AS-T) Degree

The Associate in Science-Transfer (AS-T) degree in Chemistry at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Chemistry or a related field of study.

Major/Program Requirements

Required Courses:

CHEM 150 or CHEM 150H	General Chemistry I	5.00
CHEM 151 or CHEM 151H	General Chemistry II	5.00
CHEM 212	Organic Chemistry I	4.00
CHEM 213	Organic Chemistry II	4.00
PHYSIC 250	College Physics I	4.00
PHYSIC 251	College Physics II	4.00
MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00

CSUGE for STEM and IGETC for STEM are the only approved general education patterns for this degree. (p. 61)

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (CSUGE Breadth for STEM or IGETC for STEM). See a counselor for details. Information is also available at www.assist.org.

Associate in Science in Computer Science for Transfer (AS-T) Degree

The Associate in Science-Transfer (AS-T) degree in Computer Science at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in a Computer Science related field of study.

Major/Program Requirements

Required Courses:

CSCI 110	Introduction to Computer Science I	3.00
CSCI 120	Introduction to Computer Science II	3.00
CSCI 200 or MATH 200	Discrete Structures	4.00
CSCI 240	Computer Organization and Assembly Language Programming	3.00
MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00
PHYSIC 250	College Physics I	4.00
PHYSIC 251	College Physics II	4.00

IGETC is the only approved general education pattern for this degree.

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC). See a counselor for details. Information is also available at www.assist.org.

Associate in Science in Early Childhood Education for Transfer (AS-T) Degree

The Associate in Science-Transfer (AS-T) degree in Early Childhood Education at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Early Childhood Education or a related field of study.

Major/Program Requirements

Required Courses:

CD 105	Child Growth and Development	3.00
CD 126	Child, Family and Community	3.00
CD 112	Principles and Practices in Early Childhood Education	3.00
CD 132	Introduction to Curriculum	3.00
CD 212	Observation and Methods in Early Child Development	3.00
CD 205	Child Development Practicum	4.00
CD 115	Health, Welfare and Nutrition for Children	3.00
CD 182	Teaching in a Diverse Society	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Associate in Science in Geology for Transfer (AS-T) Degree

The Associate in Science-Transfer (AS-T) degree in Geology at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Geology or a related field of study.

Major/Program Requirements

Required Courses:

GEOL 100 or GEOL 100H	Physical Geology	4.00
	OR	
GEOL 101 or GEOL 101H	Introduction to Geology	3.00
	AND	
GEOL 160	Geology Laboratory	1.00
GEOL 112	Historical Geology	4.00
GEOL 150 or GEOL 150H	Contemporary Geology: Hazards, Resources and Environmental Concerns	3.00
CHEM 150 or CHEM 150H	General Chemistry I	5.00
CHEM 151 or CHEM 151H	General Chemistry II	5.00
MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00

Recommended Courses

The following courses and field experiences including GEOL 170, GEOL 175, GEOL 180, GEOL 181, GEOL 190 and GEOL 270 are not required to earn the degree but are recommended for students preparing to major in geology at a four-year institution.

BIOL 100	General Biology	4.00
MATH 252	Multivariable Calculus	5.00
PHYSIC 250	College Physics I	4.00
PHYSIC 251	College Physics II	4.00
PHYSIC 252	College Physics III	4.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Demonstrate an understanding of the types of plate tectonic boundaries and the typical features associated with those boundaries, such as volcanoes and earthquakes.
- Utilize critical thinking skills to interpret, apply and/or evaluate an Earth Science topic, such as the concept of scale
- Students will be able to collect, analyze and interpret information and clearly articulate the results through their writing, speech or other acceptable style of presentation
- Display knowledge in the basic areas of Earth Science that are appropriate to each Earth Science course

Associate in Science in Mathematics for Transfer (AS-T) Degree

The Associate in Science-Transfer (AS-T) degree in Mathematics at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Mathematics or a related field of study.

Major/Program Requirements

Required Courses:

MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00
MATH 252	Multivariable Calculus	5.00

Students must complete at least six (6) units from the following courses, with at least three (3) units from Group A:

Group A

MATH 265	Linear Algebra	4.00
MATH 266	Introduction to Ordinary Differential Equations	4.00

Group B

MATH 255	Computer-Based Problems for Calculus	1.00
		2.00
MATH 110	Introduction to Probability and Statistics	4.00
CIS 114	C++ Programming I	3.00
CIS 116	C++ Programming II	3.00
PHYSIC 250	College Physics I	4.00
CSCI 110	Introduction to Computer Science I	3.00

CSCI 120	Introduction to Computer Science II	3.00
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Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Associate in Science in Physics for Transfer (AS-T) Degree

The Associate in Science-Transfer (AS-T) degree in Physics at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in physics, astronomy, astrophysics or a related field of study.

Major/Program Requirements

Required Courses:

PHYSIC 250	College Physics I	4.00
PHYSIC 251	College Physics II	4.00
PHYSIC 252	College Physics III	4.00
MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00
MATH 252	Multivariable Calculus	5.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

PROGRAMS

American Sign Language (ASL)

Department: Communication & Language

Faculty Chairs: Breanna Andrews, M.A. & Rick Hogrefe, M.A.

Faculty: Breanna Andrews, M.A.

American Sign Language - Associate of Arts Degree

The American Sign Language major at Crafton Hills College is comprised of the four introductory courses in American Sign Language and one course in Deaf Culture. Students must also complete at least two units from the list of elective courses.

Major/Program Requirements

Required Courses:

ASL 101	American Sign Language I	4.00
ASL 102	American Sign Language II	4.00
ASL 103	American Sign Language III	4.00
ASL 104	American Sign Language IV	4.00
ASL 115	The American Deaf Experience: Introduction to Deaf Studies	3.00

Students must complete at least two (2) units from the following courses:

ASL 105	American Sign Language V	3.00
ASL 200	Introduction to Interpreting for the Deaf	3.00
ASL 205	Fingerspelling, Numbers, Classifiers, and Non-Manuals	2.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

American Sign Language Certificate of Achievement

The Certificate provides students' with the knowledge and skills necessary to communicate with intermediate proficiency in American Sign Language (ASL).

Major/Program Requirements

Required Courses

ASL 101	American Sign Language I	4.00
ASL 102	American Sign Language II	4.00
ASL 103	American Sign Language III	4.00
ASL 104	American Sign Language IV	4.00

Anatomy (ANAT)

Department: Physical & Biological Sciences

Faculty Chair: Sam Truong, M.D.

Faculty: Sam Truong, M.D.

Lab Technician: Rosemarie Hansen, B.S.

Anatomy - Associate of Science Degree

see BIOLOGY (p. 85)

Anthropology (ANTHRO)

Department: Social Science

Faculty Chair: Julie McKee, M.A. & Jeff Cervantez, Ph.D.

Associate in Arts in Anthropology for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Anthropology at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Anthropology or a related field of study. Students earning this degree will be able to utilize anthropological theories and research methods to make the unfamiliar familiar and make the familiar unfamiliar; apply archaeological and anthropological research methods and explain which would be appropriate in this investigation; identify the components of culture and explain their application to the interpersonal and organizational experience of a given case study; and define ethnocentrism and appraise its role in maintaining social solidarity and its impact on tolerance, pluralism and diversity.

Major/Program Requirements

Required Courses:

ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
ANTHRO 106 or ANTHRO 106H	Biological Anthropology	3.00
ANTHRO 100	Introduction to Archaeology	3.00
MATH 110	Introduction to Probability and Statistics	4.00
	OR	
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00

Students must complete at least three (3) units from the following list:

GEOL 100 or GEOL 100H	Physical Geology	4.00
PSYCH 101	Research Methods	3.00

Students may substitute GEOL 101 and GEOL 160 in lieu of GEOL 100. See a counselor for details. Students may substitute GEOL 101H and GEOL 160 in lieu of GEOL 100H. See a counselor for details.

Students must complete at least three (3) additional units from the following list:

ANTHRO 110 or RELIG 110	Tribal and Ethnic Religions	3.00
ANTHRO 107 or HIST 107	The United States and the North American Indians	3.00
COMMST 174	Communication in a Diverse World	3.00
GEOG 102 or GEOG 102H	Cultural Geography	3.00
GEOG 120	World Regional Geography	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00
SOC 100 or SOC 100H	Introduction to Sociology	3.00
SOC 141	Minority Relations	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Anthropology - Associate of Arts Degree

Major/Program Requirements

Required Courses:

ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
ANTHRO 106 or ANTHRO 106H	Biological Anthropology	3.00

Students must complete at least twelve (12) units from the following courses:

ANTHRO 100	Introduction to Archaeology	3.00
ANTHRO 107 or HIST 107	The United States and the North American Indians	3.00
ANTHRO 110 or RELIG 110	Tribal and Ethnic Religions	3.00
GEOG 102 or GEOG 102H	Cultural Geography	3.00
GEOG 110 or GEOG 110H	Physical Geography	3.00
MATH 110	Introduction to Probability and Statistics	4.00
	OR	
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00
SOC 100 or SOC 100H	Introduction to Sociology	3.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Utilize anthropological theories and research methods to "make the unfamiliar familiar, and make the familiar unfamiliar"
- Apply archeological and anthropological research methods, and explain which would be appropriate in the investigation
- Identify the components of "culture" and explain the application to the interpersonal and organizational experience of a given case study, covering topics such as the roles of legends, symbolism, rites of passage, linguistics and drug use
- Define ethnocentrism and appraise its role in maintaining societal solidarity and its impact on tolerance, pluralism and diversity

Arabic (ARABIC)

Department: Communication & Language

Faculty Chairs: Breanna Andrews, M.A. & Rick Hogrefe, M.A.

Arabic - Associate of Arts Degree

Major/Program Requirements

Required Courses:

ARABIC 101	College Arabic I	5.00
ARABIC 102	College Arabic II	5.00
ARABIC 103	College Arabic III	5.00
ARABIC 104	College Arabic IV	5.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Demonstrate language proficiency by writing and speaking Arabic at a beginning to intermediate level
- Interpret written and spoken messages in Arabic at a beginning to intermediate level
- Demonstrate appropriate knowledge of the Arab world regarding social interactions, beliefs, values, arts, literature, music and geography
- Define the concept of culture, appreciate other cultures and interact with members of those cultures in relation to their own
- Apply their knowledge of Arabic language and culture beyond the classroom in interactions within multicultural communities and the world

Art (ART)

Department: Fine Arts

Faculty Chair: Snezana Petrovic, M.F.A.

Faculty: Snezana Petrovic, M.F.A. & Renee Azenaro, M.F.A.

Associate in Arts in Art History for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Art History at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Art, Art History or a related field of study.

Major/Program Requirements

Required Courses:

ART 100 or ART 100H	Art History I: Prehistoric Art to Medieval Art	3.00
ART 102 or ART 102H	Art History II: Renaissance Art to Contemporary Art	3.00
ART 113	Survey of Asian Art	3.00
ART 124	Drawing I	3.00

Students must complete at least three (3) units from the following list:

ART 120	Foundations of Two-Dimensional Design	3.00
ART 121	Foundations of Three-Dimensional Design	3.00
ART 126	Painting I	3.00
ART 132	Life Drawing I	3.00
ART 175	Sculpture	3.00
ART 200	Printmaking	3.00

Students must complete at least three (3) additional units from the following list:

ART 105	History of Modern Art	3.00
ART 120	Foundations of Two-Dimensional Design	3.00
ART 121	Foundations of Three-Dimensional Design	3.00
ART 126	Painting I	3.00
ART 132	Life Drawing I	3.00
ART 175	Sculpture	3.00
ART 200	Printmaking	3.00
ANTHRO 100	Introduction to Archaeology	3.00
ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
ARABIC 101	College Arabic I	5.00
ARABIC 102	College Arabic II	5.00
ARABIC 103	College Arabic III	5.00
ARABIC 104	College Arabic IV	5.00
ENGL 150	Classical Mythology	3.00
ENGL 160	Literature by Women	3.00
ENGL 163	Chicano/Latino Literature	3.00
ENGL 170	The Film Experience	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00
FRENCH 101	College French I	5.00

FRENCH 102	College French II	5.00
FRENCH 103	College French III	5.00
FRENCH 104	College French IV	5.00
HIST 170 or HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
HIST 171 or HIST 171H	World Civilizations (1500 CE to the Present)	3.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00
HUM 140	Humanities Through the Arts	3.00
JAPN 101	College Japanese I	5.00
JAPN 102	College Japanese II	5.00
JAPN 103	College Japanese III	5.00
JAPN 104	College Japanese IV	5.00
PHIL 101 or PHIL 101H	Introduction to Philosophy	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00
RELIG 113	Introduction to Eastern Religions	3.00
SPAN 101	College Spanish I	5.00
SPAN 102	College Spanish II	5.00
SPAN 103	College Spanish III	5.00
SPAN 104	College Spanish IV	5.00
SPAN 157	Spanish for Spanish Speakers I	5.00
SPAN 158	Spanish for Spanish Speakers II	5.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Associate in Arts in Studio Arts for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Studio Arts at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Art, Studio Arts or a related field of study.

Major/Program Requirements

Required Courses:

ART 102 or ART 102H	Art History II: Renaissance Art to Contemporary Art	3.00
ART 120	Foundations of Two-Dimensional Design	3.00
ART 121	Foundations of Three-Dimensional Design	3.00
ART 124	Drawing I	3.00

Students must complete at least three (3) units from the following list:

ART 100 or ART 100H	Art History I: Prehistoric Art to Medieval Art	3.00
ART 113	Survey of Asian Art	3.00

Students must complete at least nine (9) additional units from the following list:

ART 125	Drawing II	3.00
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	OR	
ART 132	Life Drawing I	3.00
ART 126	Painting I	3.00
ART 175	Sculpture	3.00
ART 200	Printmaking	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Art - Associate of Arts Degree

Provides training in art fundamentals to prepare students for transfer or to pursue a career in the arts. The core program provides an introduction to various aspects of studio art and art history, from traditional to the contemporary. Students can create their own emphasis in graphic design, 3D design, sculpture, printmaking, digital video production or studies in a contemporary media such as installation art or/and performance art.

Major/Program Requirements

Required Courses:

ART 100 or ART 100H	Art History I: Prehistoric Art to Medieval Art	3.00
ART 102 or ART 102H	Art History II: Renaissance Art to Contemporary Art	3.00
ART 120	Foundations of Two-Dimensional Design	3.00
ART 121	Foundations of Three-Dimensional Design	3.00
ART 124	Drawing I	3.00
ART 126	Painting I	3.00
ART 132	Life Drawing I	3.00

Students must complete at least six units from the following courses:

ART 105	History of Modern Art	3.00
ART 119	Digital Video Art	3.00
ART 125	Drawing II	3.00
ART 175	Sculpture	3.00
ART 200	Printmaking	3.00
ART 204	Contemporary Topics in American Art	1.00
ART 226	Painting II	3.00
ART 232	Life Drawing II	3.00
ART 247A	Special Projects in Art	1.00-3.00
ART 247B	Special Projects in Art	1.00-3.00
ART 247C	Special Projects in Art	1.00-3.00
ART 247D	Special Projects in Art	1.00-3.00
ART 275	Contemporary Sculpture Techniques	3.00
THART 176	Fundamentals of Stagecraft I	3.00
THART 179	Fundamentals of Stagecraft II	3.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Develop a habit of critical inquiry and research relevant to creative processes
- Foster intellectual curiosity and experimentation in different art medias
- Express an understanding of contemporary issues in arts through visual, written and spoken communication
- Demonstrate a basic knowledge in contemporary art and its historical relevance
- Recognize and interpret the art from different periods from prehistoric to the contemporary time with the focus on the Western Culture
- Demonstrate critical thinking in the analysis of both familiar and unfamiliar works of art
- Demonstrate knowledge in basic design vocabulary related to both 2D and 3D design
- Integrate the knowledge of a pictorial composition and express it in a variety of art projects from figuration to abstraction
- Demonstrate knowledge in a perspective drawing
- Display drawing skills in a variety of media and techniques
- Exhibit the understanding of the human figure and proportions in a relationship to a space and light source
- Demonstrate an understanding of color theory and develop adequate skills in color mixing
- Incorporate the variety of painting styles as well as painting media/techniques
- Practice safe working procedures

Computer Assisted Graphic Design Certificate (Art)

The objective of this certificate is to provide students the knowledge and skills necessary for employment in entry-level positions in the field of Computer Assisted Graphic Design. The certificate indicates student knowledge of the software, theory, and abilities required to pursue a career in Computer Assisted Graphic Design.

Completion of the following 18.00 units qualifies the student for the Computer Assisted Graphic Design Certificate.

Major/Program Requirements

Required Courses:

ART 120	Foundations of Two-Dimensional Design	3.00
ART 124	Drawing I	3.00
CIS 163	Adobe Photoshop	3.00
CIS 165	Introduction to 3D Modeling and Animation	3.00
CIS 180	Computer Graphics with Adobe Illustrator	1.00-3.00
CIS 182	Desktop Publishing with Adobe Indesign	1.00-3.00

Recommended Courses:

CIS 166	Advanced 3D Modeling and Animation	3.00
CIS 184	Photoshop and Digital Photography	3.00

A student receiving a certificate in this field will be able to:

- Define and use the tools and skills needed to create drawings and graphics for a wide range of applications
- Work collaboratively on a team project
- Demonstrate the ability to define and use the terminology of drawing and graphic design
- Define and use the terminology of drawing and graphic design
- An understanding of the legal, ethical, and moral issues of media communication
- Work within the media copyright and legal regulatory environment
- Select and evaluate appropriate visual communication strategies and styles for a specific purpose

Biology (BIOL)

Department: Physical & Biological Sciences

Faculty Chair: Sam Truong, M.D.

Faculty: Ruth Greyraven, M.S. & Sam Truong, M.D.

Lab Technician: Karen McCartney, B.S.

Associate in Science in Biology for Transfer (AS-T) Degree

The Associate in Science-Transfer (AS-T) degree in Biology at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Biology or a related field of study.

Major/Program Requirements

Required Courses:

BIOL 130 or BIOL 130H	Cell and Molecular Biology	4.00
BIOL 131 or BIOL 131H	Populations and Organisms	4.00
CHEM 150 or CHEM 150H	General Chemistry I	5.00
CHEM 151 or CHEM 151H	General Chemistry II	5.00
MATH 250	Single Variable Calculus I	4.00
	AND	
PHYSIC 110	General Physics I	4.00
	AND	
PHYSIC 111	General Physics II	4.00
	OR	
PHYSIC 250	College Physics I	4.00
	AND	
PHYSIC 251	College Physics II	4.00

CSUGE for STEM and IGETC for STEM are the only approved general education patterns for this degree. (p. 61)

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (CSUGE Breadth for STEM or IGETC for STEM). See a counselor for details. Information is also available at www.assist.org.

Biology - Associate of Science Degree

Major/Program Requirements

Required Courses:

BIOL 130 or BIOL 130H	Cell and Molecular Biology	4.00
BIOL 131 or BIOL 131H	Populations and Organisms	4.00
CHEM 150 or CHEM 150H	General Chemistry I	5.00
CHEM 151 or	General Chemistry II	5.00

CHEM 151H		
PHYSIC 110	General Physics I	4.00
PHYSIC 111	General Physics II	4.00

PHYSIC 111: Students may substitute PHYSIC 250-251-252 in lieu of PHYSIC 110-111. See Counselor for details.

Students wishing to earn an A.S. with an emphasis in either Anatomy and Physiology or Microbiology must also complete:

Emphasis in Anatomy and Physiology:

ANAT 150	Human Anatomy and Physiology I	4.00
ANAT 151	Human Anatomy and Physiology II	4.00

Emphasis in Microbiology:

MICRO 150	Medical Microbiology	5.00
	OR	
MICRO 102	Introductory Microbiology	4.00
MICRO 247A	Special Problems in Microbiology	2.00
	OR	
MICRO 248A	Special Problems in Microbiology	3.00

MICRO 102: Students who complete MICRO 102 must also take a special problems in microbiology course (MICRO 247A or MICRO 248A).

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Communicate biological ideas and processes clearly and precisely, both orally and in writing
- Demonstrate the processes and skills associated with biological science research, including an integrated working knowledge of instrumentation and biological processes
- Demonstrate critical thinking skills through analysis of experimental data then drawing conclusions, and making predictions based on evidence

Business Administration (BUSAD)

Department: Business, Economics & Information Technology

Faculty Chair: Margaret Yau, M.S.

Faculty: Kenneth George, M.B.A., M.S.A.M.

Associate in Science in Business Administration for Transfer (AS-T) Degree

The Associate in Science-Transfer (AS-T) degree in Business Administration at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Business Administration or a related field of study.

Major/Program Requirements

Required Courses:

ACCT 208	Introduction to Financial Accounting	4.00
ACCT 209	Introduction to Managerial Accounting	4.00
BUSAD 210	Business Law	3.00
ECON 200 or ECON 200H	Principles of Macroeconomics	3.00
ECON 201 or ECON 201H	Principles of Microeconomics	3.00
MATH 110	Introduction to Probability and Statistics	4.00
	OR	
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00

Students must complete at least six (6) units from the following courses:

BUSAD 100	Introduction to Business	3.00
BUSAD 230 or CIS 101	Using Computers for Business	3.00
BUSAD 145 or COMMST 145	Business Communication	4.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is available at www.assist.org.

Business Administration - Associate of Science Degree

Major/Program Requirements

Required Courses:

ACCT 208	Introduction to Financial Accounting	4.00
BUSAD 100	Introduction to Business	3.00
BUSAD 145 or COMMST 145	Business Communication	4.00
BUSAD 200	Business Management	3.00
BUSAD 210	Business Law	3.00
BUSAD 230 or CIS 101	Using Computers for Business	3.00
ECON 100	Introduction to Economics	3.00
MARKET 100	Marketing Principles	3.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree/certificate in this field will be able to:

- Present and discuss contemporary business principles, practices and organizations
- Discuss economic, political and ethical issues and their impact upon business policies and practices
- Explain and apply basic accounting principles
- Effectively explain and apply marketing principles pertaining to promotion, advertising, public relations, and personal selling
- Describe and apply the economic concepts of supply and demand, competition, and product differentiation and their role in the free market
- Explain and apply the basic concepts of management and leadership
- Effectively explain the various concepts of human resource management including employee training, motivations, compensations, and labor relations

Administrative Assistant Certificate of Achievement

This certificate is designed to prepare students for entry-level positions as administrative assistants. It provides students computer literacy skills, a solid foundation in Microsoft Windows and Office, as well as business communication and employability skills that are needed for success in the workplace.

Major/Program Requirements

Required Courses:

CIS 091	Essential Technology Skills for College and Career Success	3.00
CIS 095	Employability Skills for Technical Careers	2.00
CIS 106	Spreadsheet Concepts and Application with Excel	3.00
BUSAD 145 or COMMST 145	Business Communication	4.00
BUSAD 230 or CIS 101	Using Computers for Business	3.00

Business Management Certificate of Achievement

The objective of this certificate program is to provide entry-level, marketable employment skills to equip the student with a basic understanding of the terminology and basic concepts/procedures used in business, and to acquaint the student with various subfunctions within the overall career field of business. Completion of the certificate program will prepare the student for entry-level employment in a variety of related occupations including supervision, small business ownership, and management trainee.

Admission: Open to all students. Registration is limited to class size restrictions.

Major/Program Requirements

Required Courses:

ACCT 208	Introduction to Financial Accounting	4.00
ACCT 209	Introduction to Managerial Accounting	4.00
BUSAD 100	Introduction to Business	3.00
BUSAD 145 or COMMST 145	Business Communication	4.00
BUSAD 155 or COMMST 155	Human Relations in the Workplace	3.00
COMMST 111 or COMMST 111H	Interpersonal Communication	3.00
COMMST 140	Small Group Communication	3.00
BUSAD 200	Business Management	3.00
BUSAD 210	Business Law	3.00
BUSAD 230 or CIS 101	Using Computers for Business	3.00
MARKET 100	Marketing Principles	3.00
MATH 110	Introduction to Probability and Statistics	4.00
	OR	
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00
	AND	
ECON 100	Introduction to Economics	3.00
	OR	
ECON 200 or ECON 200H	Principles of Macroeconomics	3.00
	OR	
ECON 201 or ECON 201H	Principles of Microeconomics	3.00

Job Readiness Skills Certificate

This non-credit certificate prepares students to enter the workforce through career exploration and planning, interview preparation, employment acquisition, as well as communication and workplace skills development.

Major/Program Requirements

Required Courses

VOC/N 601	Blueprint for Workplace Success	
VOC/N 602	Blueprint for Customer Service	
VOC/N 603	30 Ways to Shine as a New Employee	
	AND	
VOC/N 608	Job Club	

Retail Management Certificate of Achievement

The objective of this certificate program is to give students a foundation for a career in the retail management field. Some of the activities involved in retailing are selection and buying of merchandise, marketing, and product displays, selling, inventory control, customer relations and pricing. The student usually enters the retailing field as a clerk or cashier and advances in the following manner: Assistant Manager, Manager, and Upper Management.

Admission: Open to all students. Registration is limited to class size restrictions.

Major/Program Requirements

Required Courses:

ACCT 208	Introduction to Financial Accounting	4.00
BUSAD 053	Business Computations	3.00
BUSAD 103	Human Resources Management	3.00
BUSAD 200	Business Management	3.00
BUSAD 145 or COMMST 145	Business Communication	4.00
BUSAD 155 or COMMST 155	Human Relations in the Workplace	3.00
BUSAD 230 or CIS 101	Using Computers for Business	3.00
MARKET 100	Marketing Principles	3.00
MARKET 106	Retail Management	3.00
COMMST 111 or COMMST 111H	Interpersonal Communication	3.00

Workforce Literacy Skills Certificate

This non-credit certificate prepares students to enter the workforce through career exploration and planning, interview preparation, employment acquisition, as well as communication and workplace skills development. In addition, this certificate provides students with basic skills training in mathematics, English, and computing.

Major/Program Requirements

Requirements List

VOC/N 601	Blueprint for Workplace Success	
VOC/N 602	Blueprint for Customer Service	
VOC/N 603	30 Ways to Shine as a New Employee	
VOC/N 604	Workplace Computing	
MATH/N 605	Math Skills for the Workplace	
	AND	
ESL/N 607	Workplace English as a Second Language	
	OR	
WRIT/N 606	Reading and Writing for Workplace Communication	

Chemistry (CHEM)

Department: Physical & Biological Sciences

Faculty Chair: Sam Truong, M.D.

Faculty: Kelly Boebinger, M.S., Shohreh Rahbarnia, M.S., Kim Salt, Ph.D.

Lab Technician: Fran Farrell, M.A., M.S.

Associate in Science in Chemistry for Transfer (AS-T) Degree

The Associate in Science-Transfer (AS-T) degree in Chemistry at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Chemistry or a related field of study.

Major/Program Requirements

Required Courses:

CHEM 150 or CHEM 150H	General Chemistry I	5.00
CHEM 151 or CHEM 151H	General Chemistry II	5.00
CHEM 212	Organic Chemistry I	4.00
CHEM 213	Organic Chemistry II	4.00
PHYSIC 250	College Physics I	4.00
PHYSIC 251	College Physics II	4.00
MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00

CSUGE for STEM and IGETC for STEM are the only approved general education patterns for this degree. (p. 61)

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (CSUGE Breadth for STEM or IGETC for STEM). See a counselor for details. Information is also available at www.assist.org.

Chemistry - Associate of Science Degree

The chemistry program prepares students with an understanding of the fundamental principles of chemistry in a variety of applications. Students learn how chemical knowledge is derived, theorized, and applied in solving problems in everyday life.

Major/Program Requirements

Required Courses:

CHEM 150 or CHEM 150H	General Chemistry I	5.00
CHEM 151 or CHEM 151H	General Chemistry II	5.00
CHEM 212	Organic Chemistry I	4.00
CHEM 213	Organic Chemistry II	4.00

Recommended Courses:

These courses are typically prerequisites for third year chemistry majors. Students are encouraged to complete the recommended courses to prevent postponement of continued coursework in this major.

MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00

PHYSIC 110	General Physics I	4.00
PHYSIC 111	General Physics II	4.00

PHYSIC 110 and PHYSIC 111: Students may substitute PHYSIC 250, 251, and 252 in lieu of PHYSIC 110 and PHYSIC 111. See a counselor for details.

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Identify the basic areas of Chemistry that are appropriate to each Chemistry course. This content will allow students to continue in successive Chemistry courses, as well as relate the knowledge for matriculation and life-long learning.
- Comprehend and use laboratory skills in synthetic, quantitative and instrumental methods as scientific approaches to gathering and verifying knowledge.
- Demonstrate critical thinking in Chemistry including interpretation, evaluation, explanation and critical inquiry; how to ask appropriate questions, gather relevant information efficiently and creatively, sort through this information, reason logically from this information and come to reliable and trustworthy conclusions.
- Collect, analyze and articulate results clearly and effectively in speech and in writing in an acceptable style of presentation.

Child Development (CD)

Department: Human Development
 Faculty Chair: Meridyth McLaren, M.S.
 Faculty: Meridyth McLaren, M.S.

Associate in Science in Early Childhood Education for Transfer (AS-T) Degree

The Associate in Science-Transfer (AS-T) degree in Early Childhood Education at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Early Childhood Education or a related field of study.

Major/Program Requirements

Required Courses:

CD 105	Child Growth and Development	3.00
CD 126	Child, Family and Community	3.00
CD 112	Principles and Practices in Early Childhood Education	3.00
CD 132	Introduction to Curriculum	3.00
CD 212	Observation and Methods in Early Child Development	3.00
CD 205	Child Development Practicum	4.00
CD 115	Health, Welfare and Nutrition for Children	3.00
CD 182	Teaching in a Diverse Society	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Associate in Arts in Elementary Teacher Education for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Elementary Teacher Education at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in liberal studies or a related field of study.

Major/Program Requirements

Required Courses:

CD 105	Child Growth and Development	3.00
CD 295	Elementary Laboratory	3.00
EDU 290	Introduction to Education	3.00

Required General Education Courses:

ENGL 101 or ENGL 101H	Freshman Composition	4.00
COMMST 100 or COMMST 100H	Elements of Public Speaking	3.00
BIOL 100	General Biology	4.00
CHEM 101	Introduction to Chemistry	4.00
PHYSIC 100	Introduction to Physics	4.00
ENGL 152 or ENGL 152H	Intermediate Composition and Literature	4.00
HIST 100 or HIST 100H	History of the United States to 1877	3.00

HIST 170 or HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
GEOG 120	World Regional Geography	3.00
POLIT 100 or POLIT 100H	American Politics	3.00

Students must complete at least three (3) units from the following courses:

COMMST 125 or COMMST 125H	Critical Thinking through Argumentation and Debate	3.00
ENGL 102 or ENGL 102H	Intermediate Composition and Critical Thinking	4.00

Students must also complete the following seven (7) units:

GEOL 140	Earth Science	3.00
GEOL 141	Earth Science Laboratory	1.00
MATH 106	Mathematical Concepts for Elementary School Teachers - Number Systems	3.00

Students must complete at least three (3) additional units from the following courses:

MUSIC 120 or MUSIC 120H	Appreciation of Musical Literature	3.00
THART 100 or THART 100H	Introduction to Theatre	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Child Development - Associate of Arts Degree

The Associate of Arts degree in Child Development is designed to prepare professionals to teach in an early learning environment such as preschool. This degree can also assist in preparation to teach in primary and intermediate grades.

Major/Program Requirements

Required Courses:

CD 105	Child Growth and Development	3.00
CD 112	Principles and Practices in Early Childhood Education	3.00
CD 115	Health, Welfare and Nutrition for Children	3.00
CD 126	Child, Family and Community	3.00
CD 132	Introduction to Curriculum	3.00
CD 182	Teaching in a Diverse Society	3.00
CD 205	Child Development Practicum	4.00
CD 212	Observation and Methods in Early Child Development	3.00

Recommended Courses:

CD 100	Introduction to Child Development	3.00
CD 101	Family Interactions	3.00
CD 130	Music and Movement for Children	3.00
CD 131	Developmental Art for Children	3.00
CD 133	Creative Science and Math Activities for Children	3.00
CD 134	Language and Listening, Literacy and Literature for Children	3.00

CD 136	Creative Art Activities for Children	3.00
CD 137	Play and Materials in Early Learning	3.00
CD 185	Infant/Toddler Growth and Development	3.00
CD 186	Infant/Toddler Activities	3.00
CD 211	Observation and Methods in School-Age Development	3.00
CD 244	Children with Special Needs	3.00
CD 250	Child Guidance and Early Learning	3.00
CD 270	Mentor Teacher/Adult Supervision	2.00
CD 271	Administration: Management and Organization of Child Development Program	3.00
CD 272	Administration: Human Relations in Child Development Programs	3.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Integrate understanding of the needs, the characteristics and multiple influences on development of children birth to age eight as related to high-quality care and education of young children
- Design, implement and evaluate environments and activities that support positive, development all play and learning outcomes for all young children
- Apply effective guidance and interaction strategies that support all children's' social learning, identity and self-confidence
- Develop strategies that promote partnerships between programs, teachers, families and their communities
- Demonstrate ethical standards and professional behaviors that deepen understanding, knowledge and commitment to the EC/CD profession

Associate Teacher Certificate

The objective of this certificate is to provide students with the coursework, knowledge and skills necessary for employment in an early childhood program. Completion of this certificate also qualifies the student for the Associate Teacher Permit issued by the CA Commission on Teacher Credentialing.

Completion of the following 16 units qualifies the student for the Associate Teacher Certificate as well as the Associate Teacher Permit issued by the CA Commission on Teacher Credentialing.

Major/Program Requirements

Required Courses:

CD 105	Child Growth and Development	3.00
CD 126	Child, Family and Community	3.00
CD 132	Introduction to Curriculum	3.00
CD 205	Child Development Practicum	4.00
CD 212	Observation and Methods in Early Child Development	3.00

A student receiving a degree/certificate in this field will be able to:

- Meet Title 22 and Title 5 requirements for employment as a fully qualified teacher,
- Qualify for the CD Associate Teacher permit,
- Design, implement and evaluate environments and activities that support positive, developmentally appropriate play and learning.

Note: Students should be advised that certificate requirements differ from the State Child Development Permit Matrix Qualifications. See the Child Development and Education department for State licensing requirements and more information.

Master Teacher Certificate

The objective of this certificate is to provide students with the knowledge and skills necessary to teach with a specialization in a preschool or other early learning program.

Completion of the following 36.00 units qualifies the student for the Master Teacher Certificate.

Major/Program Requirements

Required Courses:

CD 105	Child Growth and Development	3.00
CD 112	Principles and Practices in Early Childhood Education	3.00
CD 126	Child, Family and Community	3.00
CD 132	Introduction to Curriculum	3.00
CD 205	Child Development Practicum	4.00
CD 270	Mentor Teacher/Adult Supervision	2.00

Students must complete at least six (6) units from one of the following areas of specialization:

Music Specialization

CD 130	Music and Movement for Children	3.00
MUSIC 100	Fundamental Skills in Music	3.00

Art Specialization

CD 131	Developmental Art for Children	3.00
CD 136	Creative Art Activities for Children	3.00

Language and Literacy Specialization

CD 134	Language and Listening, Literacy and Literature for Children	3.00
ENGL 155 or ENGL 155H	Children's Literature	3.00

Infant/Toddler Specialization

CD 185	Infant/Toddler Growth and Development	3.00
CD 186	Infant/Toddler Activities	3.00

Special Needs Specialization

CD 244	Children with Special Needs	3.00
ASL 101	American Sign Language I	4.00

Students must complete at least twelve (12) additional units not included in their selected specialization from the following courses:

CD 100	Introduction to Child Development	3.00
CD 101	Family Interactions	3.00
CD 115	Health, Welfare and Nutrition for Children	3.00
CD 130	Music and Movement for Children	3.00

CD 131	Developmental Art for Children	3.00
CD 133	Creative Science and Math Activities for Children	3.00
CD 134	Language and Listening, Literacy and Literature for Children	3.00
CD 136	Creative Art Activities for Children	3.00
CD 137	Play and Materials in Early Learning	3.00
CD 182	Teaching in a Diverse Society	3.00
CD 185	Infant/Toddler Growth and Development	3.00
CD 186	Infant/Toddler Activities	3.00
CD 212	Observation and Methods in Early Child Development	3.00
CD 244	Children with Special Needs	3.00

A student receiving a certificate in this field will be able to:

- Exceed the Title 22 requirements for Teacher level employment in private sector programs
- Meet Title 5 requirements for Teacher level employment in funded programs when adding 16 specified units of General Education
- Design, implement and evaluate environments that support positive developmental play and learning
- Design, implement and evaluate activities that support positive developmental plan and learning outcomes for young children

Note: Students should be advised that certificate requirements differ from State Child Development Permit Qualifications. See the Child Development and Education department for State licensing requirements and more information.

Site Supervisor Certificate

The objective of this certificate is to provide students with the knowledge and skills necessary to work as a site supervisor in an early childhood education program.

Completion of the following 36.00 units qualifies the student for the Site Supervisor Certificate. To qualify for the Site Supervisor Permit issued by the CA Commission on Teacher Credentialing, the student must complete additional GE units and experience requirements.

Major/Program Requirements

Required Courses:

CD 105	Child Growth and Development	3.00
CD 112	Principles and Practices in Early Childhood Education	3.00
CD 115	Health, Welfare and Nutrition for Children	3.00
CD 126	Child, Family and Community	3.00
CD 132	Introduction to Curriculum	3.00
CD 182	Teaching in a Diverse Society	3.00
CD 205	Child Development Practicum	4.00
CD 212	Observation and Methods in Early Child Development	3.00
CD 250	Child Guidance and Early Learning	3.00
CD 270	Mentor Teacher/Adult Supervision	2.00

CD 271	Administration: Management and Organization of Child Development Program	3.00
CD 272	Administration: Human Relations in Child Development Programs	3.00

A student receiving a certificate in this field will be able to:

- Qualify to work as a site supervisor in private preschool programs
- Qualify to work as a director in private programs
- Qualify to work in a funded programs as a site supervisor when adding General Education
- Design, implement and evaluate environments that support positive, developmental play and learning
- Design, implement and evaluate activities that support positive developmental plan and learning outcomes for young children
- Develop strategies that promote partnerships between programs, families and community
- Apply ethical standards and professional behaviors that deepen understanding, knowledge and commitment to the Child Development profession

Note: Students should be advised that certificate requirements differ from State Child Development Permit Qualifications. See the Child Development and Education department for State licensing requirements and more information.

Teacher Certificate

The objective of this certificate is to provide students with the knowledge and skills necessary to create and facilitate high quality early learning environments that promote optimal child development.

Completion of the following 28 units qualifies the student for the Teacher Certificate. Upon completion of this coursework, plus additional GE units and field experience OR the completion of the AA Degree in Child Development, the student will qualify for the Child Development Permit issued by the CA Commission on Teacher Credentialing.

Major/Program Requirements

Required Courses:

CD 105	Child Growth and Development	3.00
CD 112	Principles and Practices in Early Childhood Education	3.00
CD 115	Health, Welfare and Nutrition for Children	3.00
CD 126	Child, Family and Community	3.00
CD 132	Introduction to Curriculum	3.00
CD 182	Teaching in a Diverse Society	3.00
CD 205	Child Development Practicum	4.00
CD 212	Observation and Methods in Early Child Development	3.00
	AND	
CD 250	Child Guidance and Early Learning	3.00

A student receiving a certificate in this field will be able to:

- Exceed the Title 22 requirements for Teacher level employment in private sector programs

- Meet Title 5 requirements for teacher level employment in funded programs when adding 16 specified units of General Education
- Design, implement and evaluate environments that support positive developmental play and learning
- Design, implement and evaluate activities that support positive developmental plan and learning outcomes for young children

Note: Students should be advised that certificate requirements differ from State Child Development Permit Qualifications. See the Child Development and Education department for State licensing requirements and more information.

Communication Studies (COMMST)

Department: Communication & Language

Faculty Chair: Breanna Andrews, M.A. & Rick Hogrefe, M.A.

Faculty: Rick Hogrefe, M.A. & James Urbanovich, M.A., M.P.T.

Associate in Arts in Communication Studies for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Communication Studies at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in a communication-related field of study.

Major/Program Requirements

Required Courses:

COMMST 100 or COMMST 100H	Elements of Public Speaking	3.00
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Students must complete at least six (6) units from the following courses:

COMMST 111 or COMMST 111H	Interpersonal Communication	3.00
COMMST 125 or COMMST 125H	Critical Thinking through Argumentation and Debate	3.00
COMMST 140	Small Group Communication	3.00

Students must complete at least six (6) additional units from the following courses:

COMMST 111 or COMMST 111H	Interpersonal Communication	3.00
COMMST 120 or COMMST 120H	Oral Interpretation of Literature	3.00
COMMST 125 or COMMST 125H	Critical Thinking through Argumentation and Debate	3.00
COMMST 135 or JOUR 135	Mass Communication in Society	3.00
COMMST 140	Small Group Communication	3.00
COMMST 174	Communication in a Diverse World	3.00

Students must complete at least three (3) additional units from the following courses:

ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
COMMST 120 or COMMST 120H	Oral Interpretation of Literature	3.00
COMMST 135 or JOUR 135	Mass Communication in Society	3.00
COMMST 174	Communication in a Diverse World	3.00
ENGL 120 or JOUR 120	Fundamentals of News Writing	3.00
PSYCH 100 or PSYCH 100H	General Psychology	3.00
SOC 100 or SOC 100H	Introduction to Sociology	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Communication - Associate of Arts Degree

Major/Program Requirements

Required Courses:

COMMST 100 or COMMST 100H	Elements of Public Speaking	3.00
COMMST 111 or COMMST 111H	Interpersonal Communication	3.00
	AND	
COMMST 125 or COMMST 125H	Critical Thinking through Argumentation and Debate	3.00
	OR	
COMMST 140	Small Group Communication	3.00

Students must complete at least nine (9) additional units from the following courses:

COMMST 101	Advanced Public Speaking	3.00
COMMST 110 or THART 110	Voice and Diction	3.00
COMMST 120 or COMMST 120H	Oral Interpretation of Literature	3.00
COMMST 125 or COMMST 125H	Critical Thinking through Argumentation and Debate	3.00
COMMST 135 or JOUR 135	Mass Communication in Society	3.00
COMMST 145 or BUSAD 145	Business Communication	4.00
COMMST 155 or BUSAD 155	Human Relations in the Workplace	3.00
COMMST 140	Small Group Communication	3.00
COMMST 174	Communication in a Diverse World	3.00
COMMST 246A	Special Studies in Communication	1.00
COMMST 246B	Special Studies in Communication	1.00
COMMST 246C	Special Studies in Communication	1.00
COMMST 246D	Special Studies in Communication	1.00
COMMST 247A	Special Studies in Communication	2.00
COMMST 247B	Special Studies in Communication	2.00
COMMST 247C	Special Studies in Communication	2.00
COMMST 248A	Special Studies in Communication	3.00
COMMST 248B	Special Studies in Communication	3.00
ENGL 120 or JOUR 120	Fundamentals of News Writing	3.00
ENGL 170	The Film Experience	3.00
MARKET 110	Advertising	3.00
SOC 130	Marriage, Family and Intimate Relationships	3.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

Computer Information Systems (CIS)

Department: Business, Economics & Information Technology

Faculty Chair: Margaret Yau, M.S.

Faculty: Denise Allen M.A., Margaret Yau, M.S.

Lab Technician: Corey Johnson

Computer Information Systems - Associate of Science Degree

Major/Program Requirements

Required Courses:

CIS 095	Employability Skills for Technical Careers	2.00
CIS 101 or BUSAD 230	Introduction to Computer and Information Technology	3.00
CIS 130	Hardware and Information Technology	3.00
CIS 140	Introduction to Networks (Cisco CCNA 1)	4.00

One of the following courses:

CIS 104	Object Oriented Programming with Visual Basic	3.00
CIS 111	Web Page Programming and Design	3.00
CIS 113	Java Programming	3.00
CIS 114	C++ Programming I	3.00
CSCI 110	Introduction to Computer Science I	3.00

Students must select **ONE** area of emphasis from the following three options:

Emphasis in Programming:

Students must complete at least twelve (12) additional units from the following courses:

CIS 104	Object Oriented Programming with Visual Basic	3.00
CIS 105	Database Concepts and Design	3.00
CIS 113	Java Programming	3.00
CIS 114	C++ Programming I	3.00
	OR	
CSCI 110	Introduction to Computer Science I	3.00
CIS 116	C++ Programming II	3.00
	OR	
CSCI 120	Introduction to Computer Science II	3.00
CIS 117	Scripting	3.00
CIS 121	Android Application Development	3.00
CIS 125	Introduction to C#.net Programming	3.00
CIS 190D	Software Development Internship	1.00-3.00
MATH 102	College Algebra	4.00
	OR	

Emphasis in Web Design:

Students must complete at least twelve (12) additional units from the following courses:

CIS 111	Web Page Programming and Design	3.00
CIS 117	Scripting	3.00
CIS 161	Website Design and Programming Using Dreamweaver	3.00
CIS 162	Introduction to Flash	3.00
CIS 163	Adobe Photoshop	3.00
	OR	
CIS 180	Computer Graphics with Adobe Illustrator	1.00-3.00
CIS 190A	Web Master Internship	3.00
CIS 211	Cascading Style Sheet (CSS) Web Design	3.00
	OR	

Emphasis in Computer Assisted Graphic Design:

Students must complete at least twelve (12) additional units from the following courses:

CIS 162	Introduction to Flash	3.00
CIS 163	Adobe Photoshop	3.00
CIS 165	Introduction to 3D Modeling and Animation	3.00
CIS 166	Advanced 3D Modeling and Animation	3.00
CIS 180	Computer Graphics with Adobe Illustrator	1.00-3.00
CIS 182	Desktop Publishing with Adobe Indesign	1.00-3.00
CIS 184	Photoshop and Digital Photography	3.00
CIS 190E	Digital Media Design Internship	1.00-3.00
ART 120	Foundations of Two-Dimensional Design	3.00

Emphasis in Systems and Network Administration:

Students must complete at least twelve (12) additional units from the following courses:

CIS 109	Operating Systems and Environments	3.00
CIS 132	Systems and Network Administration	3.00
CIS 134	Introduction to Information Systems Security	3.00
CIS 141	Basic Routing and Switching (Cisco CCNA 2)	4.00
CIS 142	Advanced Routing and Switching (CISCO CCNA 3)	4.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Apply analytical and logical thinking to gathering and analyzing information, designing and testing solutions to problems, and formulating plans
- Discuss the impact of information technology on society and the workplace
- Work collaboratively in a team setting

- Select and evaluate appropriate written communication strategies and styles for a specific purpose
- Demonstrate knowledge of individual parts that make up a stand-alone PC computer system, and the relationships between components
- Create and maintain Web pages
- Demonstrate an understanding of the overall design and components of a LAN and WAN system

Cisco Certified Network Associate Certificate

The objective of this certificate is to provide students the knowledge and skills necessary to prepare for the Cisco Certified Network Associate (CCNA) Certification Examination. Satisfactory passing of the exam will lead to employment in entry-level positions in the small office and/or home office (SOHO) market. The CCNA Certificate indicates the ability to work in small businesses or organizations using networks that have fewer than 100 nodes. The certificate holder is able to install and configure Cisco switches and routers in multi-protocol interworking using LAN and WAN interfaces, can provide Level 1 troubleshooting service, can improve network performance and security, and can perform entry-level task in the planning, design, installation, operations, and troubleshooting of Ethernet and TCP/IP networks.

Completion of the following 16.00 units qualifies the student for the Cisco Certified Network Associate Certificate.

Major/Program Requirements

Required Courses:

CIS 140	Introduction to Networks (Cisco CCNA 1)	4.00
CIS 141	Basic Routing and Switching (Cisco CCNA 2)	4.00
CIS 142	Advanced Routing and Switching (CISCO CCNA 3)	4.00
CIS 143	WAN Technologies and Network Services (CISCO CCNA 4)	4.00

A student receiving a degree/certificate in this field will be able to:

- Work collaboratively on a team project
- Effectively listen and ask critical questions to identify customer requests, issues and concerns
- Apply analytical and logical thinking to gathering and analyzing information, designing and testing solutions to problems, and formulating plans
- Install, configure, operate and troubleshoot simple- switched Local Area, simple-routed Wide Area Networks
- Install, configure a router, manage router IOS software, configure routing protocols, and create access lists controlling router access
- Complete a comprehensive case study incorporating single-area OSPF, RIPv2, static routes, VLANs and 802.q trunking, Frame Relay, VLSM, DHCP, NAT and access control lists on the appropriate routers and interfaces

Computer Assisted Graphic Design Certificate (CIS)

The objective of this certificate is to provide students the knowledge and skills necessary for employment in entry-level positions in the field of Computer Assisted Graphic Design. The certificate indicates student

knowledge of the software, theory, and abilities required to pursue a career in Computer Assisted Graphic Design.

Completion of the following 18.00 units qualifies the student for the Computer Assisted Graphic Design Certificate.

Major/Program Requirements

Required Courses:

ART 120	Foundations of Two-Dimensional Design	3.00
ART 124	Drawing I	3.00
CIS 163	Adobe Photoshop	3.00
CIS 165	Introduction to 3D Modeling and Animation	3.00
CIS 180	Computer Graphics with Adobe Illustrator	1.00-3.00
CIS 182	Desktop Publishing with Adobe Indesign	1.00-3.00

Recommended Courses:

CIS 166	Advanced 3D Modeling and Animation	3.00
CIS 184	Photoshop and Digital Photography	3.00

A student receiving a certificate in this field will be able to:

- Define and use the tools and skills needed to create drawings and graphics for a wide range of applications
- Work collaboratively on a team project
- Define and use the terminology of drawing and graphic design
- Demonstrate an understanding of legal, ethical, and moral issues of media communication
- Work within the media copyright and legal regulatory environment
- Appropriately select and evaluate visual communication strategies and styles for a specific purpose

Computer Information Systems Certificate

The objective of this certificate is to provide students the knowledge and skills necessary to prepare for employment in entry-level positions in the field of Computer Information Systems. The certificate indicates that the student has acquired knowledge of the different aspects of information technology including programming, hardware, networking, databases, and web design.

Completion of the following 28.00 units qualifies the student for the Computer Information Systems Certificate.

Major/Program Requirements

Required Courses:

CIS 101 or BUSAD 230	Introduction to Computer and Information Technology	3.00
CIS 104	Object Oriented Programming with Visual Basic	3.00
	OR	
CIS 113	Java Programming	3.00
	OR	
CIS 114	C++ Programming I	3.00
	OR	
CSCI 110	Introduction to Computer Science I	3.00

CIS 111	Web Page Programming and Design	3.00
CIS 130	Hardware and Information Technology	3.00
CIS 140	Introduction to Networks (Cisco CCNA 1)	4.00

Students must complete at least twelve (12) additional units from the following courses:

CIS 104	Object Oriented Programming with Visual Basic	3.00
CIS 113	Java Programming	3.00
CIS 114	C++ Programming I	3.00
	OR	
CSCI 110	Introduction to Computer Science I	3.00
CIS 116	C++ Programming II	3.00
	OR	
CSCI 120	Introduction to Computer Science II	3.00
CIS 141	Basic Routing and Switching (Cisco CCNA 2)	4.00
CIS 161	Website Design and Programming Using Dreamweaver	3.00
CIS 163	Adobe Photoshop	3.00
CIS 211	Cascading Style Sheet (CSS) Web Design	3.00

IT Technician Certificate

This certificate is designed to prepare students for entry-level positions as information technology (IT) help desk / user support technicians.

Major/Program Requirements

Required Courses:

CIS 109	Operating Systems and Environments	3.00
CIS 132	Systems and Network Administration	3.00
CIS 134	Introduction to Information Systems Security	3.00
CIS 140	Introduction to Networks (Cisco CCNA 1)	4.00

Programming Certificate

The objective of this certificate is to provide students with the knowledge and skills necessary for employment in entry-level positions in the field of computer programming or to continue to pursue a four-year degree in Computer Information Systems or Computer Science. The Programming Certificate indicates the student has acquired knowledge of computer programming including basic language structures, syntax, debugging, and application development.

Completion of the following 15.00 units qualifies the student for the Programming Certificate.

Major/Program Requirements

Required Courses:

CIS 114	C++ Programming I	3.00
	OR	
CSCI 110	Introduction to Computer Science I	3.00

CIS 116	C++ Programming II	3.00
	OR	
CSCI 120	Introduction to Computer Science II	3.00

Students must complete at least nine (9) additional units from the following courses:

CIS 095	Employability Skills for Technical Careers	2.00
CIS 104	Object Oriented Programming with Visual Basic	3.00
CIS 105	Database Concepts and Design	3.00
CIS 111	Web Page Programming and Design	3.00
CIS 113	Java Programming	3.00
CIS 117	Scripting	3.00
CIS 121	Android Application Development	3.00
CIS 125	Introduction to C#.net Programming	3.00
CIS 190D	Software Development Internship	1.00-3.00
MATH 102	College Algebra	4.00

A student receiving a certificate in this field will be able to:

- Demonstrate the ability to write, compile, debug and execute well engineered and maintainable computer programs using a variety of programming languages that effectively meet the application requirements
- Demonstrate the ability to develop and apply systematic debugging and testing processes
- Demonstrate the ability to work collaboratively in a team environment
- Demonstrate the ability to explain and apply the necessary processes, tools and skills used in application development
- Demonstrate the ability to communicate effectively in technical and business environments

Web Design Certificate

The objective of this certificate is to provide students the knowledge and skill necessary for employment in entry-level positions in the field of Web Design. The certificate indicates that the student has acquired knowledge of Web page design and development with an emphasis on graphic and visual elements and the Web-specific Adobe Creative Suite applications.

Completion of the following 15 units qualifies the student for the Web Design Certificate.

Major/Program Requirements

Required Courses:

CIS 111	Web Page Programming and Design	3.00
CIS 161	Website Design and Programming Using Dreamweaver	3.00
CIS 162	Introduction to Flash	3.00
CIS 163	Adobe Photoshop	3.00
CIS 211	Cascading Style Sheet (CSS) Web Design	3.00

Recommended Courses:

CIS 180	Computer Graphics with Adobe Illustrator	1.00-3.00
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A student receiving a certificate in this field will be able to:

- Demonstrate the ability to work collaboratively on a team project

- Effectively listen and ask critical questions to identify customer requests, issues and concerns
- Apply analytical and logical thinking to gathering and analyzing information, designing and testing solutions to problems, and formulating plans
- Design and create a web site to meet the needs of a client

Computer Science (CSCI)

Department: Business, Economics & Information Technology

Faculty Chair: Margaret Yau, M.S.

Faculty: Denise Allen M.A., Margaret Yau, M.S.

Lab Technician: Corey Johnson

Associate in Science in Computer Science for Transfer (AS-T) Degree

The Associate in Science-Transfer (AS-T) degree in Computer Science at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in a Computer Science related field of study.

Major/Program Requirements

Required Courses:

CSCI 110	Introduction to Computer Science I	3.00
CSCI 120	Introduction to Computer Science II	3.00
CSCI 200 or MATH 200	Discrete Structures	4.00
CSCI 240	Computer Organization and Assembly Language Programming	3.00
MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00
PHYSIC 250	College Physics I	4.00
PHYSIC 251	College Physics II	4.00

IGETC is the only approved general education pattern for this degree. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC). See a counselor for details. Information is also available at www.assist.org.

Computer Science-Associate of Science

Major/Program Requirements

Required Courses:

The Associate of Science degree in Computer Science at Crafton Hills College is designed to meet the needs of students transferring to a four-year university who intend to major in Computer Science or a related field of study

CSCI 110	Introduction to Computer Science I	3.00
CSCI 120	Introduction to Computer Science II	3.00
CSCI 200 or MATH 200	Discrete Structures	4.00
CSCI 230	Introduction to Data Structures and Algorithms	3.00
CSCI 240	Computer Organization and Assembly Language Programming	3.00
MATH 250	Single Variable Calculus I	4.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

Emergency Medical Services (EMS)

Department: Public Safety & Services

Faculty Chair: Daniel Sullivan, B.S.

Faculty: Kathy Crow, B.V.E., Laurie Green, James Holbrook, Ed.D.,
Chantae Wilson, B.S., Daniel Word, B.V.E.

Lab Technician: David Aten, A.S.

Emergency Medical Services - Associate of Science Degree

NOTE: Prior to starting this degree the student must show proof of a clear criminal background check.

Consult with a counselor to develop an appropriate course of study. Candidates must successfully complete a minimum of 39.00 units of prescribed course work. A minimum grade of "C" must be maintained in all course work related to Emergency Medical Services. A "C" in these courses is considered to be 80% or higher.

Major/Program Requirements

Required Courses:

EMS 150	Patient Assessment for Paramedics	3.00
EMS 151	Introduction to EMS for Paramedics	2.00
EMS 152	Cardiology for the Paramedic	4.50
EMS 153	Pharmacology for the EMT-Paramedic	3.00
EMS 154	Emergency Medical Services Theory for the Paramedic	8.00
EMS 155	Skills Development for Paramedics	3.00
EMS 156	Clinical Externship for the Paramedic	3.50
EMS 157	Field Externship for the Paramedic	12.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

Emergency Medical Technician - I Certificate

The objective of this certificate is to train students to perform life support in the pre-hospital setting. Successful completion of the certificate program identifies the student has met the educational requirements as an Emergency Medical Technician-Basic. This is a state certificate program.

NOTE: Prior to starting this program the student must show proof of a clear criminal background check.

Admission: Open to all students who meet the age and physical requirements. Registration is limited to class size restrictions.

Major/Program Requirements

Required Courses:

EMS 020	Emergency Medical Technician	6.00
EMS 021	Preventing Disease Transmission for Emergency Medical Technician	0.50

EMS 022	Basic Life Support for Emergency Medical Technician-EMT	0.50
EMS 023	Hazardous Materials First Responder Awareness for Emergency Medical Technician-I/EMT-Basic	0.50

A student receiving a certificate in this field will be able to:

- Evaluate, treat and transport the ill and injured
- Effectively use adjunctive airway breathing aids
- Administer and monitor medications
- Demonstrate competency in assessing and treating patients with medical or trauma emergencies at a basic level
- Participate in a culturally diverse environment

Emergency Medical Technician – Paramedic Certificate

The objective of this certificate is to train students with the necessary cognitive, psychomotor, and affective behaviors to provide advanced life support in the pre-hospital setting and to provide the necessary coursework to be licensed in the state of California. Completion of the certificate will prepare students for entry-level employment as Emergency Medical Technician-Paramedic and other occupations requiring Paramedic-level license.

NOTE: Prior to starting this program the student must show proof of a clear criminal background check.

Contact the Emergency Medical Services Office for application materials.

Candidates must successfully complete a minimum of 39.00 units of prescribed course work. A minimum grade of "C" must be maintained in all course work related to Emergency Medical Services. A "C" in these courses is considered to be 80% or higher.

Entrance Requirements:

1. Current, CA EMT-Basic Certification
2. Must meet the age, physical and licensure requirements
3. Minimum of six months full-time experience or 1000 hours of part-time EMS experience
4. ANAT 101 or ANAT 150 and ANAT 151 or CSU transferable equivalent
5. High school diploma or GED
6. Current negative TB test within six months or chest x-ray within two years
7. Tetanus-diphtheria (T-D) booster within the last ten years
8. Completion of Hepatitis B immunization series or titer showing immunity
9. Completion of varicella (chickenpox) vaccination or titer showing immunity
10. MMR titer showing immunity or proof of MMR immunization
11. Physical examination within the last six months; must be performed by a physician or nurse practitioner and must include

a statement that you “are free to participate in the Paramedic Program without restriction.”

Entrance Competencies:

1. Reading level of 12th grade or higher
2. Math proficiency level of 10th grade or higher
3. Written EMT-Basic competency of 80 percent or higher
4. Written anatomy and physiology competency of 80 percent or higher
5. Oral judgment of simulated field situations of 80 percent or higher
6. Eligible to be licensed/accredited by state and local EMS agency

In order to be eligible for licensure as a paramedic in the state of California, students must complete the following 33.00 units, pass National Registry written and skills examinations, and meet all other licensure requirements established by the state.

Major/Program Requirements

Required Courses:

EMS 150	Patient Assessment for Paramedics	3.00
EMS 151	Introduction to EMS for Paramedics	2.00
EMS 152	Cardiology for the Paramedic	4.50
EMS 153	Pharmacology for the EMT-Paramedic	3.00
EMS 154	Emergency Medical Services Theory for the Paramedic	8.00
EMS 155	Skills Development for Paramedics	3.00
EMS 156	Clinical Externship for the Paramedic	3.50
EMS 157	Field Externship for the Paramedic	12.00

A student receiving a degree/certificate in this field will be able to:

- Draw inferences and conclusions that are logical and supported by evidence
- Recognize how environments influence opinion, reaction to stress and judgement
- Communicate effectively verbally and in writing
- Apply knowledge to analysis of specific problems
- Solve problems and makes decisions

Mobile Intensive Care Nurse Certificate

The objective of this certificate is to prepare experienced emergency room nurses in San Bernardino and Riverside Counties to interact via two-way radio communication with paramedics to assist in directing the care of patients in the pre-hospital setting.

Admission: Open to students possessing a current California Registered Nurse License who have completed the following entrance requirements

Contact the Emergency Medical Services Office for application materials.

Completion of the following 2.50 units and satisfactory completion of County requirements qualify the student for the Mobile Intensive Care Nurse Certificate.

Candidates must successfully complete a minimum of 2.50 units of prescribed course work. A minimum grade of "C" or better must be maintained in all required courses. A "C" in these courses is considered to be 80% or higher.

Entrance Requirements:

1. EMS 110, Advanced Cardiac Life Support – Provider (ACLS) or have a current ACLS card
2. One year experience as a registered nurse
3. Have 800 hours experience as a registered nurse in the Emergency Department
4. Proof of a cardiac dysrhythmia course
5. Current employment in a base station hospital in San Bernardino or Riverside County
6. Ability to complete a written screening examination with 80 percent accuracy

Major/Program Requirements

Required Courses:

EMS 103	Mobile Intensive Care Nurse	2.5
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Economics (ECON)

Department: Business, Economics & Information Technology

Faculty Chair: Margaret Yau, M.S.

Faculty: Farhad Mansourian, M.A.

(IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Associate in Arts in Economics for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Economics at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Economics or a related field of study.

Major/Program Requirements

Required Courses:

ECON 200 or ECON 200H	Principles of Macroeconomics	3.00
ECON 201 or ECON 201H	Principles of Microeconomics	3.00
MATH 110	Introduction to Probability and Statistics	4.00
	OR	
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00
MATH 250	Single Variable Calculus I	4.00
	OR	
MATH 141	Calculus for Business	4.00

Students must complete at least three (3) additional units from the following courses:

MATH 102	College Algebra	4.00
MATH 160	Precalculus	4.00
MATH 251	Single Variable Calculus II	4.00
ACCT 208	Introduction to Financial Accounting	4.00
ACCT 209	Introduction to Managerial Accounting	4.00
CIS 101 or BUSAD 230	Introduction to Computer and Information Technology	3.00
BUSAD 145 or COMMST 145	Business Communication	4.00

Students must complete at least an additional three (3) units from the following courses:

MATH 102	College Algebra	4.00
MATH 160	Precalculus	4.00
MATH 251	Single Variable Calculus II	4.00
MATH 252	Multivariable Calculus	5.00
MATH 265	Linear Algebra	4.00
ACCT 208	Introduction to Financial Accounting	4.00
ACCT 209	Introduction to Managerial Accounting	4.00
CIS 101 or BUSAD 230	Introduction to Computer and Information Technology	3.00
BUSAD 145 or COMMST 145	Business Communication	4.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring

English (ENGL)

Department: English & Reading

Faculty Chair: Robert Brown, Ed.D.

Faculty: Jonathan Anderson, M.A., Ryan Bartlett, M.F.A., Robert Brown, Ed.D., Susana de la Pena, Ph.D., Gwendolyn DiPonio, M.A., Liz Langenfeld, M.A., Ted Phillips, Ed.D

Associate in Arts in English for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in English at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in English, English literature, creative writing or a related field of study.

Major/Program Requirements

Required Courses:

ENGL 102 or ENGL 102H	Intermediate Composition and Critical Thinking	4.00
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Students must complete at least six (6) units from the following courses:

ENGL 260	Survey of American Literature I	3.00
ENGL 261	Survey of American Literature II	3.00
ENGL 270	Survey of British Literature I	3.00
ENGL 271	Survey of British Literature II	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00

Students must complete at least six (6) additional units from the following courses:

ENGL 152 or ENGL 152H	Intermediate Composition and Literature	4.00
ENGL 232	Creative Writing	3.00
ENGL 260	Survey of American Literature I	3.00
ENGL 261	Survey of American Literature II	3.00
ENGL 270	Survey of British Literature I	3.00
ENGL 271	Survey of British Literature II	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00

Students must complete at least three (3) additional units from the following courses:

ENGL 108 or THART 108	World Drama I	3.00
ENGL 109 or THART 109	World Drama II	3.00
ENGL 120 or JOUR 120	Fundamentals of News Writing	3.00
ENGL 127	Introductory Literary Magazine Production: The Sand Canyon Review	3.00
ENGL 150	Classical Mythology	3.00
ENGL 152 or ENGL 152H	Intermediate Composition and Literature	4.00
ENGL 155 or	Children's Literature	3.00

ENGL 155H		
ENGL 160	Literature by Women	3.00
ENGL 163	Chicano/Latino Literature	3.00
ENGL 170	The Film Experience	3.00
ENGL 175 or RELIG 175	Literature and Religion of the Bible	3.00
ENGL 226 or THART 226	Play and Screenplay Analysis	3.00
ENGL 232	Creative Writing	3.00
ENGL 250	Fiction	3.00
ENGL 260	Survey of American Literature I	3.00
ENGL 261	Survey of American Literature II	3.00
ENGL 270	Survey of British Literature I	3.00
ENGL 271	Survey of British Literature II	3.00
ENGL 275	Shakespeare	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00
ARABIC 101	College Arabic I	5.00
ARABIC 102	College Arabic II	5.00
ARABIC 103	College Arabic III	5.00
ARABIC 104	College Arabic IV	5.00
COMMST 120 or COMMST 120H	Oral Interpretation of Literature	3.00
COMMST 145 or BUSAD 145	Business Communication	4.00
FRENCH 101	College French I	5.00
FRENCH 102	College French II	5.00
FRENCH 103	College French III	5.00
FRENCH 104	College French IV	5.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00
JAPN 101	College Japanese I	5.00
JAPN 102	College Japanese II	5.00
JAPN 103	College Japanese III	5.00
JAPN 104	College Japanese IV	5.00
RUS 101	College Russian I	5.00
RUS 102	College Russian II	5.00
SPAN 101	College Spanish I	5.00
SPAN 102	College Spanish II	5.00
SPAN 103	College Spanish III	5.00
SPAN 104	College Spanish IV	5.00
THART 100 or THART 100H	Introduction to Theatre	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

English - Associate of Arts Degree

Major/Program Requirements

Required Courses:

ENGL 101 or ENGL 101H	Freshman Composition	4.00
ENGL 102 or ENGL 102H	Intermediate Composition and Critical Thinking	4.00
ENGL 152 or ENGL 152H	Intermediate Composition and Literature	4.00

Student must complete at least six (6) units from the following courses:

ENGL 270 and ENGL 271: Recommended for students planning on transferring to California State University, San Bernardino

ENGL 260	Survey of American Literature I	3.00
ENGL 261	Survey of American Literature II	3.00
ENGL 270	Survey of British Literature I	3.00
ENGL 271	Survey of British Literature II	3.00

Student must complete at least six (6) additional units from the following courses:

ENGL 150	Classical Mythology	3.00
ENGL 155 or ENGL 155H	Children's Literature	3.00
ENGL 160	Literature by Women	3.00
ENGL 163	Chicano/Latino Literature	3.00
ENGL 170	The Film Experience	3.00
ENGL 175 or RELIG 175	Literature and Religion of the Bible	3.00
ENGL 232	Creative Writing	3.00
ENGL 250	Fiction	3.00
ENGL 260	Survey of American Literature I	3.00
ENGL 261	Survey of American Literature II	3.00
ENGL 270	Survey of British Literature I	3.00
ENGL 271	Survey of British Literature II	3.00
ENGL 275	Shakespeare	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

Fire Technology (FIRET)

Department: Public Safety & Services

Faculty Chair: Daniel Sullivan, B.S.

Faculty: Mike Alder, B.S., Daniel Sullivan, B.S.

Fire Technology - Associate of Science Degree

Candidates must successfully complete a minimum of 23.50 units of prescribed coursework. A minimum grade of "C" must be maintained in all prescribed coursework related to Fire Technology.

NOTE: A "C" in these courses is considered to be 80% or higher.

Major/Program Requirements

Required Courses:

FIRET 100	Fire Protection Organization	3.00
FIRET 101	Fire Prevention Technology	3.00
FIRET 102	Fire Behavior and Combustion	3.00
FIRET 103	Fire Protection Systems	3.00
FIRET 114	Principles of Fire and Emergency Services Safety and Survival	3.00
FIRET 116	Building Construction for Fire Protection	3.00

A minimum of 5.50 units are to be selected from the following courses:

FIRET 040A	Fire Inspector 1A - Duties & Administration	2.00
FIRET 040B	Fire Inspector 1B: Fire and Life Safety	2.00
FIRET 040C	Fire Inspector 1C: Field Inspection	1.50
FIRET 040D	Fire Inspector 1D: Field Inspection - California Specific	1.00
FIRET 041A	Fire Inspector 2A - Fire Prevention Administration	1.00
FIRET 041B	Fire Inspector 2B - Fire and Life Safety Requirements	1.50
FIRET 041C	Fire Inspector 2C - Inspecting New and Existing Fire & Life Safety Systems and Equipment	1.00
FIRET 041D	Fire Inspector 2D - Hazardous Materials, Operations, and Processes	2.00
FIRET 084	Fire Management 1	2.50
FIRET 085A	Company Officer 2A - Human Resource Management	2.50
FIRET 085B	Company Officer 2B - General Administrative Functions	1.50
FIRET 085C	Company Officer 2C - Fire Inspections and Investigations	2.50
FIRET 085D	Company Officer 2D - All Risk Operations	1.50
FIRET 085E	Company Officer 2E - Wildland Incident Operations	2.00
FIRET 086A	Chief Officer 3A: Human Resource Management	2.00
FIRET 086B	Chief Officer 3B: Budget and Fiscal Responsibilities	1.50
FIRET 086C	Chief Fire Officer 3C: General Administrative Functions	1.50

FIRET 086D	Chief Officer 3D: Emergency Services Delivery Responsibilities	1.50
FIRET 087	Fire Investigation 1A	2.50
FIRET 088	Fire Investigation 1B	2.50
FIRET 088	Fire Investigation 1B	2.50
FIRET 104	Fire Apparatus and Equipment	3.00
FIRET 106	Fire Protection Hydraulics and Water Supply	3.00
FIRET 111	Public Education Officer	2.50
FIRET 112	Fire Control Fire Aircraft Rescue and Firefighting	2.50
FIRET 113	Fire Service Career Preparation	3.00
FIRET 118	Wildland Fire Control	3.00
FIRET 183	Aircraft Accidents	2.50

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

California Fire Officer Training Certificate

The objective of this certificate is to provide students with a wide range of cognitive, affective, and psychomotor skills necessary to become an effective Fire Officer.

Completion of the following 20.00 units may qualify the student to test for the position of First Line Fire Officer by applying to the California Fire Service Training and Education System through the California State Fire Marshal's Office in Sacramento, California. Candidates must successfully complete the prescribed course work with a grade of "C" or better.

Admission: Open to all students. Registration is limited to class size restrictions.

Major/Program Requirements

Required Courses:

FIRET 040A	Fire Inspector 1A - Duties & Administration	2.00
FIRET 040B	Fire Inspector 1B: Fire and Life Safety	2.00
FIRET 040C	Fire Inspector 1C: Field Inspection	1.50
FIRET 040D	Fire Inspector 1D: Field Inspection - California Specific	1.00
FIRET 041A	Fire Inspector 2A - Fire Prevention Administration	1.00
FIRET 041B	Fire Inspector 2B - Fire and Life Safety Requirements	1.50
FIRET 041C	Fire Inspector 2C - Inspecting New and Existing Fire & Life Safety Systems and Equipment	1.00
FIRET 041D	Fire Inspector 2D - Hazardous Materials, Operations, and Processes	2.00
FIRET 080	Fire Instructor 1A	2.5
FIRET 081	Fire Instructor 1B	2.5
FIRET 084	Fire Management 1	2.50
FIRET 085A	Company Officer 2A - Human Resource Management	2.50

FIRET 085B	Company Officer 2B - General Administrative Functions	1.50
FIRET 085C	Company Officer 2C - Fire Inspections and Investigations	2.50
FIRET 085D	Company Officer 2D - All Risk Operations	1.50
FIRET 085E	Company Officer 2E - Wildland Incident Operations	2.00
FIRET 086A	Chief Officer 3A: Human Resource Management	2.00
FIRET 086B	Chief Officer 3B: Budget and Fiscal Responsibilities	1.50
FIRET 086C	Chief Fire Officer 3C: General Administrative Functions	1.50
FIRET 086D	Chief Officer 3D: Emergency Services Delivery Responsibilities	1.50
FIRET 087	Fire Investigation 1A	2.50

Firefighter I Basic Training Academy Certificate

The objective of this certificate is to develop the skills required for Firefighter I Certification and to develop the teamwork skills, attitudes and public service commitment necessary for employment in the fire service. Completion of this certificate may lead to entry-level employment as a firefighter in the public or private sectors. The Firefighter I Basic Training Academy is approved by the California State Fire Marshal's Office as an accredited Regional Training Center.

Admission: Open to all students who have completed the prerequisite courses. Registration is limited to class size restrictions. Contact the Fire Technology program for application materials.

Admission to the Fire Academy will be based on a point system. Applicants earn points for each of the following:

1 point	Completed application delivered to the Crafton Hills College Fire Technology department two months prior to the start date of the Fire Academy
1 point	Successful completion of FIRET 116, Building Construction for Fire Protection or the equivalent
1 point	Successful completion of FIRET 103, Fire Protection Systems or the equivalent
1 point	Successful completion of FIRET 102, Fire Behavior and Combustion or the equivalent
1 point	Successful completion of Principles of FIRET 049, Fire and Emergency Services Safety and Survival or the equivalent
5 points	Successful completion of AS degree in Fire Technology
10 points	Successful interview with the Academy Chief

Major/Program Requirements

Candidates must successfully complete a minimum of (16) sixteen units of prescribed coursework. A minimum grade of "C" must be maintained in all required coursework to remain in the Fire Academy and to receive the Firefighter I Basic Training Academy Certificate.

NOTE: A "C" or better in these courses is considered to be 80% or higher.

Prerequisites:

FIRET 100	Fire Protection Organization	3.00
FIRET 101	Fire Prevention Technology	3.00

EMS 020 or successful completion of the NREMT (National Registry Examination for the Emergency Medical Technician) or currently certified as an EMT in California

Completion of either a "CPAT" (Candidate Physical Ability Test) or the Biddle Physical Agility Test within four months prior to the first day of the academy.

Completion of the Crafton Hills College assessment test.

Note: A degree is accepted in lieu of assessment test results.

Completed Medical Clearance for Firefighters.

Successful interview with the Academy Chief prior to acceptance into the Fire Academy.

Required Courses:

FIRET 049 or KIN/F 049	Basic Firefighter Physical Fitness	2.00
FIRET 115	Firefighter I Basic Training Academy	14.00

Recommended Courses:

ENGL 101 or ENGL 101H	Freshman Composition	4.00
FIRET 902	Firefighter Physical Agility Preparation	3.00
MATH 090	Elementary Algebra	4.00

A student receiving a certificate in this field will be able to:

- Participate successfully in a culturally diverse environment
- Develop effective interpersonal communication skills
- Solve problems and makes decisions inherent to the profession

Fire Inspection Academy Certificate

The objective of this certificate is to provide students with an introduction to fire prevention practices, human relations skills, inspection skills, knowledge of applicable codes and regulations, and a working knowledge of public education. Completion of this certificate program may lead to employment as an entry-level fire inspector or fire safety specialist in the public or private sectors.

Major/Program Requirements

Required Course:

Completion of the following 11.00 units with a grade of "C" or higher qualifies the student to apply for the Fire Inspection Academy Certificate.

FIRET 078	Fire Inspection Academy	11.00
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Recommended Courses:

FIRET 100	Fire Protection Organization	3.00
FIRET 101	Fire Prevention Technology	3.00

Geography (GEOG)

Department: Physical & Biological Sciences

Faculty Chair: Sam Truong, M.D.

Faculty: Richard Hughes, M.S.

Associate in Arts in Geography for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Geography at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Geography or a related field of study.

Major/Program Requirements

Required Courses:

GEOG 102 or GEOG 102H	Cultural Geography	3.00
GEOG 110 or GEOG 110H	Physical Geography	3.00
GEOG 111 or GEOG 111H	Physical Geography Laboratory	1.00

Students must complete at least six (6) units from the following courses:

Required Courses, List A

GEOG 114	Investigations in Weather and Climate	4.00
	OR	
GEOG 115	Elements of Weather and Climate	3.00
GEOG 120	World Regional Geography	3.00
GEOG 126	Geography of California	3.00

Students must complete six (6) additional units from the following courses:

Required Courses, List B

GEOG 100 or GEOL 100H	Physical Geology	4.00
	OR	
GEOL 101 or GEOL 101H	Introduction to Geology	3.00
	AND	
GEOL 160	Geology Laboratory	1.00
GEOG 175	Introduction to Information Mapping	3.00
ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
GEOG 114	Investigations in Weather and Climate	4.00
GEOG 115	Elements of Weather and Climate	3.00
GEOG 120	World Regional Geography	3.00
GEOG 126	Geography of California	3.00

Field experiences including GEOL 170, GEOL 175, GEOL 177, GEOL 180, GEOL 181, GEOL 190, and GEOL 270 are not required to earn the degree but are recommended for students preparing to major in geography at a four year institution.

Prospective transfer students should complete the general education and

lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Geography - Associate of Science Degree

Major/Program Requirements

Required Courses:

GEOG 102 or GEOG 102H	Cultural Geography	3.00
GEOG 110 or GEOG 110H	Physical Geography	3.00
GEOG 111 or GEOG 111H	Physical Geography Laboratory	1.00
GEOL 100 or GEOL 100H	Physical Geology	4.00
	OR	
GEOL 101 or GEOL 101H	Introduction to Geology	3.00
	AND	
GEOL 160	Geology Laboratory	1.00
GEOG 175	Introduction to Information Mapping	3.00

Students must complete at least eight (8) units from the following courses:

GEOG 120	World Regional Geography	3.00
GEOG 126	Geography of California	3.00
ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
ANTHRO 106 or ANTHRO 106H	Biological Anthropology	3.00
CHEM 101	Introduction to Chemistry	4.00
	OR	
CHEM 150 or CHEM 150H	General Chemistry I	5.00
CHEM 151 or CHEM 151H	General Chemistry II	5.00
GEOL 170	Geologic History of the Great Basin	1.00
GEOL 175	Geology of the Eastern Mojave Desert	1.00
GEOL 177	Geology of the High Desert and Western Mojave Desert Region	1.00
GEOL 180	Geology of Joshua Tree National Park	1.00
GEOL 181	Geology of the Anza Borrego Region	1.00
GEOL 190	Geology of the Eastern Sierra Nevada, Northern Section	1.00
GEOL 250	Geology of California	3.00
GEOL 270	Geology of the Eastern Sierra Nevada	1.00
MATH 103	Plane Trigonometry	4.00
POLIT 102	California Politics and Culture	3.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Demonstrate an understanding of the types of plate tectonic boundaries and the typical features associated with those boundaries, such as volcanoes and earthquakes
- Utilize critical thinking skills to interpret, apply and/or evaluate an Earth Science topic, such as the concept of scale
- Students will be able to collect, analyze and interpret information and clearly articulate the results through their writing, speech or other acceptable style of presentation
- Display knowledge in the basic areas of Earth Science that are appropriate to each Earth Science course

Geology (GEOL)

Department: Physical & Biological Sciences

Faculty Chair: Sam Truong, M.D.

Faculty: Richard Hughes, M.S.

The Geology program at Crafton Hills College introduces students to the primary processes, concepts, and theories that pertain to the geological sciences and related fields relevant to geology.

Associate in Science in Geology for Transfer (AS-T) Degree

The Associate in Science-Transfer (AS-T) degree in Geology at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Geology or a related field of study.

Major/Program Requirements

Required Courses:

GEOL 100 or GEOL 100H	Physical Geology	4.00
	OR	
GEOL 101 or GEOL 101H	Introduction to Geology	3.00
	AND	
GEOL 160	Geology Laboratory	1.00
GEOL 112	Historical Geology	4.00
GEOL 150 or GEOL 150H	Contemporary Geology: Hazards, Resources and Environmental Concerns	3.00
CHEM 150 or CHEM 150H	General Chemistry I	5.00
CHEM 151 or CHEM 151H	General Chemistry II	5.00
MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00

Recommended Courses

The following courses and field experiences including GEOL 170, GEOL 175, GEOL 180, GEOL 181, GEOL 190 and GEOL 270 are not required to earn the degree but are recommended for students preparing to major in geology at a four-year institution.

BIOL 100	General Biology	4.00
MATH 252	Multivariable Calculus	5.00
PHYSIC 250	College Physics I	4.00
PHYSIC 251	College Physics II	4.00
PHYSIC 252	College Physics III	4.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org

A student receiving a degree in this field will be able to:

- Demonstrate an understanding of the types of plate tectonic boundaries and the typical features associated with those boundaries, such as volcanoes and earthquakes.
- Utilize critical thinking skills to interpret, apply and/or evaluate an Earth Science topic, such as the concept of scale
- Students will be able to collect, analyze and interpret information and clearly articulate the results through their writing, speech or other acceptable style of presentation
- Display knowledge in the basic areas of Earth Science that are appropriate to each Earth Science course

Geology - Associate of Science Degree

Major/Program Requirements

Required Courses:

GEOL 100 or GEOL 100H	Physical Geology	4.00
	OR	
GEOL 101 or GEOL 101H	Introduction to Geology	3.00
	AND	
GEOL 160	Geology Laboratory	1.00
GEOL 112	Historical Geology	4.00
CHEM 150 or CHEM 150H	General Chemistry I	5.00
CHEM 151 or CHEM 151H	General Chemistry II	5.00
MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00
PHYSIC 250	College Physics I	4.00

Students must complete at least two (2) units from the following courses:

GEOL 170	Geologic History of the Great Basin	1.00
GEOL 175	Geology of the Eastern Mojave Desert	1.00
GEOL 177	Geology of the High Desert and Western Mojave Desert Region	1.00
GEOL 180	Geology of Joshua Tree National Park	1.00
GEOL 181	Geology of the Anza Borrego Region	1.00
GEOL 190	Geology of the Eastern Sierra Nevada, Northern Section	1.00
GEOL 270	Geology of the Eastern Sierra Nevada	1.00

Recommended Courses:

PHYSIC 251	College Physics II	4.00
PHYSIC 252	College Physics III	4.00
GEOL 170	Geologic History of the Great Basin	1.00
GEOL 175	Geology of the Eastern Mojave Desert	1.00
GEOL 180	Geology of Joshua Tree National Park	1.00
GEOL 181	Geology of the Anza Borrego Region	1.00

GEOL 190	Geology of the Eastern Sierra Nevada, Northern Section	1.00
GEOL 250	Geology of California	3.00
GEOL 251	Geology of National Parks and Monuments	3.00
GEOL 270	Geology of the Eastern Sierra Nevada	1.00
GEOG 175	Introduction to Information Mapping	3.00
OCEAN 101 or OCEAN 101H	Elements of Oceanography	3.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

History (HIST)

Department: Social Science

Faculty Chair: Julie McKee, M.A. & Jeff Cervantez, Ph.D.

Faculty: Sabrina Jimenez, M.A.

Associate in Arts in History for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in History at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in History or a related field of study.

Major/Program Requirements

Required Courses:

HIST 100 or HIST 100H	History of the United States to 1877	3.00
HIST 101 or HIST 101H	History of the United States 1865 to Present	3.00
HIST 170 or HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
HIST 171 or HIST 171H	World Civilizations (1500 CE to the Present)	3.00

Students must complete at least three (3) units from the following courses:

ANTHRO 107 or HIST 107	The United States and the North American Indians	3.00
ARABIC 101	College Arabic I	5.00
ARABIC 102	College Arabic II	5.00
ARABIC 103	College Arabic III	5.00
ARABIC 104	College Arabic IV	5.00
ASL 101	American Sign Language I	4.00
ASL 102	American Sign Language II	4.00
ASL 103	American Sign Language III	4.00
ASL 104	American Sign Language IV	4.00
COMMST 174	Communication in a Diverse World	3.00
ENGL 160	Literature by Women	3.00
ENGL 163	Chicano/Latino Literature	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00
FRENCH 101	College French I	5.00
FRENCH 102	College French II	5.00
FRENCH 103	College French III	5.00
FRENCH 104	College French IV	5.00
JAPN 101	College Japanese I	5.00
JAPN 102	College Japanese II	5.00
JAPN 103	College Japanese III	5.00
JAPN 104	College Japanese IV	5.00
ASL 115	The American Deaf Experience: Introduction to Deaf Studies	3.00
POLIT 104	Introduction to Comparative Politics	3.00
POLIT 106	Introduction to World Politics	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00

RELIG 110 or ANTHRO 110	Tribal and Ethnic Religions	3.00
RUS 101	College Russian I	5.00
RUS 102	College Russian II	5.00
SOC 141	Minority Relations	3.00
SPAN 101	College Spanish I	5.00
SPAN 102	College Spanish II	5.00
SPAN 103	College Spanish III	5.00
SPAN 104	College Spanish IV	5.00

Students must complete at least three (3) additional units from the following courses:

ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
ANTHRO 107 or HIST 107	The United States and the North American Indians	3.00
ANTHRO 110 or RELIG 110	Tribal and Ethnic Religions	3.00
ART 100 or ART 100H	Art History I: Prehistoric Art to Medieval Art	3.00
ART 102 or ART 102H	Art History II: Renaissance Art to Contemporary Art	3.00
COMMST 135 or JOUR 135	Mass Communication in Society	3.00
HIST 135 or RELIG 135	Religion in America	3.00
HIST 145	California History	3.00
ECON 100	Introduction to Economics	3.00
ECON 200 or ECON 200H	Principles of Macroeconomics	3.00
ECON 201 or ECON 201H	Principles of Microeconomics	3.00
GEOG 120	World Regional Geography	3.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00
HUM 140	Humanities Through the Arts	3.00
MUSIC 103 or MUSIC 103H	Appreciation of American Popular Music	3.00
MUSIC 120 or MUSIC 120H	Appreciation of Musical Literature	3.00
MUSIC 134	Jazz History	3.00
PHIL 101 or PHIL 101H	Introduction to Philosophy	3.00
POLIT 100 or POLIT 100H	American Politics	3.00
POLIT 102	California Politics and Culture	3.00
POLIT 104	Introduction to Comparative Politics	3.00
POLIT 106	Introduction to World Politics	3.00
POLIT 110	Introduction to Political Theory	3.00
PSYCH 100 or PSYCH 100H	General Psychology	3.00
RELIG 100 or RELIG 100H	Introduction to Religious Studies	3.00

RELIG 101 or RELIG 101H	Introduction to World Religions	3.00
SOC 100 or SOC 100H	Introduction to Sociology	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Demonstrate an understanding that History shares with English a narrative tradition that relies on the written word to tell its story by evaluating documents
- Discuss and appraise the influence of multiple factors or "causes" in an historical event or development
- Recognize and evaluate the influence of contingency or chance in an historical event or development
- Compare, contrast and evaluate the influence or role of actions or inaction in determining an outcome in an historical event or development
- Considering History's multidiscipline nature, describe and appraise the role that "environment" (physical, social, cultural, technological and economic, etc.) may play in an historical event or development
- Critique and evaluate an historical event or development as a study of human activity and conclude how it informs us about human nature
- Analyze and evaluate an historical event or development that demonstrates the fact that at times we cannot have absolute certainty about what happened in the past

History - Associate of Arts Degree

Major/Program Requirements

Required Courses:

HIST 100 or HIST 100H	History of the United States to 1877	3.00
HIST 101 or HIST 101H	History of the United States 1865 to Present	3.00
HIST 170 or HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
HIST 171 or HIST 171H	World Civilizations (1500 CE to the Present)	3.00

Students must complete at least six (6) units from the following courses:

ANTHRO 107 or HIST 107	The United States and the North American Indians	3.00
HIST 135 or RELIG 135	Religion in America	3.00
HIST 145	California History	3.00
ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
ANTHRO 110 or RELIG 110	Tribal and Ethnic Religions	3.00

ART 100 or	Art History I: Prehistoric Art to Medieval Art	3.00
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ART 100H		
ART 102 or ART 102H	Art History II: Renaissance Art to Contemporary Art	3.00
ECON 100	Introduction to Economics	3.00
ECON 200 or ECON 200H	Principles of Macroeconomics	3.00
ECON 201 or ECON 201H	Principles of Microeconomics	3.00
ENGL 108 or THART 108	World Drama I	3.00
ENGL 109 or THART 109	World Drama II	3.00
ENGL 260	Survey of American Literature I	3.00
ENGL 261	Survey of American Literature II	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00
GEOG 102 or GEOG 102H	Cultural Geography	3.00
GEOG 120	World Regional Geography	3.00
GEOG 126	Geography of California	3.00
MUSIC 103 or MUSIC 103H	Appreciation of American Popular Music	3.00
MUSIC 120 or MUSIC 120H	Appreciation of Musical Literature	3.00
MUSIC 134	Jazz History	3.00
PHIL 101 or PHIL 101H	Introduction to Philosophy	3.00
POLIT 100 or POLIT 100H	American Politics	3.00
POLIT 102	California Politics and Culture	3.00
POLIT 104	Introduction to Comparative Politics	3.00
POLIT 106	Introduction to World Politics	3.00
POLIT 110	Introduction to Political Theory	3.00
RELIG 100 or RELIG 100H	Introduction to Religious Studies	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00
RELIG 113	Introduction to Eastern Religions	3.00
RELIG 176	Jesus and His Interpreters	3.00
SOC 100 or SOC 100H	Introduction to Sociology	3.00
SOC 141	Minority Relations	3.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

Japanese (JAPN)

Department: Communication & Language

Faculty Chair: Breanna Andrews, M.A. & Rick Hogrefe, M.A.

Japanese - Associate of Arts Degree

Major/Program Requirements

Required Courses:

JAPN 101	College Japanese I	5.00
JAPN 102	College Japanese II	5.00
JAPN 103	College Japanese III	5.00
JAPN 104	College Japanese IV	5.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Demonstrate language proficiency by writing and speaking Japanese at a beginning to intermediate level
- Interpret written and spoken messages in Japanese at a beginning to intermediate level
- Demonstrate appropriate knowledge of the Japanese-speaking world regarding social interactions, beliefs, values, arts, literature, music and geography
- Define the concept of culture, appreciate other cultures and interact with members of those cultures in relation to their own
- Apply their knowledge of Japanese language and culture beyond the classroom in interactions within multicultural communities and the world

Kinesiology

Department: Kinesiology & Health

Faculty Chair: Janine Ledoux, P.h.D., Ralph Rabago, M.S.

Faculty: Colleen Hinds, P.h.D., Janine Ledoux, P.h.D., Ralph Rabago, M.S.

A student completing skill courses in this field will be able to:

- Warm-up properly to minimize the risk of injury and prepare for activity, wear attire appropriate for the activity, and use equipment appropriate for the activity
- Demonstrate knowledge of rules, approaches, and strategies specific to the sport/activity
- Conduct themselves with character, respect, good sportsmanship and etiquette appropriate to the customs and traditions of the activity

A student completing dance courses in this field will be able to:

- Design, evaluate, or critique a dance performance in terms of choreography and technical performance associated with a specific dance form
- Perform a dance piece in a style-specific dance or discipline
- Demonstrate adequate physical skill or technique in performance
- Recognize and describe the impact or influence of music on the specific dance form

A student completing fitness courses in this field will be able to:

- Warm-up properly to minimize the risk of injury and prepare for activity, wear attire appropriate for the activity
- Demonstrate knowledge of principles for safe participation and physiological improvement in keeping with the goals of the specific activity
- Improve performance through increased levels of physical development associated with the goals of the specific activity
- Demonstrate an understanding of the benefits associated with the participation in fitness activities

Associate in Arts in Kinesiology for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Kinesiology at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Kinesiology or a related field of study. Students earning this degree will be able to explain the importance of physical activity in daily life and the implications of this for the discipline of kinesiology, how it is structured, and the types of knowledge studied by its scholars and applied in professional practice; defend the integrative nature of the field of kinesiology; identify the nature and demands of professional occupations, the career options available to students graduating from departments of kinesiology, and the qualifications associated with each; demonstrate knowledge of principles for safe participation and physiological improvement in keeping with the goals of a specific physical activity; and demonstrate an understanding of the benefit associated with the participation in physical activities.

Major/Program Requirements

Required Courses:

KIN 200	Introduction to Kinesiology	3.00
ANAT 150	Human Anatomy and Physiology I	4.00
ANAT 151	Human Anatomy and Physiology II	4.00

Students must complete one (1) unit from at least three (3) of the following movement-based course areas:

Aquatics

KIN/S 164A	Swimming I	0.50 - 1.00
KIN/S 164B	Swimming II	0.50 - 1.00
KIN/S 164C	Swimming III	0.50 - 1.00
KIN/S 164D	Swimming IV	0.50 - 1.00
KIN/F 173A	Water Aerobics and Deep Water Exercise I	0.50 - 1.00
KIN/F 173B	Water Aerobics and Deep Water Exercise II	0.50 - 1.00
KIN/F 173C	Water Aerobics and Deep Water Exercise III	0.50 - 1.00
KIN/F 173D	Water Aerobics and Deep Water Exercise IV	0.50 - 1.00

Combatives

KIN/S 159A	Karate I	0.50 - 1.00
KIN/S 159B	Karate II	0.50 - 1.00
KIN/S 159C	Karate III	0.50 - 1.00
KIN/S 159D	Karate IV	0.50 - 1.00

Team Sports

KIN/S 116A	Soccer I	0.50 - 1.00
KIN/S 116B	Soccer II	0.50 - 1.00
KIN/S 116C	Soccer III	0.50 - 1.00
KIN/S 116D	Soccer IV	0.50 - 1.00
KIN/S 193A	Softball I	0.50 - 1.00
KIN/S 193B	Softball II	0.50 - 1.00
KIN/S 193C	Softball III	0.50 - 1.00
KIN/S 193D	Softball IV	0.50 - 1.00

Individual Sports

KIN/S 120A	Golf I	0.50 - 1.00
KIN/S 120B	Golf II	0.50 - 1.00
KIN/S 120C	Golf III	0.50 - 1.00
KIN/S 120D	Golf IV	0.50 - 1.00
KIN/S 148A	Tennis I	0.50 - 1.00
KIN/S 148B	Tennis II	0.50 - 1.00
KIN/S 148C	Tennis III	0.50 - 1.00
KIN/S 148D	Tennis IV	0.50 - 1.00

Fitness

KIN/F 105A	Aerobic Conditioning I	0.50 - 1.00
KIN/F 105B	Aerobic Conditioning II	0.50 - 1.00
KIN/F 105C	Aerobic Conditioning III	0.50 - 1.00
KIN/F 105D	Aerobic Conditioning IV	0.50 - 1.00
KIN/F 108A	Resistance and Weight Training I	0.50 - 1.00
KIN/F 108B	Resistance and Weight Training II	0.50 - 1.00
KIN/F 108C	Resistance and Weight Training III	0.50 - 1.00

KIN/F 108D	Resistance and Weight Training IV	0.50 - 1.00
KIN/F 127A	Walking for Fitness I	0.50 - 1.00
KIN/F 127B	Walking for Fitness II	0.50 - 1.00
KIN/F 127C	Walking for Fitness III	0.50 - 1.00
KIN/F 127D	Walking for Fitness IV	0.50 - 1.00
KIN/F 168A	Yoga I	0.50 - 1.00
KIN/F 168B	Yoga II	0.50 - 1.00
KIN/F 168C	Yoga III	0.50 - 1.00
KIN/F 168D	Yoga IV	0.50 - 1.00
KIN/F 190A	Tai Chi I	0.50 - 1.00
KIN/F 190B	Tai Chi II	0.50 - 1.00
KIN/F 190C	Tai Chi III	0.50 - 1.00
KIN/F 190D	Tai Chi IV	0.50 - 1.00

Dance

KIN/D 163A or DANCE 163A	Ballroom/Swing/Salsa I	0.50 - 1.00
KIN/D 163B or DANCE 163B	Ballroom/Swing/Salsa II	0.50 - 1.00
KIN/D 163C or DANCE 163C	Ballroom/Swing Salsa III	0.50 - 1.00
KIN/D 163D or DANCE 163D	Ballroom/Swing Salsa IV	0.50 - 1.00

Students must complete at least six (6) additional units from the following list:

MATH 110	Introduction to Probability and Statistics	4.00
CHEM 150 or CHEM 150H	General Chemistry I	5.00
PHYSIC 110	General Physics I	4.00
	OR	
PHYSIC 250	College Physics I	4.00
KIN 231	First Aid and CPR	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Marketing (MARKET)

Department: Business, Economics & Information Technology

Faculty Chair: Margaret Yau, M.S.

Faculty: Kenneth George, M.B.A., M.S.A.M.

Marketing Management Certificate of Achievement

The objective of this certificate program is to provide entry-level, marketable employment skills to equip the student with a basic understanding of the terminology and basic concepts/procedures used in the marketing field, and to acquaint the student with the various sub-functions within the overall field of marketing. Completion of the certificate program will prepare the student for entry-level employment in a variety of related occupations including retail sales clerk, outside sales representative, advertising, merchandiser, distribution, or customer service representative.

Major/Program Requirements

Required Courses:

ACCT 208	Introduction to Financial Accounting	4.00
BUSAD 100	Introduction to Business	3.00
BUSAD 105	Entrepreneurship and Small Business Management	3.00
BUSAD 145 or COMMST 145	Business Communication	4.00
BUSAD 155 or COMMST 155	Human Relations in the Workplace	3.00
	OR	
COMMST 111 or COMMST 111H	Interpersonal Communication	3.00
	OR	
COMMST 140	Small Group Communication	3.00
CIS 101 or BUSAD 230	Introduction to Computer and Information Technology	3.00
CIS 111	Web Page Programming and Design	3.00
CIS 163	Adobe Photoshop	3.00
MARKET 100	Marketing Principles	3.00
MARKET 110	Advertising	3.00

A student receiving a certificate in this field will be able to:

- Demonstrate the ability to explain and apply marketing principles pertaining to promotion, advertising, public relations, and personal selling
- Demonstrated the ability to explain the major legislative acts and issues in ethics and social responsibility as they pertain to marketing and advertising
- Demonstrate the ability to explain the various trade alliance and market mechanisms affecting global marketing
- Demonstrate the ability to explain and apply the various types and sources of marketing research, product research, and media research information
- Demonstrate the ability to explain the functions of the operating and merchandising divisions within retailing operations

Mathematics (MATH)

Department: Mathematics

Faculty Chair: Jodi Hanley, M.A., & Sherri Wilson, M.S.

Faculty: Brandi Bailes, M.S., Robert Crise, M.A., Jodi Hanley, M.A., Stephen Ramirez, Ph.D., Scott Rippey, M.A., Sherri Wilson, M.S.

Associate in Science in Mathematics for Transfer (AS-T) Degree

The Associate in Science-Transfer (AS-T) degree in Mathematics at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Mathematics or a related field of study.

Major/Program Requirements

Required Courses:

MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00
MATH 252	Multivariable Calculus	5.00

Students must complete at least six (6) units from the following courses, with at least three (3) units from Group A:

Group A

MATH 265	Linear Algebra	4.00
MATH 266	Introduction to Ordinary Differential Equations	4.00

Group B

MATH 255	Computer-Based Problems for Calculus	1.00 2.00
MATH 110	Introduction to Probability and Statistics	4.00
CIS 114	C++ Programming I	3.00
CIS 116	C++ Programming II	3.00
PHYSIC 250	College Physics I	4.00
CSCI 110	Introduction to Computer Science I	3.00
CSCI 120	Introduction to Computer Science II	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Mathematics - Associate of Art Degree

The Mathematics department offers a major program which may be adapted to serve a variety of needs and interests. Students may develop elective patterns which will prepare them to transfer to an upper division mathematics program or for employment.

Major/Program Requirements

Required Courses:

MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00
MATH 252	Multivariable Calculus	5.00

Students must complete at least five (5) units from the following courses:

MATH 115	The Ideas of Mathematics	3.00
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MATH 200 or CSCI 200	Discrete Structures	4.00
MATH 265	Linear Algebra	4.00
MATH 266	Introduction to Ordinary Differential Equations	4.00
CIS 114	C++ Programming I	3.00
CIS 116	C++ Programming II	3.00
PHYSIC 110	General Physics I	4.00
PHYSIC 111	General Physics II	4.00
PHYSIC 250	College Physics I	4.00
PHYSIC 251	College Physics II	4.00
PHYSIC 252	College Physics III	4.00
MATH 110	Introduction to Probability and Statistics	4.00
CSCI 110	Introduction to Computer Science I	3.00
CSCI 120	Introduction to Computer Science II	3.00
MATH 255	Computer-Based Problems for Calculus	1.00 - 2.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

Microbiology (MICRO)

Department: Physical & Biological Sciences

Faculty Chair: Sam Truong, M.D.

Faculty: Lisa Shimeld, M.S.

Microbiology - Associate of Science Degree

see **BIOLOGY** (p. 85)

Multidisciplinary Studies

For assistance in locating the appropriate department, department chair, and / or faculty associated with each multidisciplinary degree, please contact Kelly Newton, Administrative Assistant to the Vice President of Instruction, at (909) 389-3203 or via email at kbingha@sbccd.cc.ca.us.

Associate of Arts Fine Arts Degree

The Associate of Arts Fine Arts degree focuses on the development of creative expression and critical inquiry in music and the arts. Students will appreciate the value of artistic expression and human creativity in the fine arts and evaluate them as part of human culture and human creativity. This degree is multidisciplinary giving students the knowledge and experience in theatre arts, the visual arts, music and dance.

To complete the requirements for the Associate of Arts for this degree, a student must:

1. Complete the requirements for an associate degree (see requirements 1 through 6 (p. 49)).
2. Complete a minimum of eighteen (18) units with a "C" or better in each course in the following multidisciplinary program.
3. Complete elective units to meet the minimum 60 units required for the associate degree.

Major/Program Requirements

Required Courses:

A minimum of six (6) units must be taken from the following courses in at least two disciplines.

ART 100 or ART 100H	Art History I: Prehistoric Art to Medieval Art	3.00
ART 102 or ART 102H	Art History II: Renaissance Art to Contemporary Art	3.00
MUSIC 103 or MUSIC 103H	Appreciation of American Popular Music	3.00
MUSIC 120 or MUSIC 120H	Appreciation of Musical Literature	3.00
THART 100 or THART 100H	Introduction to Theatre	3.00

Students must complete at least (12) twelve additional units from the following courses in at least two disciplines:

Art

ART 100 or ART 100H	Art History I: Prehistoric Art to Medieval Art	3.00
ART 102 or ART 102H	Art History II: Renaissance Art to Contemporary Art	3.00
ART 105	History of Modern Art	3.00
ART 119	Digital Video Art	3.00
ART 120	Foundations of Two-Dimensional Design	3.00
ART 121	Foundations of Three-Dimensional Design	3.00
ART 124	Drawing I	3.00
ART 126	Painting I	3.00
ART 132	Life Drawing I	3.00
ART 175	Sculpture	3.00
ART 200	Printmaking	3.00
ART 204	Contemporary Topics in American Art	1.00

ART 226	Painting II	3.00
ART 232	Life Drawing II	3.00

Music

MUSIC 100	Fundamental Skills in Music	3.00
MUSIC 101	Music Theory I	4.00
MUSIC 102	Music Theory II	4.00
MUSIC 103 or MUSIC 103H	Appreciation of American Popular Music	3.00
MUSIC 120 or MUSIC 120H	Appreciation of Musical Literature	3.00
MUSIC 132	Guitar I	2.00
MUSIC 133	Guitar II	2.00
MUSIC 134	Jazz History	3.00
MUSIC 135	Piano I	2.00
MUSIC 136	Piano II	2.00
MUSIC 150X4	Concert Choir	1.00
MUSIC 164X4	Concert Band	2.00
MUSIC 174X4	Jazz Band	1.00
MUSIC 179X4	Contemporary Ensemble	2.00
MUSIC 180X4	Musical Theatre Workshop	2.00
MUSIC 190	Songwriting and Composition	3.00
MUSIC 195	Music Technology and Recording	4.00
MUSIC 201	Music Theory III	4.00
MUSIC 202	Music Theory IV	4.00
MUSIC 232	Guitar III	2.00
MUSIC 233	Guitar IV	2.00
MUSIC 235	Piano III	2.00
MUSIC 236	Piano IV	2.00

Theatre Arts

THART 100 or THART 100H	Introduction to Theatre	3.00
THART 108 or ENGL 108	World Drama I	3.00
THART 109 or ENGL 109	World Drama II	3.00
THART 110 or COMMST 110	Voice and Diction	3.00
THART 120	Beginning Acting	3.00
THART 124X2	Beginning Performance Workshop	3.00
THART 133	Audition Techniques	1.00
THART 134X4	Technical Theatre Workshop	1.00
THART 140X2	Intermediate Performance Workshop	3.00
THART 145	Advanced Theatre Practicum I	3.00
THART 150	Summer Theatre Workshop	3.00
DANCE 174x4 or THART 174X4	Dance Production Workshop	2.00
THART 176	Fundamentals of Stagecraft I	3.00
THART 179	Fundamentals of Stagecraft II	3.00
THART 205	Play Directing	3.00
THART 220	Intermediate Acting	3.00
THART 221	Advanced Acting	3.00
THART 226 or ENGL 226	Play and Screenplay Analysis	3.00

THART 245	Advanced Theatre Practicum II	3.00
THART 250	Advanced Summer Theatre Workshop	3.00

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at the university of their choice.

Associate of Arts Humanities Degree

The Associate of Arts degree in Humanities emphasizes the study of cultural, literary, humanistic and artistic expression within the context of the human experience. Students will evaluate and interpret the ways in which people in different cultures have responded to themselves and the world around them throughout history. This degree is multidisciplinary, preparing students to transfer into majors such as history, English, philosophy, religious studies and other areas in the humanities.

To complete the requirements for the Associate of Arts degree, a student must:

1. To Complete the requirements for an associate degree (see requirements 1 through 6 (p. 49)).
2. Complete a minimum of eighteen (18) units with a "C" or better in each course in the following multidisciplinary program.
3. Complete elective units to meet the minimum 60 units required for the associate degree.

Major/Program Requirements

Required Core Courses:

A minimum of three (3) three units must be taken from each of the following groups.

History and Civilization

HIST 170 or HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
HIST 171 or HIST 171H	World Civilizations (1500 CE to the Present)	3.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00

Philosophy and Religion

PHIL 101 or PHIL 101H	Introduction to Philosophy	3.00
PHIL 105 or PHIL 105H	Introduction to Ethics: Moral Values in Today's Society	3.00
RELIG 100 or RELIG 100H	Introduction to Religious Studies	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00
RELIG 110 or ANTHRO 110	Tribal and Ethnic Religions	3.00
RELIG 135 or HIST 135	Religion in America	3.00
RELIG 175 or	Literature and Religion of the Bible	3.00

ENGL 175		
RELIG 113	Introduction to Eastern Religions	3.00
RELIG 176	Jesus and His Interpreters	3.00
ENGL 150	Classical Mythology	3.00

Fine Arts

ART 100 or ART 100H	Art History I: Prehistoric Art to Medieval Art	3.00
ART 102 or ART 102H	Art History II: Renaissance Art to Contemporary Art	3.00
ART 105	History of Modern Art	3.00
ENGL 170	The Film Experience	3.00
HUM 140	Humanities Through the Arts	3.00
MUSIC 103 or MUSIC 103H	Appreciation of American Popular Music	3.00
MUSIC 120 or MUSIC 120H	Appreciation of Musical Literature	3.00
MUSIC 134	Jazz History	3.00
THART 100 or THART 100H	Introduction to Theatre	3.00

Literature

ENGL 155 or ENGL 155H	Children's Literature	3.00
ENGL 160	Literature by Women	3.00
ENGL 163	Chicano/Latino Literature	3.00
ENGL 250	Fiction	3.00
ENGL 260	Survey of American Literature I	3.00
ENGL 261	Survey of American Literature II	3.00
ENGL 270	Survey of British Literature I	3.00
ENGL 271	Survey of British Literature II	3.00
ENGL 275	Shakespeare	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00

One of the following:

ENGL 108 or THART 108	World Drama I	3.00
ENGL 109 or THART 109	World Drama II	3.00

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at the university of their choice.

Associate of Arts Liberal Studies – Teacher Preparation Degree

The Associate of Arts Liberal Studies-Teacher Preparation degree is designed for students intending to transfer to a four-year college or university with the goal of a career in teaching.

The courses in the degree satisfy CHC general education requirements for the associate degree, prepare students for the majority of their lower

division courses in education, and fulfills the IGETC and CSU Breadth general education requirements and the courses needed for a degree in liberal studies at transfer institutions. Students should consult with a counselor for specific information regarding transfer coursework required at the university of their choice.

Major/Program Requirements

Required Courses:

CD 105	Child Growth and Development	3.00
CD 211	Observation and Methods in School-Age Development	3.00
	OR	
CD 212	Observation and Methods in Early Child Development	3.00
CD 295	Elementary Laboratory	3.00
EDU 290	Introduction to Education	3.00

Students must complete at least (6) six units from the following courses:

CD 182	Teaching in a Diverse Society	3.00
CD 244	Children with Special Needs	3.00
BUSAD 230 or CIS 101	Using Computers for Business	3.00

Required General Education Courses:

Students should complete the following courses to fulfill the general education requirements of the associate degree.

BIOL 100	General Biology	4.00
ENGL 101 or ENGL 101H	Freshman Composition	4.00
HEALTH 102	Biological Principles of Health	3.00
MATH 115	The Ideas of Mathematics	3.00
POLIT 100 or POLIT 100H	American Politics	3.00
CHEM 101	Introduction to Chemistry	4.00
	OR	
PHYSIC 100	Introduction to Physics	4.00

Students must complete at least (3) three additional units from the following courses:

HIST 100 or HIST 100H	History of the United States to 1877	3.00
HIST 101 or HIST 101H	History of the United States 1865 to Present	3.00

Students must complete at least (3) three additional units from the following courses:

ENGL 108 or THART 108	World Drama I	3.00
ENGL 109 or THART 109	World Drama II	3.00
ENGL 152 or ENGL 152H	Intermediate Composition and Literature	4.00
ENGL 155 or	Children's Literature	3.00

ENGL 155H		
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00

Students must complete at least (4) four additional units from the following courses:

ARABIC 102	College Arabic II	5.00
ARABIC 103	College Arabic III	5.00
ARABIC 104	College Arabic IV	5.00
ASL 102	American Sign Language II	4.00
ASL 103	American Sign Language III	4.00
ASL 104	American Sign Language IV	4.00
FRENCH 102	College French II	5.00
FRENCH 103	College French III	5.00
FRENCH 104	College French IV	5.00
JAPN 102	College Japanese II	5.00
JAPN 103	College Japanese III	5.00
JAPN 104	College Japanese IV	5.00
SPAN 102	College Spanish II	5.00
SPAN 103	College Spanish III	5.00
SPAN 104	College Spanish IV	5.00

Students must complete at least (3) three additional units from the following courses:

HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00
PHIL 101 or PHIL 101H	Introduction to Philosophy	3.00
PHIL 105 or PHIL 105H	Introduction to Ethics: Moral Values in Today's Society	3.00
RELIG 100 or RELIG 100H	Introduction to Religious Studies	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00

Students must complete at least (3) three additional units from the following courses:

ART 100 or ART 100H	Art History I: Prehistoric Art to Medieval Art	3.00
ART 102 or ART 102H	Art History II: Renaissance Art to Contemporary Art	3.00
MUSIC 120 or MUSIC 120H	Appreciation of Musical Literature	3.00
THART 100 or THART 100H	Introduction to Theatre	3.00

Students must complete at least (3) three additional units from the following courses:

COMMST 100 or COMMST 100H	Elements of Public Speaking	3.00
COMMST 111 or COMMST 111H	Interpersonal Communication	3.00
COMMST 140	Small Group Communication	3.00

Students must complete at least (3) three additional units from the following courses:

ENGL 102 or ENGL 102H	Intermediate Composition and Critical Thinking	4.00
COMMST 125 or COMMST 125H	Critical Thinking through Argumentation and Debate	3.00
PHIL 103	Introduction to Logic: Argument and Evidence	3.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

Associate of Arts Social Science Degree

The Associate of Arts degree Social Science emphasizes the study of social and behavioral sciences. Students will recognize, describe and analyze individual behaviors and social institutions that influence our world. This degree is multidisciplinary preparing students to transfer in majors such as psychology, sociology, political science, history, anthropology and religious studies.

To complete the requirements for the Associate of Arts for this degree, a student must:

1. Complete the requirements for an associate degree (see requirements 1 through 6 (p. 49)).
2. Complete a minimum of eighteen (18) units with a "C" or better in each course in the following multidisciplinary program.
3. Complete elective units to meet the minimum 60 units required for the associate degree.

Major/Program Requirements

A minimum of (3) three units must be taken from each of the following groups:

Required Courses:

History and Culture

ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
GEOG 102 or GEOG 102H	Cultural Geography	3.00
GEOG 120	World Regional Geography	3.00
HIST 100 or HIST 100H	History of the United States to 1877	3.00
HIST 101 or HIST 101H	History of the United States 1865 to Present	3.00
HIST 170 or HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
HIST 171 or HIST 171H	World Civilizations (1500 CE to the Present)	3.00

Political and Social Institutions

ECON 100	Introduction to Economics	3.00
ECON 200 or ECON 200H	Principles of Macroeconomics	3.00

ECON 201 or ECON 201H	Principles of Microeconomics	3.00
POLIT 100 or POLIT 100H	American Politics	3.00
POLIT 102	California Politics and Culture	3.00
POLIT 104	Introduction to Comparative Politics	3.00
POLIT 106	Introduction to World Politics	3.00
POLIT 110	Introduction to Political Theory	3.00

Philosophy and Religion

PHIL 101 or PHIL 101H	Introduction to Philosophy	3.00
PHIL 105 or PHIL 105H	Introduction to Ethics: Moral Values in Today's Society	3.00
RELIG 100 or RELIG 100H	Introduction to Religious Studies	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00
RELIG 110 or ANTHRO 110	Tribal and Ethnic Religions	3.00
RELIG 135 or HIST 135	Religion in America	3.00
RELIG 113	Introduction to Eastern Religions	3.00
RELIG 176	Jesus and His Interpreters	3.00

Behavioral Science

CD 105	Child Growth and Development	3.00
CD 126	Child, Family and Community	3.00
PSYCH 100 or PSYCH 100H	General Psychology	3.00
PSYCH 102	Personal and Social Adjustment	3.00
PSYCH 103	Theories of Personality	3.00
PSYCH 110	Abnormal Psychology	3.00
PSYCH 111	Developmental Psychology: Lifespan	3.00
PSYCH 118	Human Sexual Behavior	3.00
SOC 100 or SOC 100H	Introduction to Sociology	3.00
SOC 105	Social Problems	3.00
SOC 130	Marriage, Family and Intimate Relationships	3.00
SOC 141	Minority Relations	3.00
SOC 150	Gerontology	3.00

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at the university of their choice.

Associate of Science Environmental Science Degree

The Associate of Science degree in Environmental Science provides students with the basic content required for students majoring in Environmental Sciences, with emphasis in the fields of biology and the geosciences. The study of the environment provides the general knowledge necessary to understand our role on our planet.

To complete the requirements for the Associate of Science degree, a student must:

1. Complete the requirements for an associate degree (see requirements 1 through 6 (p. 49)).
2. Complete a minimum of (18) eighteen units with a "C" or better in each course in the following multidisciplinary program.
3. Complete elective units to meet the minimum 60 units required for the associate degree.

Major/Program Requirements

Required Courses

One of the following:

BIOL 100	General Biology	4.00
BIOL 130 or BIOL 130H	Cell and Molecular Biology	4.00

One of the following:

CHEM 101	Introduction to Chemistry	4.00
CHEM 150 or CHEM 150H	General Chemistry I	5.00

One of the following sequences:

GEOL 100 or GEOL 100H	Physical Geology	4.00
	OR	
GEOL 101 or GEOL 101H	Introduction to Geology	3.00
	AND	
GEOL 160	Geology Laboratory	1.00

In addition to the required coursework, each student must choose an emphasis and take at least (12) twelve units from one of the following areas:

Emphasis in Biological Sciences

BIOL 123	Ecology and Environment	3.00
BIOL 131 or BIOL 131H	Populations and Organisms	4.00
CHEM 151 or CHEM 151H	General Chemistry II	5.00
CHEM 213	Organic Chemistry II	4.00
CHEM 102	Introduction to Organic Chemistry	4.00
	OR	
CHEM 212	Organic Chemistry I	4.00

Emphasis in Geoscience Studies

GEOG 110 or GEOG 110H	Physical Geography	3.00
GEOG 111 or GEOG 111H	Physical Geography Laboratory	1.00
GEOG 126	Geography of California	3.00
GEOL 150 or GEOL 150H	Contemporary Geology: Hazards, Resources and Environmental Concerns	3.00
GEOL 170	Geologic History of the Great Basin	1.00

GEOL 175	Geology of the Eastern Mojave Desert	1.00
GEOL 177	Geology of the High Desert and Western Mojave Desert Region	1.00
GEOL 180	Geology of Joshua Tree National Park	1.00
GEOL 181	Geology of the Anza Borrego Region	1.00
GEOL 190	Geology of the Eastern Sierra Nevada, Northern Section	1.00
GEOL 250	Geology of California	3.00
GEOL 270	Geology of the Eastern Sierra Nevada	1.00
ANTHRO 106 or ANTHRO 106H	Biological Anthropology	3.00
CHEM 151 or CHEM 151H	General Chemistry II	5.00
PHYSIC 100	Introduction to Physics	4.00
	OR	
PHYSIC 110	General Physics I	4.00
PHYSIC 250	College Physics I	4.00

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at the university of their choice.

Associate of Science Multiple Sciences Degree

The Associate of Science Multiple Sciences degree emphasizes the role of science, scientific inquiry and technology in our world. Students will apply a problem solving strategy such as the scientific method or other systematic process of inquiry and recognize the contributions of science and technology in our world. This degree is multidisciplinary, giving students the knowledge and experience in both the physical and biological sciences.

To complete the requirements for the Associate of Science degree, a student must:

1. Complete the requirements for an associate degree (see requirements 1 through 6 (p. 49)).
2. Complete a minimum of eighteen (18) semester units with a "C" or better in each course in the following multidisciplinary program.
3. Complete elective units to meet the minimum 60 total units required for the associate degree.

Major/Program Requirements

Required Courses:

A minimum of six (6) six units must be taken from two of the following three groups:

Physical Sciences

ASTRON 150 or ASTRON 150H	Introduction to Astronomy	3.00
ASTRON 160	Astronomy Laboratory	1.00
CHEM 101	Introduction to Chemistry	4.00
CHEM 102	Introduction to Organic Chemistry	4.00

CHEM 123	Chemistry for Everyone	3.00
CHEM 150 or CHEM 150H	General Chemistry I	5.00
CHEM 151 or CHEM 151H	General Chemistry II	5.00
CHEM 212	Organic Chemistry I	4.00
CHEM 213	Organic Chemistry II	4.00
ENGR 101	Introduction to Engineering	3.00
PHYSIC 100	Introduction to Physics	4.00
PHYSIC 110	General Physics I	4.00
PHYSIC 111	General Physics II	4.00
PHYSIC 250	College Physics I	4.00
PHYSIC 251	College Physics II	4.00
PHYSIC 252	College Physics III	4.00

Earth Sciences

GEOL 100 or GEOL 100H	Physical Geology	4.00
GEOL 101 or GEOL 101H	Introduction to Geology	3.00
GEOL 112	Historical Geology	4.00
GEOL 113	Earth and Life History	3.00
GEOL 150 or GEOL 150H	Contemporary Geology: Hazards, Resources and Environmental Concerns	3.00
GEOL 160	Geology Laboratory	1.00
GEOL 170	Geologic History of the Great Basin	1.00
GEOL 175	Geology of the Eastern Mojave Desert	1.00
GEOL 177	Geology of the High Desert and Western Mojave Desert Region	1.00
GEOL 180	Geology of Joshua Tree National Park	1.00
GEOL 181	Geology of the Anza Borrego Region	1.00
GEOL 190	Geology of the Eastern Sierra Nevada, Northern Section	1.00
GEOL 250	Geology of California	3.00
GEOL 270	Geology of the Eastern Sierra Nevada	1.00
GEOG 110 or GEOG 110H	Physical Geography	3.00
GEOG 111 or GEOG 111H	Physical Geography Laboratory	1.00
GEOG 126	Geography of California	3.00
OCEAN 100	Investigations in Oceanography	4.00
OCEAN 101 or OCEAN 101H	Elements of Oceanography	3.00

Biological Sciences

ANAT 101	Essentials of Human Anatomy and Physiology	4.00
ANAT 150	Human Anatomy and Physiology I	4.00
ANAT 151	Human Anatomy and Physiology II	4.00
ANTHRO 106 or ANTHRO 106H	Biological Anthropology	3.00
BIOL 100	General Biology	4.00
BIOL 123	Ecology and Environment	3.00
BIOL 130 or	Cell and Molecular Biology	4.00

BIOL 130H		
BIOL 131 or BIOL 131H	Populations and Organisms	4.00
HEALTH 263 or HEALTH 263H	Nutrition and Health	3.00
MICRO 102	Introductory Microbiology	4.00
MICRO 150	Medical Microbiology	5.00

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at the university of their choice.

Associate of Science Health Sciences Degree

The Associate of Science degree in Health Sciences allows students to explore many aspects of science and health-related issues. This degree prepares students for health care professional programs including nursing, dental hygiene and other health professional programs.

To complete the requirements for the Associate of Science for this degree, a student must:

1. Complete the requirements for an associate degree (see requirements 1 through 6 (p. 49)).
2. Complete a minimum of eighteen (18) units with a "C" or better in each course in the following multidisciplinary degree.
3. Complete enough elective units to meet the minimum 60 units required for the associate degree.

Major/Program Requirements

Required Core Courses

ANAT 150	Human Anatomy and Physiology I	4.00
ANAT 151	Human Anatomy and Physiology II	4.00
ENGL 101 or ENGL 101H	Freshman Composition	4.00
MICRO 150	Medical Microbiology	5.00
	AND	

One of the following:

COMMST 100 or COMMST 100H	Elements of Public Speaking	3.00
COMMST 111 or COMMST 111H	Interpersonal Communication	3.00
	AND	

One of the following:

ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
SOC 100 or SOC 100H	Introduction to Sociology	3.00
	AND	

One of the following:

PSYCH 100 or PSYCH 100H	General Psychology	3.00
PSYCH 111	Developmental Psychology: Lifespan	3.00

	AND	
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One of the following sets:

CHEM 101	Introduction to Chemistry	4.00
	OR	
CHEM 150 or CHEM 150H	General Chemistry I	5.00
	AND	
CHEM 151 or CHEM 151H	General Chemistry II	5.00

This major sequence includes prerequisite courses common to many nursing, dental hygiene and other health professional programs. However, admissions requirements do vary from program to program. Prospective students should consult a counselor or the program to which they are applying for specific admissions requirements.

Music (MUSIC)

Department: Fine Arts

Faculty Chair: Snezana Petrovic, M.F.A.

Faculty: Mark McConnell, M.M.

Associate in Arts in Music for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Music at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to pursue a Bachelor of Arts in Music degree.

Major/Program Requirements

Required Courses:

MUSIC 101	Music Theory I	4.00
MUSIC 102	Music Theory II	4.00
MUSIC 201	Music Theory III	4.00
MUSIC 202	Music Theory IV	4.00
MUSIC 141X4	Applied Music	0.50

MUSIC 141X4: Must be taken four times for a total of 2 units.

Required Ensemble Courses:

MUSIC 150X4	Concert Choir	1.00
	OR	
MUSIC 174X4	Jazz Band	1.00

Total of 4 units of any combination of ensemble courses.

IGETC is the only approved general education pattern for this degree.

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC). See counselor for details. Information is also available at www.assist.org.

Music - Associate of Arts Degree

The Crafton Hills College Music Program provides basic training in Common Practice Era Theory, Western history, and practice/performance techniques. There are two ensembles (Jazz Ensemble and Choir) that perform 6-8 concerts each year and the Music Program hosts a Music Major recital each semester.

Major/Program Requirements

Required Courses:

MUSIC 101	Music Theory I	4.00
MUSIC 102	Music Theory II	4.00
MUSIC 120 or MUSIC 120H	Appreciation of Musical Literature	3.00
MUSIC 141X4	Applied Music	0.50
MUSIC 135	Piano I	2.00
MUSIC 136	Piano II	2.00
MUSIC 235	Piano III	2.00
MUSIC 236	Piano IV	2.00

MUSIC 141X4: Must be taken two times

MUSIC 135, MUSIC 136, MUSIC 235, and MUSIC 236: Students may receive credit for piano courses through credit by examination. Students

may receive credit only in sequence from the lowest to highest level. See a counselor for details.

Students must complete at least eight (8) units from the following:

MUSIC 132	Guitar I	2.00
MUSIC 133	Guitar II	2.00
MUSIC 150X4	Concert Choir	1.00
MUSIC 164X4	Concert Band	2.00
MUSIC 174X4	Jazz Band	1.00
MUSIC 179X4	Contemporary Ensemble	2.00
MUSIC 232	Guitar III	2.00
MUSIC 233	Guitar IV	2.00
MUSIC 247A	Special Projects in Music	1.00 - 3.00
MUSIC 247B	Special Projects in Music	1.00 - 3.00
MUSIC 247C	Special Projects in Music	1.00 - 3.00
MUSIC 247D	Special Projects in Music	1.00 - 3.00

Students must complete at least three (3) additional units from the following:

MUSIC 100	Fundamental Skills in Music	3.00
MUSIC 103 or MUSIC 103H	Appreciation of American Popular Music	3.00
MUSIC 134	Jazz History	3.00
MUSIC 180X4	Musical Theatre Workshop	2.00
MUSIC 190	Songwriting and Composition	3.00
MUSIC 195	Music Technology and Recording	4.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Demonstrate the ability to read and write standard notation: Given a piece of music in standard notation, demonstrate the ability to read and perform, ability to construct a Baroque style 4 voice harmonic progression.
- Perform at a College Level: Demonstrate through jury, ensemble performance, or recital the ability to play a piece from the body of Western Classical Literature.
- Demonstrate the basic ability to analyze music: Given a Bach chorale (or similar), demonstrate the ability to analyze harmonic concepts.
- Identify historical and cultural events and persons within Western music: Demonstrate (through exam, portfolio or project) a general knowledge of composers, dates, time periods, and instrument histories from the Middle Ages through 21st Century.
- Sight sing and dictate melodic and harmonic progressions: Demonstrate through proficiency exam the ability to sight sing tonal melodies and intervals to the octave.
- Perform proficiently on the piano: Demonstrate the ability to play Major and minor scales, chords, arpeggios and Common Practice Era literature on the piano.

Music Technology and Songwriting Fundamentals Certificate

The objective of this certificate is to provide students the knowledge and skills necessary to prepare for employment in entry-level positions in music technology, songwriting and composition environments. This certificate indicates that the student has acquired knowledge of different aspects of music technology including recording, amplification, installation, and organizational aspects of the industry.

Major/Program Requirements

Required Courses:

MUSIC 190	Songwriting and Composition	3.00
MUSIC 195	Music Technology and Recording	4.00

Music Technology, Composition and Songwriting Certificate

The objective of this certificate is to provide students the knowledge and skills necessary to prepare for employment in entry-level positions in music creation and production environments. This certificate indicates that the student has acquired knowledge of different aspects of music technology including recording, amplification, installation, and organizational aspects of the industry, as well as knowledge of music theory.

Major/Program Requirements

Required Courses:

MUSIC 101	Music Theory I	4.00
MUSIC 102	Music Theory II	4.00
MUSIC 190	Songwriting and Composition	3.00
MUSIC 195	Music Technology and Recording	4.00

Philosophy (PHIL)

Department: Social Science

Faculty Chair: Julie McKee, M.A. & Jeff Cervantez, Ph.D.

Faculty: Jeff Cervantez, Ph.D.

Associate in Arts in Philosophy for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Philosophy at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Philosophy or a related field of study.

Major/Program Requirements

Required Courses:

PHIL 101 or PHIL 101H	Introduction to Philosophy	3.00
PHIL 103	Introduction to Logic: Argument and Evidence	3.00
PHIL 105 or PHIL 105H	Introduction to Ethics: Moral Values in Today's Society	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00
RELIG 113	Introduction to Eastern Religions	3.00

Students must complete three (3) additional units from the following courses:

ANTHRO 110 or RELIG 110	Tribal and Ethnic Religions	3.00
HIST 135 or RELIG 135	Religion in America	3.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00
RELIG 100 or RELIG 100H	Introduction to Religious Studies	3.00
RELIG 120	Introduction to Islam	3.00
RELIG 175 or ENGL 175	Literature and Religion of the Bible	3.00
RELIG 176	Jesus and His Interpreters	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Philosophy - Associate of Arts Degree

Major/Program Requirements

Required Courses:

PHIL 101 or PHIL 101H	Introduction to Philosophy	3.00
PHIL 105 or PHIL 105H	Introduction to Ethics: Moral Values in Today's Society	3.00

Students must complete at least six (6) units from the following courses:

HIST 170 or HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
HIST 171 or HIST 171H	World Civilizations (1500 CE to the Present)	3.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00

Students must complete at least six (6) additional units from the following courses:

ANTHRO 110 or RELIG 110	Tribal and Ethnic Religions	3.00
PHIL 103	Introduction to Logic: Argument and Evidence	3.00
RELIG 100 or RELIG 100H	Introduction to Religious Studies	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00
RELIG 113	Introduction to Eastern Religions	3.00
RELIG 176	Jesus and His Interpreters	3.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Differentiate and outline the relationship between the major fields and subfields of philosophy
- Describe key terms within philosophy
- Discuss and contrast three major philosophical schools
- When given a transcript of a hypothetical debate on an ethical issue, identify, discuss, explain and analyze philosophical assumptions and inconsistencies

Physics (PHYSIC)

Department: Physical & Biological Sciences

Faculty Chair: Sam Truong, M.D.

Faculty: Matthew Adams, Ph.D.

Associate in Science in Physics for Transfer (AS-T) Degree

The Associate in Science-Transfer (AS-T) degree in Physics at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in physics, astronomy, astrophysics or a related field of study.

Major/Program Requirements

Required Courses:

PHYSIC 250	College Physics I	4.00
PHYSIC 251	College Physics II	4.00
PHYSIC 252	College Physics III	4.00
MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00
MATH 252	Multivariable Calculus	5.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Physics - Associate of Science Degree

Major/Program Requirements

Required Courses:

PHYSIC 250	College Physics I	4.00
PHYSIC 251	College Physics II	4.00
PHYSIC 252	College Physics III	4.00
CHEM 150 or CHEM 150H	General Chemistry I	5.00
CHEM 151 or CHEM 151H	General Chemistry II	5.00
MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00
MATH 252	Multivariable Calculus	5.00

Recommended Courses:

MATH 266	Introduction to Ordinary Differential Equations	4.00
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Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Demonstrate general knowledge of the scientific concepts as appropriate for courses in physics
- Display critical thinking skills by applying their general knowledge of the scientific concepts in courses in physics

- Establish critical thinking skills by solving mathematical problems as appropriate for courses in physics
- Exhibit basic laboratory skills and write a well-organized and information lab report as appropriate for courses in physics

Political Science (POLIT)

Department: Social Science

Faculty Chair: Julie McKee, M.A. & Jeff Cervantez, Ph.D.

Faculty: Steven Hellerman, M.A.

Associate in Arts in Political Science for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Political Science at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Political Science or a related field of study.

Major/Program Requirements

Required Courses:

POLIT 100 or POLIT 100H	American Politics	3.00
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Students must complete at least nine (9) units from the following courses:

POLIT 104	Introduction to Comparative Politics	3.00
POLIT 106	Introduction to World Politics	3.00
POLIT 110	Introduction to Political Theory	3.00
MATH 110	Introduction to Probability and Statistics	4.00
	OR	
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00

Students must complete at least six (6) additional units from the following courses:

POLIT 102	California Politics and Culture	3.00
MATH 110	Introduction to Probability and Statistics	4.00
	OR	
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00
ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
ECON 100	Introduction to Economics	3.00
ECON 200 or ECON 200H	Principles of Macroeconomics	3.00
ECON 201 or ECON 201H	Principles of Microeconomics	3.00
GEOG 120	World Regional Geography	3.00
HIST 100 or HIST 100H	History of the United States to 1877	3.00
HIST 101 or HIST 101H	History of the United States 1865 to Present	3.00
HIST 170 or HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
HIST 171 or HIST 171H	World Civilizations (1500 CE to the Present)	3.00
PSYCH 100 or PSYCH 100H	General Psychology	3.00

SOC 100 or SOC 100H	Introduction to Sociology	3.00
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Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Define "politics" and its influence on individuals within society and society as a whole, demonstrating awareness of the context or opportunities for individual or group participation and efficacy in politics
- Recognize, describe and analyze the significant and usually direct influence of social, economic and cultural factors on political behavior and beliefs
- Define and distinguish between human rights, civil liberties and civil rights
- Identify and employ the pertinent vocabulary of political discourse and political science
- Recognize, describe and analyze liberal democracy in comparison to non-democratic forms of government
- Recognize and distinguish between the various forms of democracy, as well as between different types of non-democratic governments, movements and ideologies
- Identify and describe the major political institutions found in both the United States and other nations in the world

Political Science - Associate of Arts Degree

Major/Program Requirements

Required Courses:

POLIT 100 or POLIT 100H	American Politics	3.00
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Students must complete at least six (6) units from the following list:

POLIT 102	California Politics and Culture	3.00
POLIT 104	Introduction to Comparative Politics	3.00
POLIT 106	Introduction to World Politics	3.00
POLIT 110	Introduction to Political Theory	3.00

Students must complete at least six (6) additional units from the following list:

HIST 100 or HIST 100H	History of the United States to 1877	3.00
HIST 101 or HIST 101H	History of the United States 1865 to Present	3.00
HIST 170 or HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
HIST 171 or HIST 171H	World Civilizations (1500 CE to the Present)	3.00

Students must complete at least three (3) additional units from the following list:

ECON 100	Introduction to Economics	3.00
ECON 200 or ECON 200H	Principles of Macroeconomics	3.00

ECON 201 or ECON 201H	Principles of Microeconomics	3.00
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Recommended Courses

It is recommended that students complete their general education requirements in physical and biological sciences and mathematics by taking the following courses:

ANTHRO 106 or ANTHRO 106H	Biological Anthropology	3.00
GEOG 110 or GEOG 110H	Physical Geography	3.00
GEOG 111 or GEOG 111H	Physical Geography Laboratory	1.00
MATH 110	Introduction to Probability and Statistics	4.00
	OR	
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

Psychology (PSYCH)

Department: Human Development

Faculty Chair: Meridyth McLaren, M.S.

Faculty: T.L. Brink, Ph.D., Diane Pfahler, Ph.D., Gary Williams, Ph.D.

Associate in Arts in Psychology for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Psychology at Crafton Hills College is designed to meet the needs of students transferring to a California State University or University of California who intend to major in Psychology or a related field of study.

Major/Program Requirements

Required Courses:

BIOL 100	General Biology	4.00
PSYCH 100 or PSYCH 100H	General Psychology	3.00
PSYCH 101	Research Methods	3.00
PSYCH 111	Developmental Psychology: Lifespan	3.00
MATH 110	Introduction to Probability and Statistics	4.00
	OR	
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00

Students must complete at least three (3) units from the following courses:

PSYCH 102	Personal and Social Adjustment	3.00
PSYCH 103	Theories of Personality	3.00
PSYCH 110	Abnormal Psychology	3.00
PSYCH 118	Human Sexual Behavior	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Psychology - Associate of Arts Degree

Psychology is one of the most popular majors because it is so useful in research, counseling, human services, marketing, management, emergency services, and law. At Crafton Hills College, this major is supported by a very active student club.

Major/Program Requirements

Required Courses:

BIOL 100	General Biology	4.00
PSYCH 100 or PSYCH 100H	General Psychology	3.00
PSYCH 101	Research Methods	3.00
PSYCH 111	Developmental Psychology: Lifespan	3.00
MATH 110	Introduction to Probability and Statistics	4.00
	OR	
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00

Students must complete at least six (6) additional units from the following courses:

PSYCH 102	Personal and Social Adjustment	3.00
PSYCH 103	Theories of Personality	3.00
PSYCH 110	Abnormal Psychology	3.00
PSYCH 118	Human Sexual Behavior	3.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

Radiologic Technology (RADIOL)

Department: Allied Health Services

Faculty Chair: Michael Sheahan, M.A.

Radiologic Technology - Associate of Science Degree

Radiologic Technology is a fully accredited, hospital-based program sponsored by Arrowhead Regional Medical Center (ARMC). The program is affiliated with Crafton Hills College and accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT).

NOTE: Prior to starting this degree the student must show proof of a clear criminal background check.

Major/Program Requirements

Required Courses:

RADIOL 100	Introduction to Radiologic Technology	1.50
RADIOL 103	Radiographic Positioning I	1.00
RADIOL 104	Radiologic Physics I	1.50
RADIOL 105	Radiographic Anatomy/ Physiology I	1.00
RADIOL 106	Radiographic Positioning Lab I	0.50
RADIOL 107	Basic Radiologic Medical Techniques	1.50
RADIOL 108	Radiation Protection I	1.25
RADIOL 109	Radiologic Physics II	1.25
RADIOL 110	Radiographic Exposure I	1.00
RADIOL 111	Radiographic Image Critique I	1.00
RADIOL 112	Radiographic Positioning II	1.25
RADIOL 113	Radiographic Anatomy/Physiology II	1.25
RADIOL 114	Radiographic Positioning Lab II	0.50
RADIOL 115	Radiographic Clinic I	10.25
RADIOL 116	Radiographic Exposure II	1.00
RADIOL 117	Radiographic Clinic II	13.75
RADIOL 200	Radiation Protection II	1.50
RADIOL 202	Radiographic Image Critique II	1.00
RADIOL 203	Radiographic Positioning III	1.25
RADIOL 204	Radiographic Anatomy/Physiology III	1.25
RADIOL 205	Radiographic Positioning Lab III	0.50
RADIOL 215	Radiography Registry Review and Testing I	3.00
RADIOL 207	Radiographic Fluoroscopic Imaging	1.50
RADIOL 208	Radiography Registry Review and Testing II	3.00
RADIOL 209	Radiographic Pathology	1.00
RADIOL 210	Radiographic Positioning IV	1.25
RADIOL 211	Radiographic Anatomy/Physiology IV	1.25
RADIOL 212	Special Procedures in Radiology	1.25
RADIOL 213	Radiographic Clinic III	12.00
RADIOL 214	Radiographic Clinic IV	12.50

Total Credit Hours: 81.75

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

Radiologic Technology Certificate

NOTE: Prior to starting this program the student must show proof of a clear criminal background check.

The objective of this certificate is to prepare students to be competent practitioners in the field of radiography. Completion of the certificate will prepare the student to be eligible for the state and national board examinations and for entry-level employment in radiography. Radiologic Technology is an accredited, hospital-based program sponsored by Arrowhead Regional Medical Center (ARMC). The program is affiliated with Crafton Hills College and accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Program applications and transcripts must be filed at ARMC School of Radiologic Technology by April 1st. Application packets are available from October through February of each year. Contact the Program Director at ARMC at 909.580.3540 for information on the program and application materials. Visit the website www.arrowheadmedcenter.org. In 2015 all students will require an Associate degree in order to receive a certificate of completion from the Radiologic Technology program.

Admission: The Admissions Committee selects students on the basis of their college grades, satisfactory completion of prerequisite courses, and a personal interview. Interviews are granted to thirty applicants who have completed all prerequisite courses with a minimum 2.5 GPA and have submitted a complete application package with the non-refundable fee. The Admissions Committee selects eight students and four alternates.

MINIMUM QUALIFICATIONS: To be considered for a personal interview, the applicant must: submit a completed application package and fee; provide a copy of their high school diploma or GED; successfully complete the college prerequisites listed below plus completion of GE requirements for an AA or AS degree.

Major/Program Requirements

Minimum Qualifications:

To be considered for a personal interview the applicants must: submit a completed application package and fee; provide a copy of their high school diploma or GED; successfully complete the college prerequisites listed below:

Prerequisites

Students may substitute equivalent or advanced level courses for the following prerequisite courses:

RADIOL 090	Survey of Radiologic Technology	1.50
HIT 101	Medical Terminology	3.00
ANAT 101	Essentials of Human Anatomy and Physiology	4.00
ENGL 101 or ENGL 101H	Freshman Composition	4.00
CIS 101 or BUSAD 230	Introduction to Computer and Information Technology	3.00
MATH 095	Intermediate Algebra	4.00

Required First Semester Courses

RADIOL 100	Introduction to Radiologic Technology	1.50
RADIOL 103	Radiographic Positioning I	1.00
RADIOL 104	Radiologic Physics I	1.50
RADIOL 105	Radiographic Anatomy/ Physiology I	1.00
RADIOL 106	Radiographic Positioning Lab I	0.50
RADIOL 107	Basic Radiologic Medical Techniques	1.50

RADIOL 110	Radiographic Exposure I	1.00
RADIOL 115	Radiographic Clinic I	10.25

Required Second Semester Courses

RADIOL 108	Radiation Protection I	1.25
RADIOL 109	Radiologic Physics II	1.25
RADIOL 111	Radiographic Image Critique I	1.00
RADIOL 112	Radiographic Positioning II	1.25
RADIOL 113	Radiographic Anatomy/Physiology II	1.25
RADIOL 114	Radiographic Positioning Lab II	0.50
RADIOL 116	Radiographic Exposure II	1.00
RADIOL 117	Radiographic Clinic II	13.75

Required Third Semester Courses

RADIOL 200	Radiation Protection II	1.50
RADIOL 202	Radiographic Image Critique II	1.00
RADIOL 203	Radiographic Positioning III	1.25
RADIOL 204	Radiographic Anatomy/Physiology III	1.25
RADIOL 205	Radiographic Positioning Lab III	0.50
RADIOL 213	Radiographic Clinic III	12.00
RADIOL 215	Radiography Registry Review and Testing I	3.00

Required Fourth Semester Courses

RADIOL 207	Radiographic Fluoroscopic Imaging	1.50
RADIOL 208	Radiography Registry Review and Testing II	3.00
RADIOL 209	Radiographic Pathology	1.00
RADIOL 210	Radiographic Positioning IV	1.25
RADIOL 211	Radiographic Anatomy/Physiology IV	1.25
RADIOL 212	Special Procedures in Radiology	1.25
RADIOL 214	Radiographic Clinic IV	12.50

Total Credit Hours: 101.25

A student receiving a certificate in this field will be able to:

- Successfully perform the entry level skills necessary for employment as a Radiologic Technologist
- Problem solve, critically think, and communicate at a level to meet the demands of employers
- Successfully complete requirements for certification and employment
- Display professional values and good ethical behaviors
- Continue personal and professional growth through out their lifetime

Religious Studies (RELIG)

Department: Social Science

Faculty Chair: Julie McKee, M.A. & Jeff Cervantez, Ph.D.

Faculty: Jeff Cervantez, Ph.D., T.L. Brink, Ph.D.

Religious Studies - Associate of Arts Degree

Major/Program Requirements

Required Courses:

RELIG 100 or RELIG 100H	Introduction to Religious Studies	3.00
RELIG 101 or RELIG 101H	Introduction to World Religions	3.00

Students must complete at least six (6) units from the following courses:

HIST 170 or HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
HIST 171 or HIST 171H	World Civilizations (1500 CE to the Present)	3.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00

Students must complete at least six (6) additional units from the following courses:

ANTHRO 110 or RELIG 110	Tribal and Ethnic Religions	3.00
RELIG 113	Introduction to Eastern Religions	3.00
RELIG 135 or HIST 135	Religion in America	3.00
RELIG 175 or ENGL 175	Literature and Religion of the Bible	3.00
RELIG 176	Jesus and His Interpreters	3.00
PHIL 101 or PHIL 101H	Introduction to Philosophy	3.00
PHIL 105 or PHIL 105H	Introduction to Ethics: Moral Values in Today's Society	3.00
ENGL 150	Classical Mythology	3.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

Respiratory Care (RESP)

Department: Allied Health Services

Faculty Chair: Michael Sheahan, M.A.

Faculty: Reynaldo Bell, B.S., Daniel Rojas, B.S., Michael Sheahan, M.A.

Respiratory Care - Associate of Science Degree

Crafton Hills College offers the Respiratory Care Program. Admission is open to all students who have completed the prerequisite courses. Contact the program Office at (909) 389-3286 for more information about application materials and registration procedures. The Respiratory Care program at Crafton Hills College is accredited by the Commission on Accreditation for Respiratory Care (www.coarc.com).

Contact:

Commission on Accreditation for Respiratory Care

1248 Harwood Road

Bedford, TX 76021-4244

(817) 283-2835

Enrollment is limited to 35 students. Acceptance will be based on a point system. Students must complete RESP 050 (Introduction to Respiratory Care), AH 101 (Medical Terminology), and ANAT 101 (Essentials of Human Anatomy and Physiology) and will have three points. Additional points can be earned with the completion of MICRO 102 (Introductory Microbiology), CHEM 101 (Introduction to Chemistry), or general education units required for an Associate of Science Degree and/or completion of an Associate degree or higher. Students with six points will be accepted first, then students with five points, etc., until all 35 seats are filled. It is definitely to a student's advantage to have all six points.

NOTE: Prior to acceptance in this program, the student must show proof of a clear criminal background check. All prospective students must submit a high school diploma or equivalent before acceptance into the program. If courses are being transferred from other colleges, sealed transcripts must be submitted to the Program Office and Admissions & Records.

Major/Program Requirements

Preadmission Courses:

RESP 050	Introductory to Respiratory Care	2.00
HIT 101	Medical Terminology	3.00
ANAT 101	Essentials of Human Anatomy and Physiology	4.00

Additional entrance points and required courses for the certificate and degree:

MICRO 102	Introductory Microbiology	4.00
CHEM 101	Introduction to Chemistry	4.00

General Education courses required for an Associate of Science Degree in Registry Eligible Respiratory Therapy. Please see a counselor for additional information.

Required Courses:

RESP 051	Cardiopulmonary Resuscitation: Basic Life Support Healthcare Provider	1.00
RESP 130	Fundamentals of Respiratory Care I	4.00

RESP 131	Fundamentals of Respiratory Care Skills I	11.00
RESP 132	Pulmonary Assessment	4.50
RESP 133	Respiratory Care Clinical Application I	1.50
RESP 134	Introduction to Pharmacology and Drug Therapy	4.50
RESP 135	Fundamentals of Respiratory Care II	4.00
RESP 136	Fundamentals of Respiratory Care Skills II	5.50
RESP 137	Respiratory Care Clinical Application II	9.00
RESP 138	Clinical Medicine I	1.50
RESP 139	Perinatal and Pediatric Respiratory Care	4.50
RESP 230	Advanced Theory of Respiratory Care I	2.50
RESP 231	Advanced Respiratory Care Skill Laboratory I	3.00
RESP 232	Physiologic Basis of Respiratory Disease I	2.50
RESP 233	Advanced Respiratory Care Clinical Application I	4.00
RESP 234	Advanced Theory of Respiratory Care II	4.00
RESP 235	Physiologic Basis of Respiratory Disease II	5.00
RESP 236	Advanced Respiratory Care Clinical Application II	9.00
RESP 237	Advanced Respiratory Care Skills Laboratory II	5.50
RESP 238	Entry Level and Advanced Practitioner Examinations: Review and Seminar	5.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Demonstrate professional behaviors consistent with employer expectations as an advanced-level respiratory therapist
- Comprehend, apply and evaluate clinical information relevant to their roles as an advanced-level therapist
- Display the technical proficiency in all the skills necessary to fulfill their roles as an advanced-level therapist

NOTES:

- Prior to starting this program the student must show proof of a clear criminal background check
- Programs begins Fall semester only
- All courses in Respiratory Care must be completed within a five-year period
- A successful passing score on the NBRC secured Entry Level, Registry Written and the Clinical Simulation Self-Assessment Examinations is required for completion of the A.S. Degree in Respiratory Care. Failure to pass one of the exams will require reenrollment in RESP 238 (p. 238), Entry Level and Advanced Practitioner Examinations: Review and Seminar in the Fall Semester
- CHEM 101 (p. 159) and MICRO 102 (p. 218) are also required for the degree
- All courses applied to the A.S. Degree in Respiratory Care must be completed with a grade of "C" or higher.

Sociology (SOC)

Department: Social Science

Faculty Chair: Julie McKee, M.A. & Jeff Cervantez, Ph.D.

Faculty: Julie McKee, M.A.

Associate in Arts in Sociology for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Sociology at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Sociology or a related field of study.

Major/Program Requirements

Required Courses:

SOC 100 or SOC 100H	Introduction to Sociology	3.00
SOC 105	Social Problems	3.00
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00
	OR	
MATH 110	Introduction to Probability and Statistics	4.00

Students must complete at least six (6) units from the following courses:

SOC 130	Marriage, Family and Intimate Relationships	3.00
SOC 141	Minority Relations	3.00
SOC 145	Sex, Gender and Society	3.00

Students must complete at least three (3) additional units from the following courses:

SOC 130	Marriage, Family and Intimate Relationships	3.00
SOC 141	Minority Relations	3.00
SOC 145	Sex, Gender and Society	3.00
SOC 150	Gerontology	3.00
ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
PSYCH 100 or PSYCH 100H	General Psychology	3.00
POLIT 100 or POLIT 100H	American Politics	3.00
ECON 100	Introduction to Economics	3.00

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Sociology - Associate of Arts Degree

Major/Program Requirements

Required Courses:

SOC 100 or SOC 100H	Introduction to Sociology	3.00
SOC 105	Social Problems	3.00
SOC 141	Minority Relations	3.00

Students must complete at least six (6) units from the following courses:

ANTHRO 102 or ANTHRO 102H	Cultural Anthropology	3.00
GEOG 102 or GEOG 102H	Cultural Geography	3.00
PSYCH 100 or PSYCH 100H	General Psychology	3.00
MATH 110	Introduction to Probability and Statistics	4.00
	OR	
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00

Students must complete at least three (3) additional units from the courses listed above or the following courses:

SOC 130	Marriage, Family and Intimate Relationships	3.00
SOC 150	Gerontology	3.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

Spanish (SPAN)

Department: Communication & Language

Faculty Chair: Breanna Andrews, M.A. & Rick Hogrefe, M.A.

Faculty: Marina Kozanova, M.A., Jeff Schmidt, M.A.

Associate in Arts in Spanish for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Spanish at Crafton Hills College is designed to meet the needs of students transferring to California State University who intend to major in Spanish or a related field of study.

Major/Program Requirements

Required Courses:

SPAN 101	College Spanish I	5.00
SPAN 102	College Spanish II	5.00
SPAN 103	College Spanish III	5.00
SPAN 104	College Spanish IV	5.00

Students must complete at least three (3) units from the following courses:

ENGL 163	Chicano/Latino Literature	3.00
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Total Credit Hours: 23.00

Substitution courses: If a student places out of a required course, the student will need to take additional units to compensate for the course. Substitution courses are only permitted for those students who have placed out of one or more of the following courses required for the major: Spanish 101, Spanish 102 and Spanish 103. Spanish 104 cannot be substituted.

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

Spanish - Associate of Arts Degree

Major/Program Requirements

Required Courses:

SPAN 101	College Spanish I	5.00
SPAN 102	College Spanish II	5.00
SPAN 103	College Spanish III	5.00
SPAN 104	College Spanish IV	5.00

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Demonstrate language proficiency by writing and speaking Spanish at a beginning to intermediate level
- Interpret written and spoken messages in Spanish at a beginning to intermediate level

- Demonstrate appropriate knowledge of the Spanish-speaking world regarding social interactions, beliefs, values, arts, literature, music and geography
- Define the concept of culture, appreciate other cultures and interact with members of those cultures in relation to their own
- Apply their knowledge of Spanish language and culture beyond the classroom in interactions within multicultural communities and the world

Theatre Arts (THART)

Department: Fine Arts

Faculty Chair: Snezana Petrovic, M.F.A.

Faculty: Tom Bryant, M.F.A.

Associate in Arts in Theatre Arts for Transfer (AA-T) Degree

An Associate in Arts-Transfer (AA-T) degree in Theatre Arts at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Theatre Arts or a related field of study.

Major/Program Requirements

Required Courses:

THART 100 or THART 100H	Introduction to Theatre	3.00
THART 108 or ENGL 108	World Drama I	3.00
THART 120	Beginning Acting	3.00
THART 124X2	Beginning Performance Workshop	3.00
	OR	
THART 134X4	Technical Theatre Workshop	1.00

THART 134X4: must be taken three times

Students must complete at least nine (9) units from the following courses:

THART 124X2	Beginning Performance Workshop	3.00
THART 134X4	Technical Theatre Workshop	1.00
THART 176	Fundamentals of Stagecraft I	3.00
THART 179	Fundamentals of Stagecraft II	3.00
THART 220	Intermediate Acting	3.00
THART 226 or ENGL 226	Play and Screenplay Analysis	3.00

THART 124X2: if not taken above

THART 134X4: may be taken three times if not taken above

Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring (IGETC or CSUGE Breadth). See a counselor for details. Information is also available at www.assist.org.

A student receiving a degree in this field will be able to:

- Demonstrate the ability to read an excerpt of a play news copy or other text using proper voice and diction
- Analyze a play text and then use the psychophysical techniques of the Stanislavski system to internalize an appropriate imagined reality in order to create believable characters, realities and interplay on stage
- Demonstrate the ability to co-operate in a group situation with other students to collectively prepare, organize and produce work either as an actor, musician, dancer, performer, director, technician or designer
- Demonstrate the ability to be successfully complete a design process in set, light, sound and costume design, and to prepare, construct

and set up technical elements in collaboration with others in the technical production of a show

- Recognize and categorize different types of plays and theatrical styles according to historical period, genre and dramatic effect and how they are related to the social, political, or cultural issues in a given historical period, country, cultural context or era
- Analyze a play and describe how the basic elements of plot, character, theme and language are specifically handled to produce a particular dramatic style or dramatic effect and employ critical thinking skills to analyze dramatic literature and cultural context during class discussions and to prepare and produce written papers that demonstrate analytical skill

Theatre Arts - Associate of Arts Degree

The Theatre Arts program is designed to provide:

- Preparation for transfer to a four year college theatre program with a course of study that results in a BA or BFA degree
- An AA degree representing equivalent of the first two years of a course of study in a four year college theatre program. The normal course of study in four year programs features a variety of classes in a track program format that develops the different aspects of theatre performance and technical skills such as acting, voice and diction, dance, production experience, stage craft, introduction to theatre, theatre history, directing, audition technique and text analysis.
- The program is also designed to provide courses such as Introduction to Theatre that fulfill general education requirements and courses of popular interest for non theatre major students such as dance and acting.

Major/Program Requirements

Required Courses:

THART 100 or THART 100H	Introduction to Theatre	3.00
THART 120	Beginning Acting	3.00

STUDENTS MUST CHOOSE ONE AREA OF EMPHASIS FROM THE FOLLOWING TWO (2) EMPHASIS OPTIONS:

Emphasis in Performance:

THART 110 or COMMST 110	Voice and Diction	3.00
THART 220	Intermediate Acting	3.00
THART 221	Advanced Acting	3.00
THART 124X2	Beginning Performance Workshop	3.00
THART 134X4	Technical Theatre Workshop	1.00
THART 140X2	Intermediate Performance Workshop	3.00

NOTE: THART 124X2 and THART 134X4 must be taken two times.

NOTE: Students may substitute THART 140X2 in lieu of THART 124X2. See a counselor for details.

Recommended Courses:

THART 140X2	Intermediate Performance Workshop	3.00
THART 145	Advanced Theatre Practicum I	3.00
THART 245	Advanced Theatre Practicum II	3.00
THART 226 or ENGL 226	Play and Screenplay Analysis	3.00

Emphasis in Theatre Technology:

THART 176	Fundamentals of Stagecraft I	3.00
THART 179	Fundamentals of Stagecraft II	3.00
THART 134X4	Technical Theatre Workshop	1.00
THART 145	Advanced Theatre Practicum I	3.00
THART 245	Advanced Theatre Practicum II	3.00

THART 134X4: must be taken two times

Lower division requirements for students interested in transferring to a four-year institution in this field may differ from associate degree requirements. Prospective transfer students should complete the general education and lower division requirements of the school to which they will be transferring. See a counselor for details. Information is also available at www.assist.org.

COURSES

Course Abbreviations

Accounting	ACCT
American Sign Language	ASL
Anatomy	ANAT
Anthropology	ANTHRO
Arabic	ARABIC
Art	ART
Astronomy	ASTRON
Biology	BIOL
Business Administration	BUSAD
Chemistry	CHEM
Child Development	CD
College Life	CHC
Communication Studies	COMMST
Computer Information Systems	CIS
Computer Science	CSCI
Counseling	COUN
Dance	DANCE
Economics	ECON
Education	EDU
Educational Assistance	EA
Emergency Medical Services	EMS
Engineering	ENGR
English	ENGL
English as a Second Language (Noncredit)	ESL/N
Environmental Science	ENVS
Fire Technology	FIRET
Geography	GEOG
Geology	GEOL
Health Education	HEALTH
History	HIST
Humanities	HUM
Japanese	JAPN
Journalism	JOUR
Kinesiology	KIN
Kinesiology – Athletics	KIN/X

Kinesiology – Dance	KIN/D
Kinesiology – Fitness Activities	KIN/F
Kinesiology – Sports Activities	KIN/S
Learning Resources	LRC
Library Science	LIBR
Marketing	MARKET
Mathematics	MATH
Mathematics (Noncredit)	MATH/N
Microbiology	MICRO
Music	MUSIC
Oceanography	OCEAN
Philosophy	PHIL
Physical Science	PS
Physics	PHYSIC
Political Science	POLIT
Psychology	PSYCH
Public Safety and Services	PBSF
Radiologic Technology	RADIOL
Reading and Study Skills	READ
Religious Studies	RELIG
Respiratory Care	RESP
Short Term Vocational (Noncredit)	VOC/N
Sociology	SOC
Social Work	SOWO
Spanish	SPAN
Surveying and Mapping Sciences	SMS
Theatre Arts	THART
Work Experience	WKEXP
Writing (Noncredit)	WRIT/N

Numbering of Courses

010 - 099	Multipurpose courses, but not generally applicable to the Baccalaureate degree.
100 - 299	Basic lower division courses applicable to the Associate degree; may also apply to the Baccalaureate degree.
500 - 599	Continuing education courses offered by an outside agency at an off-campus location. Courses are applicable to the Associates degree.
900 - 999	Courses not applicable to the Associate degree.

Course Transferability

Many courses numbered 100 through 299 are acceptable for transfer to the California State University and the University of California. Courses that are transferable to these universities will have CSU and/or UC printed directly beneath the title of the course. If CSU or UC is followed by an asterisk (*), there may be a limitation on the credit allowed. Please check with a counselor for specific details. Courses that apply to the Associate degree are indicated under the course title.

Course Identification Numbering System (C-ID)

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number next to a course indicates that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of different titles or numbers. If a schedule of classes or catalog lists a course with a C-ID number (for example COMM 110) students at that college can be assured that it will be accepted in lieu of a course with the C-ID COMM 110 designation at another community college. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. However, students should always go to www.assist.org to confirm how each college's course will be accepted at a particular four-year college or university for transfer credit.

The C-ID numbering system is useful for students attending more than one community college and is applied to many of the transferable courses students need as preparation for transfer. Because these course requirements may change and because courses may be modified and added to or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer.

Students may consult the ASSIST database at www.assist.org for specific information on C-ID course designations. Counselors are available to help students interpret or explain this information. Courses that qualify as C-ID are located in section VII.

Current Crafton Hills College Courses with C-ID Assignment

C-ID Descriptor	CHC Course(s)
ACCT 110	ACCT-208
ACCT 120	ACCT-209
ANTH 110	ANTHRO-106, ANTHRO-106H
ANTH 120	ANTHRO-102, ANTHRO-102H
ANTH 150	ANTHRO-100
ARTH 110	ART-100, ART-100H
ARTS 100	ART-120
ARTS 101	ART-121
ARTS 110	ART-124
ARTS 200	ART-132
ARTS 205	ART-125

ARTS 210	ART-126
BIOL 115S	ANAT-150, ANAT-151
BIOL 140	BIOL-131, BIOL-131H
BIOL 190	BIOL-130, BIOL-130H
BUS 110	BUSAD-100
BUS 115	BUSAD-145, COMMST-145
BUS 125	BUSAD-210
BUS 140	BUSAD-230, CIS-101
CDEV 100	CD-105
CDEV 110	CD-126
CHEM 110	CHEM-150, CHEM-150H
CHEM 120S	CHEM-150, CHEM-150H, CHEM-151, CHEM-151H
CHEM 150	CHEM-212
CHEM 160S	CHEM-212, CHEM-213
COMM 110	COMMST-100, COMMST-100H
COMM 120	COMMST-125, COMMST-125H
COMM 130	COMMST-111, COMMST-111H
COMM 140	COMMST-140
COMM 150	COMMST-174
COMM 170	COMMST-120, COMMST-120H
COMP 122	CSCI-110
COMP 132	CSCI-120
COMP 142	CSCI-240
COMP 152	CSCI-200, MATH-200
ECE 200	CD-212
ECE 210	CD-205
ECE 220	CD-115
ECE 230	CD-182
ECON 201	ECON-201, ECON-201H
ECON 202	ECON-200, ECON-200H
ENGL 100	ENGL-101, ENGL-101
ENGL 105	ENGL-102, ENGL-102H
ENGL 120	ENGL-152, ENGL-152H
ENGL 130	ENGL-260
ENGL 135	ENGL-261
ENGL 140	ENGL-280
ENGL 145	ENGL-281
ENGL 160	ENGL-270

ENGL 165	ENGL-271
ENGL 180	ENGL-155, ENGL-155H
ENGL 200	ENGL-232
GEOG 110	GEOG-110, GEOG-110H
GEOG 111	GEOG-111, GEOG-111H
GEOG 115	GEOG-110, GEOG-110H, GEOG-111, GEOG-111H
GEOG 120	GEOG-102, GEOG-102H
GEOG 125	GEOG-120
GEOG 130	GEOG-114, GEOG-115
GEOG 140	GEOG-126
GEOL 100	GEOL-101, GEOL-101H
GEOL 100L	GEOL-160
GEOL 101	GEOL-100, GEOL-100H
GEOL 110	GEOL-113
GEOL 111	GEOL-112
GEOL 120	GEOL-140
GEOL 120L	GEOL-141194
GEOL 130	GEOL-150, GEOL-150H
GEOL 200	GEOL-250
HIST 130	HIST-100, HIST-100H
HIST 140	HIST-101, HIST-101H
JOUR 100	COMMST-135, JOUR-135
JOUR 110	ENGL-120, JOUR-120
KIN 100	KIN-200
KIN 101	KIN-231
MATH 110	MATH-110, PSYCH-120
MATH 120	MATH-106216
MATH 140	MATH-141
MATH 210	MATH-250
MATH 220	MATH-251
MATH 230	MATH-252
MATH 250	MATH-265
MATH 900S	MATH-250, MATH-251
MUS 100	MUSIC-120, MUSIC-120H
MUS 110	MUSIC-100
MUS 120	MUSIC-101
MUS 125	MUSIC-101
MUS 130	MUSIC-102

MUS 135	MUSIC-102
MUS 150	MUSIC-202
MUS 160	MUSIC-141X4
MUS 180	MUSIC-150X4, MUSIC-164X4 MUSIC-174X4
PHIL 100	PHIL-101
PHIL 120	PHIL-105, PHIL-105H
PHYS 100S	PHYSIC-110, PHYSIC-111
PHYS 105	PHYSIC-110
PHYS 110	PHYSIC-111
PHYS 200S	PHYSIC-250, PHYSIC-251, PHYSIC-252
PHYS 205	PHYSIC-250
PHYS 210	PHYSIC-251
PHYS 215	PHYSIC-252
POLS 110	POLIT-100, POLIT-100H
POLS 120	POLIT-110
POLS 130	POLIT-104
POLS 140	POLIT-106
PSY 110	PSYCH-100, PSYCH-100H
PSY 115	PSYCH-102
PSY 120	PSYCH-110
PSY 130	PSYCH-118
PSY 180	PSYCH-111
PSY 200	PSYCH-101
SOCI 110	SOC-100, SOC-100H
SOCI 115	SOC-105
SOCI 130	SOC-130
SOCI 140	SOC-145
SOCI 150	SOC-141
SPAN 100	SPAN-101
SPAN 110	SPAN-102
SPAN 200	SPAN-103
SPAN 210	SPAN-104
THTR 111	THART-100, THART-100H
THTR 113	ENGL-108, THART-108
THTR 114	ENGL-226, THART-226
THTR 151	THART-120
THTR 152	THART-220
THTR 171	THART-179

THTR 191	THART-124X2
THTR 192	THART-134X4

ACCT - Accounting

ACCT 032 - Federal and State Taxation (4.00)

Principles and procedures of federal and state income taxation. Introduction to history and objectives of taxation, tax concepts and laws, current-year tax code and tax planning. Preparation of tax returns, emphasizing the individual taxpayer. Volunteer tax assistance is required.

Prerequisite: None.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: Associate Degree Applicable.

ACCT 033 - Federal and State Income Tax Preparation (1.00)

Review of the principles and procedures of federal and state income taxation and survey of current-year code changes. Preparation of tax returns, emphasizing the individual taxpayer. Volunteer tax assistance is required.

Prerequisite: ACCT 032.

Corequisite: None.

Offered: (Sp).

Lab: Minimum 48 hours per semester.

Applicable: Associate Degree Applicable.

ACCT 105 - Accounting Concepts with Quickbooks (4.00)

Fundamentals of bookkeeping and accounting procedures, including recording transactions in journals and use of controlling accounts and related schedules. Practice in opening adjusting, and closing various professional set of books. Use of Quickbooks bookkeeping software.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 64 hours per semester.

Applicable: CSU, Associate Degree Applicable.

ACCT 208 - Introduction to Financial Accounting (4.00)

Fundamental concepts and procedures of financial accounting including the use, interpretation, preparation, and analysis of financial statements. Recording and reporting of business transactions with a focus on the accounting cycle, generally accepted accounting principles and accounting policy choices. Includes issues relating to asset, liability, and equity valuation; revenue and expense recognition; cash flow; internal controls and ethics. (C-ID ACCT 110)

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 64 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ACCT 209 - Introduction to Managerial Accounting (4.00)

Fundamental concepts and procedures of managerial accounting including the use of management accounting information in decision making, planning, directing operations, and controlling. Study of cost

terms and concepts, cost behavior, cost structure, and cost-volume-profit analysis. Includes issues relating to cost systems, cost control, profit planning, and performance analysis. (C-ID ACCT 120)

Prerequisite: ACCT 208.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 64 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ACCT 248A - Special Studies in Accounting (3.00)

Independent projects for students with a special interest in accounting, emphasizing internship and work-based training opportunities. Projects to be determined jointly by the student and the instructor prior to registration.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Independent Study: Minimum 144 hours per semester.

Departmental Recommendation: Successful completion of BUSAD 100 and ACCT 208.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

ACCT 248B - Special Studies in Accounting (3.00)

Independent projects for students with a special interest in accounting, emphasizing internship and work-based training opportunities. Projects to be determined jointly by the student and the instructor prior to registration.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Independent Study: Minimum 144 hours per semester.

Departmental Recommendation: Successful completion of BUSAD 100 and ACCT 208.

Applicable: CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

ACCT 248C - Special Studies in Accounting (3.00)

Independent projects for students with a special interest in accounting, emphasizing internship and work-based training opportunities. Projects to be determined jointly by the student and the instructor prior to registration.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Independent Study: Minimum 144 hours per semester.

Departmental Recommendation: Successful completion of BUSAD 100 and ACCT 208.

Applicable: CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

ACCT 248D - Special Studies in Accounting (3.00)

Independent projects for students with a special interest in accounting, emphasizing internship and work-based training opportunities. Projects to be determined jointly by the student and the instructor prior to registration.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Independent Study: Minimum 144 hours per semester.

Departmental Recommendation: Successful completion of BUSAD 100 and ACCT 208.

Applicable: CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

ANAT - Anatomy**ANAT 101 - Essentials of Human Anatomy and Physiology (4.00)**

Lecture and laboratory course emphasizing the basic structural, functional, and developmental stages of the human body. Introductory survey of the human body in one semester. Essentials of structure and function in each of the eleven body systems covered.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

ANAT 150 - Human Anatomy and Physiology I (4.00)

Advanced understanding of the structural and functional aspects of the human body. First in a two semester series; covers biochemistry, cytology, cellular metabolism, histology, osteology, articulations, myology, and the integumentary and nervous systems. (C-ID BIOL 115S)

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ANAT 151 - Human Anatomy and Physiology II (4.00)

Advanced understanding of the structural and functional aspects of the human body. Second in a two semester series; covers hematology, somatic and special senses, the bodies nutritional needs, pregnancy and maturation, electrolyte and acid/base balance, and the endocrine, lymphatic, immune, respiratory, cardiovascular, digestive, urinary, and reproductive systems. (C-ID BIOL 115S)

Prerequisite: ANAT 150.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ANAT 159 - Introduction to Human Cadaver Dissection (1.00)

Introduction to human cadaver dissection for students with a special interest in further anatomical studies.

Prerequisite: ANAT 101 or ANAT 151.

Corequisite: None.

Offered: (Fa,Sp).

Lab: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

ANAT 259 - Advanced Human Cadaver Dissection (1.00)

Advanced human cadaver dissection for students with a special interest in further anatomical studies with opportunities to guide and mentor others.

Prerequisite: ANAT 159.

Corequisite: None.

Offered: (Fa,Sp).

Lab: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

ANTHRO - Anthropology**ANTHRO 100 - Introduction to Archaeology (3.00)**

Introduction to the history, objectives, methods, and theory of contemporary archaeology. Topics include the historical development of archaeological science, archaeological methodology and interpretation, dating techniques, the analysis of cultural sequence, and ethical and legal considerations related to archaeological research. (C-ID ANTH 150)

Prerequisite: None.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

ANTHRO 102 - Cultural Anthropology (3.00)

Introduction to the study of human societies from a cross-cultural perspective. Examination of culture and cultural change, communication and language, food-getting practices, economic systems, sex and gender, marriage, kinship, political organization, religion and art as well as an introduction to the history and theories of anthropological study. (C-ID ANTH 120)

Prerequisite: ENGL 010 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Also Offered as: ANTHRO 102H.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ANTHRO 102H - Cultural Anthropology-Honors (3.00)

Introduction to the study of human societies from a cross-cultural perspective. Examination of culture and culture change, communication

and language, food-getting practices, economic systems, sex and gender, marriage, kinship, political organization, religion and art as well as an introduction to the history and theories of anthropological study. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID ANTH 120)

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered as: ANTHRO 102.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: None.

Applicable: UC, CSU, Associate Degree Applicable.

ANTHRO 106 - Biological Anthropology (3.00)

Introduction to humans as biological organisms from an evolutionary perspective. Study of evolutionary theory, primates and primate origins, early hominids, the origin and development of anatomically modern humans, human variation and evolution of the brain and behavior as well as contemporary issues in biological anthropology. (C-ID ANTH 110)

Prerequisite: ENGL 010 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Also Offered as: ANTHRO 106H.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ANTHRO 106H - Biological Anthropology-Honors (3.00)

Introduction to humans as biological organisms from an evolutionary perspective. Study of evolutionary theory, primates and primate origins, early hominids, the origin and development of anatomically modern humans, human variation and evolution of the brain and behavior as well as contemporary issues in biological anthropology. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID ANTH 110)

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered as: ANTHRO 106.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ANTHRO 107 - The United States and the North American Indians (3.00)

History of the North American Indian from first contact through conquest and reservation life to the present. Examination of traditional cultural elements, American policies toward Native Americans, modern Indian communities and contemporary issues. This course is also offered as HIST 107.

Prerequisite: None.

Corequisite: None.

Also Offered as: HIST 107.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

ANTHRO 110 - Tribal and Ethnic Religions (3.00)

Comparative study of supernaturalism in traditional societies, both past and present, including witchcraft, magic, totemism, mythology and ritual nativistic movements, and the religious context of drug usage and the social and symbolic functions of beliefs and rituals. Examination of prehistoric religion as well as the belief systems of selected tribal peoples. This course is also offered as RELIG 110.

Prerequisite: None.

Corequisite: None.

Also Offered as: RELIG 110.

Offered: (Even Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

ANTHRO 116 - Biological Anthropology Laboratory (1.00)

Laboratory experiences designed to introduce the methods and techniques used in biological anthropological research. Application of scientific method to explore topics including genetics, comparative primatology, human and non-human primate evolution, human variation, and forensic anthropology. Laboratory studies are coordinated with the lecture topics.

Prerequisite: None.

Corequisite: Previous or Concurrent enrollment in ANTHRO 106 or ANTHRO 106H.

Offered: (Even Sp).

Lab: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

ANTHRO 125 - Language and Culture (3.00)

Introduction to the anthropological study of language. Examination of nonhuman communication and the origin of language in humans; language acquisition and speech production; nonverbal communication; structure of language; language history and change, and the relationship between language and culture, power, ethnicity, gender, and social stratification.

Prerequisite: None.

Corequisite: None.

Offered: (Odd Fa).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: CSU, Associate Degree Applicable.

ANTHRO 136 - Arab Culture and Civilization (3.00)

Multidisciplinary examination of the civilizations of the Arab world. Historical survey of Arab cultures including the origins of Islam and Golden Age of Arab Civilization, Arab nationalism, the Arab-Israeli conflict, Islamic fundamentalism and current events in the Arab world. Discussion of Arab culture including social structure, religion, the role of women, cultural and intellectual trends and the arts.

Prerequisite: None.

Corequisite: None.

Offered: (Even Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

ARABIC - Arabic

ARABIC 101 - College Arabic I (5.00)

Introduction to the Arabic language, including fundamentals of its alphabet, script and pronunciation. Development of the student's abilities to write, speak and comprehend Modern Standard Arabic. Study of the culture of the Arab World.

NOTE: This course corresponds with the first year of high school Arabic.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 80 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

* No credit granted if taken after ARABIC 102, ARABIC 103 or ARABIC 104.

ARABIC 102 - College Arabic II (5.00)

A continuation of ARABIC 101. Continued development of a student's listening, speaking, reading, and writing skills in Modern Standard Arabic and study of the culture of the Arab world.

NOTE: This course corresponds with the second year of high school Arabic.

Prerequisite: ARABIC 101.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 80 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

* No credit granted if taken after ARABIC 103 or ARABIC 104.

ARABIC 103 - College Arabic III (5.00)

A continuation of ARABIC 102. Continued development of a student's listening, speaking, reading, and writing skills in Modern Standard Arabic and study of the culture of the Arab world.

Prerequisite: ARABIC 102.

Corequisite: None.

Lecture: Minimum 80 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

* No credit granted if taken after ARABIC 104.

ARABIC 104 - College Arabic IV (5.00)

A continuation of ARABIC 103. Continued development of a student's listening, speaking, reading, and writing skills in Modern Standard Arabic and study of the culture of the Arab world.

Prerequisite: ARABIC 103.

Corequisite: None.

Lecture: Minimum 80 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ART - Art

ART 100 - Art History I: Prehistoric Art to Medieval Art (3.00)

Survey of outstanding periods in history of Western Art, tracing the relationship between the arts and society which produced them. Required of all art majors and open to non-art majors. (C-ID ARTH 110)

Prerequisite: ENGL 010 or eligibility for ENGL 101 as determined by the Crafton Hills College assessment process.

Corequisite: None.

Also Offered as: ART 100H.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ART 100H - Art History I: Prehistoric Art to Medieval Art-Honors (3.00)

Survey of outstanding periods in the history of Western Art, with a focus on the Prehistoric through the Medieval periods. Exploration of the relationship between the visual arts and the societies which produced them. Required of all art majors and open to non-art majors. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID ARTH 110)

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered as: ART 100.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ART 102 - Art History II: Renaissance Art to Contemporary Art (3.00)

Survey of outstanding periods in the history of Western Art, with a focus on the Renaissance through Contemporary Art. Exploration of the relationship between the visual arts and the societies which produced them. Required of all art majors and open to non-art majors. (C-ID ARTH 120)

Prerequisite: None.

Corequisite: None.

Also Offered as: ART 102H.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ART 102H - Art History II: Renaissance Art to Contemporary Art-Honors (3.00)

Survey of outstanding periods in the history of Western Art, with a focus on the Renaissance through Contemporary Art. Exploration of the relationship between the visual arts and the societies which produced them. Required of all art majors and open to non-art majors. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID ARTH 120)

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered as: ART 102.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ART 103 - Art Appreciation (3.00)

Introduction to the visual arts from a multicultural perspective, focusing on the technical, conceptual, cultural and historical aspects of art. Overview of vocabulary, design elements and principles, technique and materials, and movements in art. Emphasis on the development of students' visual and aesthetic awareness and literacy. (C-ID ARTH 100)

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ART 105 - History of Modern Art (3.00)

Comprehensive survey of modern Western art and architecture from the 19th century to the contemporary times. Examination of diverse period and personal styles within socio-political, religious and historical context; comparison of art works, architecture and art movements originated in United States and Europe while examining its implications to the global community.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ART 113 - Survey of Asian Art (3.00)

Comprehensive survey of art and architecture of India, Southeast Asia, China, Japan and Korea from art pre-history to contemporary times. Examination of the diverse Asian cultures within the specifics of the socio-political, religious and historical context. Comparison of art works and artifacts from both Western and Non-Western perspectives.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ART 119 - Digital Video Art (3.00)

Introductory study of theory and practice of the time-based digitally produced video art with necessary skill development in the use of variety of digital applications and platforms. Exploration of a wide range of video practice from its origins in 1960 to contemporary practice including early digital experiments, documentary, installation based single and multi-channel video work, digital devices, Internet, and/or social media, with emphasis on the artistic voice and experimentation, through a series of four-dimensional projects.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Lab: Minimum 96 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ART 120 - Foundations of Two-Dimensional Design (3.00)

Introduction to elements and principles of design on the two-dimensional plane. Development of technical skill associated with the use of line, shape, texture, value, color and spatial illusion with consideration to

contemporary conceptual approaches and practical application. (C-ID ARTS 100)

Prerequisite: None.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 32 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ART 121 - Foundations of Three-Dimensional Design (3.00)

Introduction to elements and principles of design in three-dimensional space. Development of technical skill associated with the use of line, shape, form, space, texture, value, and color with consideration to contemporary conceptual approaches and practical application. (C-ID ARTS 101)

Prerequisite: None.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 32 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of ART 120.

Applicable: UC, CSU, Associate Degree Applicable.

ART 124 - Drawing I (3.00)

Introduction to the basic skills, strategies and techniques of observational drawing, emphasizing an understanding and application of the elements and principles of basic design and the use of traditional drawing media and surfaces. (C-ID ARTS 110)

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 32 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of ART 120.

Applicable: UC, CSU, Associate Degree Applicable.

ART 125 - Drawing II (3.00)

A continuation of ART 124. Review of essential concepts and skills of drawing and development of intermediate-level drawing skills. Development of an individual thematic approach to drawing and study of complex subject matter, advanced compositional concerns, traditional and experimental media and color. (C-ID ARTS 205)

Prerequisite: ART 124.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ART 126 - Painting I (3.00)

Introduction to the basic skills, strategies and techniques of oil and acrylic painting, emphasizing an understanding and application of the elements and principles basic design and the use of traditional painting surfaces, tools and surface preparation. (C-ID ARTS 210)

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 32 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of ART 120 or ART 124.

Applicable: UC, CSU, Associate Degree Applicable.

ART 132 - Life Drawing I (3.00)

Introduction to the skills, strategies and techniques for drawing the human figure, with a focus on traditional drawing media and surfaces. Includes an introduction to human anatomy and the historical and contemporary roles of figure drawing in the visual arts. (C-ID ARTS 200)

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 32 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of ART 124.

Applicable: UC, CSU, Associate Degree Applicable.

ART 175 - Sculpture (3.00)

Study of the fundamentals practices of sculpture. Exploration of form and space, using stone, wood, clay, and plaster. Development of skills required for carving and modeling methods typically employed in these media.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of ART 121.

Applicable: UC, CSU, Associate Degree Applicable.

ART 200 - Printmaking (3.00)

Introduction to the skills, strategies and techniques of printmaking with a focus on intaglio processes, relief processes, serigraph and alternative processes.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of ART 120.

Applicable: UC, CSU, Associate Degree Applicable.

ART 204 - Contemporary Topics in American Art (1.00)

Studio course exploring trends, underlying issues and the alternative techniques, forms and media of contemporary art in America.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

ART 226 - Painting II (3.00)

A continuation of ART 126. Review of essential concepts and skills of painting and development of intermediate-level painting skills. Development of an individual thematic approach to painting and study of complex subject matter, advanced compositional concerns and alternative and experimental surfaces and media.

Prerequisite: ART 126.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: None.

Applicable: UC, CSU, Associate Degree Applicable.

ART 232 - Life Drawing II (3.00)

A continuation of ART 132. Review of essential concepts of skills of figure drawing and development of intermediate-level figure drawing skills with an emphasis on accurate analysis of anatomy and essential structure. Development of an individual thematic approach to figure drawing and study of advanced compositional concerns, traditional and experimental media and color.

Prerequisite: ART 132.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ART 247A - Special Projects in Art (1.00-3.00)

Independent study for advanced and self-motivated art students with projects determined jointly by the student and instructor. Requires faculty approval prior to registration and a contract outlining the goals and content of the project(s) to be undertaken.

Prerequisite: Successful completion of any course in ART.

Corequisite: None.

Offered: (Fa,Sp).

Independent Study: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine Units granted AFTER transfer.

ART 247B - Special Projects in Art (1.00-3.00)

Independent study for advanced and self-motivated art students with projects determined jointly by the student and instructor. Requires faculty approval prior to registration and a contract outlining the goals and content of the project(s) to be undertaken.

Prerequisite: Successful completion of any course in ART.

Corequisite: None.

Offered: (Fa,Sp).

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

ART 247C - Special Projects in Art (1.00-3.00)

Independent study for advanced and self-motivated art students with projects determined jointly by the student and instructor. Requires faculty

approval prior to registration and a contract outlining the goals and content of the project(s) to be undertaken.

Prerequisite: Successful completion of any course in ART.

Corequisite: None.

Offered: (Fa,Sp).

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

ART 247D - Special Projects in Art (1.00-3.00)

Independent study for advanced and self-motivated art students with projects determined jointly by the student and instructor. Requires faculty approval prior to registration and a contract outlining the goals and content of the project(s) to be undertaken.

Prerequisite: Successful completion of any course in ART.

Corequisite: None.

Offered: (Fa,Sp).

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

ART 275 - Contemporary Sculpture Techniques (3.00)

Exploration of form and space employing non-traditional materials and unorthodox sculptural techniques. Study and application of concepts relevant to contemporary art practices such as site-specific art, minimalism, installation, recycling, earth-works, sound-scape and/or sustainability while exploring memory, gravity, cultural diversity and the complexities of a contemporary global community within a historical context.

Prerequisite: None.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 32 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of ART 121.

Applicable: UC, CSU, Associate Degree Applicable.

ASL - American Sign Language

ASL 901 - Beginning American Sign Language Refresher I (1.00)

Review and practice of beginning material for students who have successfully completed a first semester ASL course and need to further develop their receptive and productive skills as well as review cultural, grammatical, and historical concepts before enrolling in ASL 102. This course is graded on a Pass or No Pass basis only.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Applicable: Not Associate Degree Applicable.

ASL 902 - Beginning American Sign Language Refresher II (1.00)

Review and practice of beginning material for students who have successfully completed a second semester ASL course and need to further develop their receptive and productive skills as well as review cultural, grammatical, and historical concepts before enrolling in ASL 103. This course is graded on a Pass or No Pass basis only.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Departmental Recommendation: Successful completion of ASL 102.

Applicable: Not Associate Degree Applicable.

ASL 019 - Beginning American Sign Language for Medical Personnel (3.00)

Introduction to American Sign Language (ASL) and Deaf Culture for medical personnel. Emphasis on developing receptive and expressive ASL skills in regards to common phrases, procedural questions, fingerspelling, and classifiers. Medical vs. cultural views of deafness are covered to ensure successful interactions with d/Deaf patients. Knowledge of ASL is not required to take this course.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: Associate Degree Applicable.

ASL 020 - Advanced American Sign Language for Medical Personnel (3.00)

Advanced American Sign Language (ASL) and Deaf Culture for medical personnel. Emphasis on building receptive and expressive ASL skills in regards to medical terminology, procedures, classifiers, and expansion techniques. Diverse cultural views will be covered to help students understand the unique perspectives and needs of d/Deaf patients. This course is for those interested in majoring in ASL Interpreting or Deaf Studies.

Prerequisite: ASL 103.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Departmental Recommendation: Concurrent enrollment in ASL 104.

Applicable: Associate Degree Applicable.

ASL 101 - American Sign Language I (4.00)

Introduction to American Sign Language as used by the deaf community in the United States. Study of a basic vocabulary of approximately 400 signs, typical ASL sentence structures and social conventions involved in ASL. Discussion of the history of deaf education and the deaf community up to the end of the nineteenth century.

NOTE: This course corresponds to the first year of high school American Sign Language.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp, Sm).

Lecture: Minimum 64 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC*, CSU*, Associate Degree Applicable.

* No credit granted if taken after ASL 102, ASL 103 or ASL 104.

ASL 102 - American Sign Language II (4.00)

Continuing introduction to American Sign Language as used by the deaf community in the United States. Study of a more advanced vocabulary of approximately 400 additional signs, ASL sentence structures and

social conventions involved in ASL. Discussion of the history of deaf education and the deaf community through present times as well as effect of technological developments upon the deaf community and deaf individuals.

NOTE: This course corresponds to the second year of high school American Sign Language.

Prerequisite: ASL 101.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 64 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC*, CSU*, Associate Degree Applicable.

* No credit granted if taken after ASL 103 or ASL 104.

ASL 103 - American Sign Language III (4.00)

Intermediate study of American Sign Language as used by the Deaf community in the United States. Study of increasingly more advanced vocabulary, complex sentence structures and conversational skills, as well as in-depth analysis of cultural topics.

Prerequisite: ASL 102.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 64 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC*, CSU*, Associate Degree Applicable.

* No credit granted if taken after ASL 104 or ASL 105.

ASL 104 - American Sign Language IV (4.00)

Intermediate study of American Sign Language as used by the Deaf community in the United States. Study of increasingly more advanced vocabulary of approximately 400 additional signs, complex sentence structures and conversational skills.

Prerequisite: ASL 103.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 64 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC*, CSU*, Associate Degree Applicable.

*No credit granted if taken after ASL 105.

ASL 105 - American Sign Language V (3.00)

Continued intermediate/advanced study of American Sign Language as used by the Deaf community in the United States. Study of increasingly more advanced vocabulary and grammatical structures including the use of slang and idioms, with an emphasis on self-expression.

Prerequisite: ASL 104.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

ASL 115 - The American Deaf Experience: Introduction to Deaf Studies (3.00)

Introduction to American Deaf Culture and the Deaf community as a linguistic and cultural minority in the United States. Multidisciplinary examination of aspects of Deaf Culture including history, traditions, values, language, art, education, family and social and political interactions.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: ENGL 010 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process.

Applicable: UC, CSU, Associate Degree Applicable.

ASL 200 - Introduction to Interpreting for the Deaf (3.00)

Introduction to the field of sign language interpreting. Focus is on language analysis and idiomatic development, as well as principles and practices involved in interpreting for a diverse Deaf population. Educational, medical, free-lance, and relay interpreting settings are discussed. Includes instruction on national testing standards, preparation for certification, and an emphasis on the professional code of ethics. Primary language of instruction is ASL and activities take place in both ASL and English.

Prerequisite: ASL-102.

Corequisite: None.

Lecture: minimum 48 hours per semester.

Departmental Recommendation: Concurrent enrollment in ASL 104.

Applicable: CSU, Associate Degree Applicable.

ASL 205 - Fingerspelling, Numbers, Classifiers, and Non-Manuals (2.00)

Provides specialized instruction to further develop skills in the areas of fingerspelling, numbers, classifiers, and non-manual signals. Both receptive and expressive techniques will be emphasized.

Prerequisite: ASL 102.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Applicable: CSU, Associate Degree Applicable.

ASTRON - Astronomy

ASTRON 150 - Introduction to Astronomy (3.00)

Introduction to the ideas, concepts, and theories of astronomy including celestial motion, properties and evolutions of the solar system, stars, galaxies, and cosmology.

Prerequisite: None.

Corequisite: None.

Also Offered as: ASTRON 150H.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of PHYSIC 100.

Applicable: UC, CSU, Associate Degree Applicable.

ASTRON 150H - Introduction to Astronomy-Honors (3.00)

Introduction to the ideas, concepts and theories of astronomy including celestial motion, properties and evolutions of the solar system, stars, galaxies, and cosmology. This course includes content and experiences appropriate for students wishing to earn honors credit.

Prerequisite: Acceptance into the College Honors Institute. MATH 095 or eligibility for MATH 102 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Also Offered as: ASTRON 150.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of PHYSIC 100.

Applicable: UC, CSU, Associate Degree Applicable.

ASTRON 160 - Astronomy Laboratory (1.00)

Laboratory work to supplement ASTRON 150. Topics include telescopes, planetary motion, the Sun and stars, and cosmology. A one-evening lunar photography lab will be required.

Prerequisite: None.

Corequisite: ASTRON 150 or ASTRON 150H.

Offered: (Fa,Sp).

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

BIOL - Biology**BIOL 100 - General Biology (4.00)**

Introduction to biology with an emphasis on scientific analysis and problem solving. Offers a broad understanding of the Unity and diversity of the living world from cellular and molecular levels to anatomy, physiology, evolution, and ecology. This course is designed for non-science majors seeking general education credit and for some Environmental Science and Multiple Sciences majors.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

BIOL 123 - Ecology and Environment (3.00)

Study of the basic concepts of ecology including the physical environment, ecosystems, energy production and transfer, and the impact of humans on ecosystems. Environmental considerations include renewable and non-renewable energy, food resources, pest control, waste management, maintenance of air and water quality, sustaining the biodiversity of ecosystems, global climate, and political and economic considerations.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

BIOL 130 - Cell and Molecular Biology (4.00)

One in a sequence of two courses required for students majoring in biology and other natural sciences as well as pre-medicine, pre-veterinary and other pre-professional programs. Study of the processes of life at the molecular and cellular level, emphasizing cell functions of transport, respiration, photosynthesis, reproduction, genetics, gene expression and regulation, and applications in biotechnology. (C-ID BIOL 190)

Prerequisite: CHEM 101 or CHEM 150, and MATH 095 or eligibility for MATH 102 as determined through the Crafton Hills College assessment.

Corequisite: None.

Also Offered as: BIOL 130H.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

BIOL 130H - Cell and Molecular Biology-Honors (4.00)

Study of the processes of life at the molecular and cellular level emphasizing cell functions of transport, respiration, photosynthesis, reproduction, genetics, gene expression, and regulation and applications in biotechnology. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID BIOL 190)

Prerequisite: Acceptance into the College Honors Institute, CHEM 101 or CHEM 150, and MATH 095 or eligibility for MATH 102 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Also Offered as: BIOL 130.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

BIOL 131 - Populations and Organisms (4.00)

Study of classification, development, physiology and regulation at the level of the organism. Topics include population dynamics, community ecology, evolution and population genetics. (C-ID BIOL 140)

Prerequisite: MATH 095 or eligibility for MATH 102 as determined through the Crafton Hills College assessment.

Corequisite: None.

Also Offered as: BIOL 131H.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

BIOL 131H - Populations and Organisms-Honors (4.00)

One of a sequence of two courses required for students majoring in biology and other natural sciences, as well as pre-medicine, pre-veterinarian, and other pre-professional programs. Focus on the study of the diversity of organisms through a review of comparative structure, physiology, development, and evolution. Topics include population genetics, classification, and interactions of populations at the species, community, and ecosystem levels. This course includes content and

experiences appropriate for students wishing to earn honors credit. (C-ID BIOL 140)

Prerequisite: Acceptance into the College Honors Institute, and MATH 095 or eligibility for MATH 102 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Also Offered as: BIOL 131.

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

BIOL 246A - Special Problems in Biology (1.00)

Independent projects for selected students with a special interest in biology; assigned problems will involve both library and laboratory work.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

* UC will determine Units granted AFTER transfer.

BIOL 246B - Special Problems in Biology (1.00)

Independent projects for selected students with a special interest in biology; assigned problems will involve both library and laboratory work.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

* UC will determine Units granted AFTER transfer.

BIOL 247A - Special Problems in Biology (2.00)

Independent projects for selected students with a special interest in biology; assigned problems will involve both library and laboratory work.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 96 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

* UC will determine Units granted AFTER transfer.

BIOL 247B - Special Problems in Biology (2.00)

Independent projects for selected students with a special interest in biology; assigned problems will involve both library and laboratory work.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 96 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

* UC will determine Units granted AFTER transfer.

BIOL 248A - Special Problems in Biology (3.00)

Independent projects for selected students with a special interest in biology; assigned problems will involve both library and laboratory work.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 144 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

* UC will determine Units granted AFTER transfer.

BIOL 248B - Special Problems in Biology (3.00)

Independent projects for selected students with a special interest in biology; assigned problems will involve both library and laboratory work.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 144 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

* UC will determine Units granted AFTER transfer.

BUSAD - Business Administration

BUSAD 039 - Foundations for Successful Employment (3.00)

Skills and attitude development necessary to obtain and retain successful employment. Includes job search skills, career pathway development, application process skills, personal professional presentation skills and mock employment interviews.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: Associate Degree Applicable.

BUSAD 053 - Business Computations (3.00)

This course provides an approach to prealgebra with a focus on business. The course includes a review of arithmetic and covers operations with signed numbers, single variable equations, ratios, proportions, percents, markups, payroll discounts, simple and compound interest as they relate to business needs.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: Associate Degree Applicable.

BUSAD 100 - Introduction to Business (3.00)

Introduction to the fundamental concepts of business in today's economy. Survey of business entities, business activities including accounting, finance, management, and marketing as well as the role information systems, law and regulation, and ethics have on business operations. (C-ID BUS 110)

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

BUSAD 103 - Human Resources Management (3.00)

Introduction to the management of human resources including understanding the impact and accountability of human resource activities in organizations. Global human resource strategies, social and organizational realities, legal implications affecting people at work, union/non-union practices, comparable work, employee compensation and benefits, and employee rights will be covered.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: Associate Degree Applicable.

BUSAD 105 - Entrepreneurship and Small Business Management (3.00)

Introduction to entrepreneurship and principles of managing a small business. Emphasis on the development of an effective business plan and knowledge and skills necessary to open and operate a successful small business including managing growth, pricing, advertising, financial analysis, record-keeping, budgeting, purchasing and controlling inventory, franchising, and acquiring capital.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: CSU, Associate Degree Applicable.

BUSAD 145 - Business Communication (4.00)

Principles and techniques of effective oral and written communication in business environments. Organization, composition, presentation and analysis of letters, memorandums, oral and written reports, proposals and resumes. Development of interviewing and collaborative problem solving skills. Emphasis on diversity and the use of technology in the global marketplace. This course is also offered as COMMST 145. (C-ID BUS 115)

Prerequisite: ENGL 101 or ENGL 101H.

Corequisite: None.

Also Offered as: COMMST 145.

Lecture: Minimum 64 hours per semester.

Applicable: CSU, Associate Degree Applicable.

BUSAD 155 - Human Relations in the Workplace (3.00)

Examination of individual, group and organizational behavior as it affects performance and productivity in the workplace. Exploration of issues including diversity, leadership, teamwork, motivation, employee development, ethics, decision making and problem solving toward the goal of improving interpersonal effectiveness on the job. This course is also offered as COMMST 155.

Prerequisite: None.

Corequisite: None.

Also Offered as: COMMST 155.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

BUSAD 200 - Business Management (3.00)

Concepts and applications of successful management functions including planning, organizing, staffing, directing, decision making and controlling business activity. Development of effective management and leadership skills through simulation exercises.

Prerequisite: None.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of BUSAD 100.

Applicable: CSU, Associate Degree Applicable.

BUSAD 210 - Business Law (3.00)

An introduction to the American legal system and principles of law as applied to businesses. Topics include sources of law, legal reasoning, ethics, criminal law, contracts, torts, agency, liability, the Uniform Commercial Code, sales, business organizations, and judicial and administrative processes. (C-ID BUS 125)

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

BUSAD 230 - Using Computers for Business (3.00)

Introduction to computer and information technology, including the history, terminology, computer hardware and software components, operation of computer systems, networking, ethics, security, examination of information systems and their role in business. Includes an overview and use of selected software including operating systems, word processors, spreadsheets, presentation applications, database management systems, and basic web design and programming. Discussion of the impact of computers in society and the workplace. This course is also offered as CIS 101. (C-ID BUS 140)

Prerequisite: None.

Corequisite: None.

Also Offered as: CIS 101.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CIS 091.

Applicable: UC, CSU, Associate Degree Applicable.

BUSAD 248A - Special Studies in Business Administration (3.00)

Independent projects for students with a special interest in business, emphasizing internship and work-based training opportunities. Projects to be determined jointly by the student and the instructor prior to registration.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 144 hours per semester.

Departmental Recommendation: Successful completion of BUSAD 100.

Applicable: CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

BUSAD 248B - Special Studies in Business Administration (3.00)

Independent projects for students with a special interest in business, emphasizing internship and work-based training opportunities. Projects to be determined jointly by the student and the instructor prior to registration.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 144 hours per semester.

Departmental Recommendation: Successful completion of BUSAD 100.

Applicable: CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

BUSAD 248C - Special Studies in Business Administration (3.00)

Independent projects for students with a special interest in business, emphasizing internship and work-based training opportunities. Projects to be determined jointly by the student and the instructor prior to registration.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 144 hours per semester.

Departmental Recommendation: Successful completion of BUSAD 100.

Applicable: CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

BUSAD 248D - Special Studies in Business Administration (3.00)

Independent projects for students with a special interest in business, emphasizing internship and work-based training opportunities. Projects to be determined jointly by the student and the instructor prior to registration.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 144 hours per semester.

Departmental Recommendation: Successful completion of BUSAD 100.

Applicable: CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

CD - Child Development

CD 100 - Introduction to Child Development (3.00)

Overview of early childhood programs, their histories, philosophies and developmentally appropriate practices, methods of guidance and discipline. Students will become familiar with licensing and regulations for state, federal and private programs. Reviews philosophies of educating young children and learning, while examining developmentally appropriate practices, including the influence of culture and inclusive environments on the developing child. Explores ethics, career paths and professional growth. This is a transferable course.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CD 101 - Family Interactions (3.00)

This course reviews the concept of human development and the interactions within the biological, psychological, social and cultural phenomena and their relationship to children's and parent's attitudes and behavior. Family dynamics, communication and discipline are explored.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CD 105 - Child Growth and Development (3.00)

Study of human development from conception through adolescence within cultural and family contexts. Examines typical and atypical cognitive, physical, social, and emotional development. Introduction to the theories, research, and applications that constitutes the field of child development by examining both traditional areas of the field and more recent innovations. Some observational study of children. (C-ID CDEV 100)

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

CD 112 - Principles and Practices in Early Childhood Education (3.00)

An examination of the underlying theoretical principals of developmentally appropriate practices applied to programs, environments, emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, creative and intellectual development for all young children. This course includes a review of the historical roots of early childhood programs and the evolution of the professional practices promoting advocacy, ethics, and professional identity.

Prerequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CD 105.

Applicable: CSU, Associate Degree Applicable.

CD 115 - Health, Welfare and Nutrition for Children (3.00)

Training in health, nutrition, disaster preparedness for children or children with special needs, child abuse identification and prevention, and caring for the mildly ill child. (C-ID ECE 220)

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CD 105.

Applicable: CSU, Associate Degree Applicable.

CD 126 - Child, Family and Community (3.00)

Examination of the effects of family and community on a child's development. Interaction between child, family, school, peers, media and

community are explored. Emphasis on ethnic diversity, social class, gender roles and their impact on family, behavior, values, morals and attitudes. Explores the value of communication, the development of child advocacy and the ability to use community resources to empower families and children. (C-ID CDEV 110)

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CD 105.

Applicable: CSU, Associate Degree Applicable.

CD 130 - Music and Movement for Children (3.00)

Study of music and movement growth and development of children. Philosophy, theory, technique and application of musical concepts used with children are explored. The basic elements of music are investigated with an emphasis on planning and facilitating developmentally appropriate music and movement experiences with children.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CD 105.

Applicable: CSU, Associate Degree Applicable.

CD 131 - Developmental Art for Children (3.00)

Study of the artistic and aesthetic growth and development of children. Exploration of philosophy, theory and application of art concepts. Investigation of the basic elements of art with an emphasis on how to plan, prepare and implement a developmentally appropriate art experience for children.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CD 105.

Applicable: CSU, Associate Degree Applicable.

CD 132 - Introduction to Curriculum (3.00)

This course presents an overview of the knowledge and skills related to providing appropriate curriculum and environments for young children birth to age six. Students will examine a teacher's role in supporting development and engagement for all young children. The course provides strategies for developmentally appropriate practice based on observation and assessment across the curriculum.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CD 105.

Applicable: CSU, Associate Degree Applicable.

CD 133 - Creative Science and Math Activities for Children (3.00)

Study of basic scientific theories and practices for teaching young children simple methods and processes of science and math. Classifying, simple reasoning, observing, making hypothesis, testing, generalizing cause and effect, using energy, matter and living things are explored. Fundamental mathematical concepts such as one to one

correspondence, number sense and counting, sets and classifying, parts and wholes, basic measurements, ordering and patterning.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CD 105.

Applicable: CSU, Associate Degree Applicable.

CD 134 - Language and Listening, Literacy and Literature for Children (3.00)

Study and application of whole language, listening, literacy and literature experiences for children. Use of conversations, literature, storytelling, flannel boards, finger plays, dramatic play and other varied media. Developmentally appropriate whole language reading and writing activities for children.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CD 105.

Applicable: CSU, Associate Degree Applicable.

CD 136 - Creative Art Activities for Children (3.00)

Study of artistic expression in children. Overview of artistic abilities in children. Emphasis on planning, preparing and implementing developmentally appropriate art experiences for children ages two through ten.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CD 137 - Play and Materials in Early Learning (3.00)

In-depth studies of the dynamics of play and play materials for children including the rationale for play as a facilitator of learning. History and philosophy of play, current theories and their relationship to materials as they are utilized in creating and implementing play environments for children.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: CD 105.

Applicable: CSU, Associate Degree Applicable.

CD 182 - Teaching in a Diverse Society (3.00)

Designed to assist students in becoming teachers who can explore and address diversity in ways that enhance the development of children in early childhood environments. The course addresses attitudes and behaviors toward children and adults in the areas of culture, race, gender, age and abilities etc. This course will also address the development of anti-biased curriculum as well as the analysis of the classroom environment for culturally relevant and diverse materials and resources, as well as highlighting developmental issues and advocacy. (C-ID ECE 230)

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CD 185 - Infant/Toddler Growth and Development (3.00)

The study of physical, cognitive, social, emotional and creative development of children ages birth to 36 months. Includes developmental stages, systematic observation, parenting issues, identifying needs and services and identifying appropriate practices with infants and toddlers. Satisfies licensing requirement for infant/toddler units for child development staff.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CD 186 - Infant/Toddler Activities (3.00)

Preparation and facilitation of developmentally appropriate activities and curriculum for infants and toddlers ages birth to 36 months. Satisfies licensing training requirements for infant/toddler child development workers.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CD 205 - Child Development Practicum (4.00)

In this supervised fieldwork course, students practice and demonstrate developmentally appropriate early childhood planning and teaching competencies under the supervision of ECE/CD faculty and mentor teachers. There is emphasis on using observation and assessment to design developmentally appropriate curriculum, implementation and evaluation, discipline, guidance techniques, instructional methods and cooperative relationships with staff, parents and children. (C-ID ECE 210)

Prerequisite: CD 105, CD 132, CD 212, and CD 250.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Lab: Minimum 144 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CD 211 - Observation and Methods in School-Age Development (3.00)

Introduction to observational methodologies and techniques used in the study of school age children and their behavior including observation, recording, analysis, and interpretation as they relate to developmental principles, theories and current research.

Prerequisite: CD 105.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: CSU, Associate Degree Applicable.

CD 212 - Observation and Methods in Early Child Development (3.00)

Introduction to observational methodologies and techniques used in the study of early childhood behavior including observation, recording, analysis, and interpretation as they relate to developmental principles, theories and current research. (C-ID ECE 200)

Prerequisite: CD 105.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: CSU, Associate Degree Applicable.

CD 244 - Children with Special Needs (3.00)

Study of the special-needs child to include the entire spectrum from gifted to handicapped during the formative years. Aids the parent or professional worker in teaching social, emotional, physical and cognitive curricula to special-needs children in an inclusive setting. Atypical development is explored. Special emphasis on the adjustment of the child to home, school and community.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CD 250 - Child Guidance and Early Learning (3.00)

Study of theory, research, and application of child guidance and discipline. Exploration of the basic elements of positive guidance and discipline with an emphasis on attachment, human regard and communication. Aggressive and antisocial behaviors, disruptive behaviors, destructive behaviors, emotional and dependent behaviors, school behaviors, eating behaviors and multiple problem behaviors are all examined.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CD 270 - Mentor Teacher/Adult Supervision (2.00)

Methods and principles of supervising and mentoring student teachers in early childhood educational settings. Emphasis on the role of experienced classroom teachers who function as mentors to new teachers while simultaneously addressing the needs of children, parents and other staff. This course is required for the Master Teacher level of the Child Development Permit.

Prerequisite: CD 105.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CD 271 - Administration: Management and Organization of Child Development Program (3.00)

Study and practice of budgeting, funding, licensing, planning, organizing and managing a variety of programs for young children. The

administrator's role, leadership style, program development, and ongoing organization. Meets permit and licensing training requirements for a Director or Site Supervisor.

Prerequisite: CD 105.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CD 272 - Administration: Human Relations in Child Development Programs (3.00)

Exploration of the overall operations and human relations aspects of administering children's programs. Business management practices, community relations, professional responsibilities and growth, labor relations and staff management will be addressed. Designed to meet the California State Child Development Permit Matrix requirements for Site Supervisor.

Prerequisite: CD 105.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CD 295 - Elementary Laboratory (3.00)

Supervised fieldwork in public elementary school classrooms in both K-3 and 4-6 classroom environments. Emphasis on observation to increase understanding the role of the elementary school teacher, instructional methods, understanding curriculum as it relates to grade level state standards, cooperative relationships and professional ethics of teaching. This class is required for all students transferring to CSUSB seeking a teaching credential.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CD 105.

Applicable: UC, CSU, Associate Degree Applicable.

CHC - College Life

CHC 062 - Introduction to Online Learning (1.00)

Includes basics of e-mail, discussion boards, Internet access, equipment needs, software skills, learning styles and strategies for becoming a successful online learner.

NOTE: This course should be taken before enrolling in an online course. Graded on a Pass or No Pass basis only. Formally offered as CIS 062.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

CHEM - Chemistry

CHEM 087 - Problem Solving and Study Skills for Chemistry (1.00)

Discussion and problem solving sessions to be taken in conjunction with CHEM 101. Presents study skills and techniques for mastery of chemistry principles and test taking strategies. Algebra review with an emphasis on how to use mathematics and algebra to solve problems related to CHEM 101. Graded on a Pass or No Pass basis only.

Prerequisite: MATH 090 or eligibility for MATH 095 as determined through the Crafton Hills College assessment process.

Corequisite: CHEM 101.

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

CHEM 101 - Introduction to Chemistry (4.00)

Introduction to college chemistry, with an emphasis on general principles of chemistry, including critical thinking, analysis and problem solving in chemistry. Topics include the study of matter, bonding, the periodic table, stoichiometry, chemical reactions, nomenclature and organic chemistry. Laboratory component is both qualitative and quantitative in scope. Critical thinking, writing, measurement, identification and analysis are emphasized.

Prerequisite: MATH 090 or eligibility for MATH 095 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

* No UC credit granted if taken after CHEM 150.

CHEM 102 - Introduction to Organic Chemistry (4.00)

Introduction to college organic chemistry, with an emphasis on the fundamental principles of organic chemistry. Topics include structure, nomenclature, properties, reactions, synthesis and biochemistry. Laboratory component is both qualitative and quantitative in scope. Critical thinking, writing, measurement, identification and analysis skills are emphasized.

Prerequisite: CHEM 101 or CHEM 150.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

* No UC credit granted if taken after CHEM 212.

CHEM 123 - Chemistry for Everyone (3.00)

Chemistry for the non-science major. Presentation of the world of chemistry from the viewpoint of the consumer and citizen. Investigation of fundamental principles of chemistry along with health and societal applications. Supplementary topics selected from areas of current social interest, such as air and water pollution, nuclear and alternative energy sources, and forensic science. Fosters an interest in science by preparing students to make effective decisions, and by developing critical thinking skills that can be applied to challenges in a changing world.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

CHEM 150 - General Chemistry I (5.00)

First semester in a year-long general chemistry sequence. Study of the fundamental principles of chemistry. Topics include atomic structure, bonding, the periodic table, stoichiometry, chemical reactions, enthalpy and nomenclature. Laboratory component is both qualitative and quantitative in scope. Critical thinking, writing, measurement, identification, and analysis skills are emphasized. The course meets requirements of science majors as well as pre-dental, pre-medical, pre-veterinary and pre-engineering majors. (C-ID CHEM 110, C-ID CHEM 120S course one of two)

Prerequisite: MATH 095 or eligibility for MATH 102 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Also Offered as: CHEM 150H.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 96 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

CHEM 150H - General Chemistry I-Honors (5.00)

First semester in a year-long general chemistry sequence. Study of the fundamental principles of chemistry. Topics include atomic structure, bonding, the periodic table, stoichiometry, chemical reactions, enthalpy and nomenclature. Laboratory component is both qualitative and quantitative in scope. Critical thinking, writing, measurement, identification, and analysis skills are emphasized. The course meets requirements of science majors as well as pre-dental, pre-medical, pre-veterinary and pre-engineering majors. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID CHEM 110, C-ID CHEM 120S course one of two)

Prerequisite: MATH 095 or eligibility for MATH 102 as determined through the Crafton Hills College assessment process. Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered as: CHEM 150.

Lecture: Minimum 48 hours per semester.

Lab: Minimum 96 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

CHEM 151 - General Chemistry II (5.00)

Continuation of CHEM 150. Topics include kinetics, equilibrium, acids and bases, thermodynamics, electrochemistry, nuclear reactions and chemistry of coordination compounds. Laboratory portion will include a variety of experiments to supplement and reinforce class work. Critical thinking, writing, measurement, identification and analysis skills are emphasized. The course meets requirements of science majors as well as pre-dental, pre-medical, pre-veterinary and pre-engineering majors. (C-ID CHEM 120S course two of two)

Prerequisite: CHEM 150.

Corequisite: None.

Also Offered as: CHEM 151H.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 96 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

CHEM 151H - General Chemistry II-Honors (5.00)

Continuation of CHEM 150. Topics include kinetics, equilibrium, acids and bases, thermodynamics, electrochemistry, nuclear reactions and chemistry of coordination compounds. Laboratory portion will include a variety of experiments to supplement and reinforce class work. Critical thinking, writing, measurement, identification and analysis skills are emphasized. The course meets requirements of science majors as well as pre-dental, pre-medical, pre-veterinary and pre-engineering majors. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID CHEM 120S course two of two)

Prerequisite: CHEM 150 or CHEM 150H. Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered as: CHEM 151.

Lecture: Minimum 48 hours per semester.

Lab: Minimum 96 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

CHEM 212 - Organic Chemistry I (4.00)

First semester of a two semester organic chemistry sequence. Study of modern organic chemistry including structure, nomenclature, reactivity, synthesis and reaction mechanisms. Spectroscopy and modern theoretical concepts studied. Laboratory techniques include multi-step synthesis and characterization of organic molecules using analytical instrumentation and spectroscopic analysis. Traditional separation and purification techniques such as distillation, isolation, and recrystallization. (C-ID CHEM 150, C-ID CHEM 160S course one of two)

Prerequisite: CHEM 151 or CHEM 151H.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

CHEM 213 - Organic Chemistry II (4.00)

Second semester of a two semester organic chemistry sequence. Study of modern organic chemistry including structure, nomenclature, reactivity, synthesis, and reaction mechanisms. Laboratory techniques include purification, isolation, synthesis reactions, and spectroscopic analysis. (C-ID CHEM 160S course two of two)

Prerequisite: CHEM 212.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

CIS - Computer Information Systems

CIS 900 - Beginning Computing (3.00)

A basic, non-technical, entry-level course providing the student with an overview of the components of a personal computer, peripheral devices and software applications. This course is for students who are not familiar with the uses of a personal computer and its applications. Topics will include basic introduction to personal computer hardware, software, digital pictures and the Internet. Hands-on use of the personal computer.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: Not Associate Degree Applicable.

CIS 091 - Essential Technology Skills for College and Career Success (3.00)

An overview and practice of the computing technology knowledge, skills, research techniques, cloud collaboration techniques, language skills, and etiquette needed for college and career success. Topics include keyboarding, introduction to technology tools and applications, document formatting, and local and cloud-based file management and collaboration. No prior computer background is required.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: Associate Degree Applicable.

CIS 095 - Employability Skills for Technical Careers (2.00)

Development of employability and soft skills for technical career success. Workplace competencies, including teamwork, problem-solving, decision-making, and organizational skills. Personal effectiveness competencies, including interpersonal skills, integrity, professionalism, and lifelong learning. Career navigation skills such as resume, portfolio, job search, interview, and networking.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Applicable: Associate Degree Applicable.

CIS 101 - Introduction to Computer and Information Technology (3.00)

Introduction to computer and information technology, including the history, terminology, computer hardware and software components, operation of computer systems, networking, ethics, security, examination of information systems and their role in business. Includes an overview and use of selected software including operating systems, word processors, spreadsheets, presentation applications, database management systems, and basic web design and programming. Discussion of the impact of computers in society and the workplace. This course is also offered as BUSAD 230. (C-ID BUS 140)

Prerequisite: None.

Corequisite: None.

Also Offered as: BUSAD 230.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CIS 091.

Applicable: UC, CSU, Associate Degree Applicable.

CIS 104 - Object Oriented Programming with Visual Basic (3.00)

Introduction to object oriented programming using Visual Basic. Includes defining the problem, planning the solution, coding, testing, debugging and documenting programs using Visual Basic.

Prerequisite: None.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CIS 105 - Database Concepts and Design (3.00)

Fundamentals of database concepts with an emphasis on the design and implementation of relational databases. Includes coverage of basic database administration tasks, data models, data quality, data security, database management systems, and Structured Query Language (SQL).

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CIS 101.

Applicable: CSU, Associate Degree Applicable.

CIS 106 - Spreadsheet Concepts and Application with Excel (3.00)

Comprehensive course on spreadsheet design and application using Microsoft Excel. Includes practical exercises on designing, creating, maintaining, modifying, and analyzing spreadsheets. Essential spreadsheet concepts, formatting, formulas, functions, graphs and charts, pivot tables, what-if analyses, data validation, and collaboration features are covered.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CIS 091 and CIS 101.

Applicable: CSU, Associate Degree Applicable.

CIS 109 - Operating Systems and Environments (3.00)

Operating systems including Windows, Linux/Unix, Mac OS X in a business environment. A strong emphasis will be placed on computer components, operations, functions, and CLI commands. Systems manipulation will include disk management, system install and configuration, utilities, I/O control, customization, memory management, optimization, security and boot methodology. A light emphasis will be placed on operating system virtualization technologies, TCP/IP interaction and ports, automation, and legacy technologies.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CIS 101.

Applicable: CSU, Associate Degree Applicable.

CIS 111 - Web Page Programming and Design (3.00)

Introduction to web page design for personal users, business users and computer professionals. Introduces web page design, programming and administration using HTML, XHTML, CSS and scripting languages. Students will design, create, publish and maintain web pages.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CIS 113 - Java Programming (3.00)

Introduction to object-oriented programming using Java. Includes program design and development, program logic structures, classes and objects, object-oriented design, inheritance, arrays, graphical user interfaces, and applets.

Prerequisite: None.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CIS 101.

Applicable: UC, CSU, Associate Degree Applicable.

CIS 114 - C++ Programming I (3.00)

Introduction to the C++ programming language. Program design, development, and testing of C++ programs that effectively meet application requirements. Topics include the programming environment, data types and expressions, control structures, functions, stream input/output arrays, and introduction to object-oriented programming.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CIS 101.

Applicable: UC*, CSU, Associate Degree Applicable.

CIS 116 - C++ Programming II (3.00)

An advanced study of the C++ programming language and the methodology of object-oriented program development. Program design, implementation, and testing of programs that effectively meet application requirements. Topics include functions, classes, overloading, inheritance, polymorphism, pointers, templates, data structures and algorithms, and file processing.

Prerequisite: CIS 114.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

CIS 117 - Scripting (3.00)

Introduction to Web page scripting and programming using current scripting languages. Includes program development, debugging, and implementation of programs to enhance web pages. Course topics include: Client-side and Server-side scripts, ASP and database integration.

Prerequisite: None.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: CIS 111.

Applicable: CSU, Associate Degree Applicable.

CIS 121 - Android Application Development (3.00)

Mobile application development for the Android platform using Java. Topics include the Android Software Development Kit (SDK), application structure, graphical user interfaces, storage, networking, location-based services, and multimedia.

Prerequisite: CIS 113, CIS 114 or CSCI 110.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CIS 125 - Introduction to C#.net Programming (3.00)

Introduction to object-oriented programming using the C# programming language and the .NET Framework. Includes program design, development, and testing of console and Windows applications. Topics include the C# programming environment, control structures, functions, classes, arrays, streams, Windows forms and event handling.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: CIS 111.

Applicable: Associate Degree Applicable.

CIS 130 - Hardware and Information Technology (3.00)

A hands-on course with an emphasis on practical experience, fundamental computer skills, and essential career skills. The curriculum helps students prepare for entry-level information and communication technology career opportunities and industry certification. Topics include hardware components, operating system functions, software utilities, information systems maintenance and end-user training options.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CIS 101.

Applicable: Associate Degree Applicable.

CIS 132 - Systems and Network Administration (3.00)

A study of server concepts, network services and technologies in a data center or private cloud environment that can be public cloud extensible. Focuses heavily on traditional server and network administration, directory and other network services, storage systems, data centers, hardware, virtualization technologies, troubleshooting and disaster recovery. Introduces cloud concepts and virtualization. This course prepares students for the current version of CompTIA's Server+ certification exam.

Prerequisite: CIS 109.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CIS 134 - Introduction to Information Systems Security (3.00)

An Intensive study of current cyber-security standards, trends, techniques ranging from defensive network architecture to assessments and security operations. Focuses heavily on operating system hardening, defensive network and systems architectures, business continuity plans, policies, risk mitigation, analysis, and cyber-security concepts and tools. Prepares students for the CompTIA Security+ certification exams.

Prerequisite: CIS 109.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CIS 140 - Introduction to Networks (Cisco CCNA 1) (4.00)

First of four courses leading to the Cisco Certified Network Associate (CCNA) designation. Hands-on introduction to the architecture, structure, functions, components, and models of the Internet and other computer networks. Introduction to principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations. Development of skills needed to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 64 hours per semester.

Departmental Recommendation: Successful completion of CIS 101.

Applicable: Associate Degree Applicable.

CIS 141 - Basic Routing and Switching (Cisco CCNA 2) (4.00)

Second of four courses leading to the Cisco Certified Network Associate (CCNA) designation. Basic overview of routing and remote access, addressing, and security. Network monitoring and basic troubleshooting skills. Introduction to the networking field and preparation for employment or further education and/or training including technical skills required for employment as a computer technician or help desk technician as well as communication skills required for help desk and customer service positions.

Prerequisite: CIS 140.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 64 hours per semester.

Applicable: Associate Degree Applicable.

CIS 142 - Advanced Routing and Switching (CISCO CCNA 3) (4.00)

Third of four courses leading to the Cisco Certified Network Associate (CCNA) designation. Study of the equipment, applications and protocols installed in enterprise networks, with a focus on switched networks, wireless requirements, and security. Introduction to advanced routing protocols such as Enhanced Interior Gateway Routing Protocol (EIGRP) and Open Shortest Path First (OSPF) protocol and VLAN configurations. Hands-on configuration, installation, and troubleshooting exercises. Further exploration of the networking field and preparation for employment or further education and/or training.

Prerequisite: CIS 141.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 64 hours per semester.

Applicable: Associate Degree Applicable.

CIS 143 - WAN Technologies and Network Services (CISCO CCNA 4) (4.00)

Last of four courses leading to the Cisco Certified Network Associate (CCNA) designation. Study of the design and configuration of both local area and wide area networks and associated services. Course includes CCNA exam preparation. Advanced exploration of the networking field and preparation for employment or further education and/or training.

Prerequisite: CIS 142.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 64 hours per semester.

Applicable: Associate Degree Applicable.

CIS 161 - Website Design and Programming Using Dreamweaver (3.00)

In-depth study of Website design and programming using Dreamweaver. Students will design, create, publish and maintain Web sites using Dreamweaver.

Prerequisite: None.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CIS 111.

Applicable: CSU, Associate Degree Applicable.

CIS 162 - Introduction to Flash (3.00)

Introduction to Adobe Flash. Development of skills needed to design, create, and publish Flash animations, navigation buttons, movies, and interactive applications.

Prerequisite: None.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CIS 163 - Adobe Photoshop (3.00)

Design, creation, and manipulation of original and existing images and photographs using Adobe Photoshop. Preparation for the Adobe Certified Expert (ACE) certification exam in Photoshop.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CIS 091.

Applicable: CSU, Associate Degree Applicable.

CIS 165 - Introduction to 3D Modeling and Animation (3.00)

Introduction to 3D modeling and animation using Autodesk Maya. Focus includes modeling, texturing, and animating computer generated

environments and objects as well as overviews of the animation production pipeline for both film and videogame design.

Prerequisite: None.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CIS 166 - Advanced 3D Modeling and Animation (3.00)

Techniques of advanced 3D modeling and animation with the Maya character animation and visual effects system. Generation of digital images of animated characters and scenes. Course includes 3D modeling, animations, texture mapping, adding visual effects and rendering.

Prerequisite: CIS 165.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CIS 172 - Digital Video Editing with Adobe Premiere and After Effects (3.00)

Introduction to digital video editing using Adobe Premiere and Adobe After Effects. Development of skills related to importing video from a variety of sources and applying professional edits such as cuts, transitions, lower-third overlays, color and tonal correction, and soundtrack integration. Basic audio editing techniques including reading and editing wave forms and applying a multi-band graphic equalizer. Development of compositions with professional animation effects and transitions.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CIS 173 - Introduction to Adobe After Effects (3.00)

Foundational course in digital video special effects compositing using Adobe After Effects. Development of skills needed to apply professional composites and animations such as text crawls, transitions, camera tracking, green screen compositing, and soundtrack integration.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CIS 174 - Introduction to Adobe Premiere (3.00)

Foundational course in digital video editing using Adobe Premiere. Development of skills necessary to import video from a variety of sources and apply professional edits such as cuts, transitions, lower-third overlays, and soundtrack integration. Introduction to basic audio editing techniques including reading and editing wave forms and applying a multi-band graphic equalizer.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CIS 180 - Computer Graphics with Adobe Illustrator (1.00-3.00)

Introduction to Adobe Illustrator including application in print and web graphic design. Development of skills in illustration and use of vector graphics.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16-48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CIS 182 - Desktop Publishing with Adobe InDesign (1.00-3.00)

Introduction to desktop publishing and page layout using Adobe InDesign. Topics include tools and features used to produce professional publications including newspapers, magazines, flyers and books. Additional topics include color management, typography, and graphics integration.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16-48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

CIS 184 - Photoshop and Digital Photography (3.00)

Introduction to digital photography and the use of PhotoShop to edit, repair, publish and manipulate digital photographs.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: CIS 163.

Applicable: CSU, Associate Degree Applicable.

CIS 190A - Web Master Internship (3.00)

A one-semester course offering hands-on experience in Web page design and website management. This course will provide additional expertise to students interested in furthering their skills in web page design and website management by exposing them to authentic product development, and coaching by a professional mentor in the field.

Prerequisite: CIS 111.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 8 hours per semester.

Field: Minimum 120 hours per semester.

Applicable: Associate Degree Applicable.

CIS 190B - Network Administration Internship (3.00)

A one-semester course offering hands-on experience in network implementation, design, setup, and administration. This course will provide additional expertise to students interested in furthering their skills in network administration by exposing them to network planning, development, wiring, implementation, maintenance and coaching by a professional mentor in the field.

Prerequisite: CIS 130.
Corequisite: None.
Offered: (Fa,Sp).
Lecture: Minimum 8 hours per semester.
Field: Minimum 120 hours per semester.
Applicable: Associate Degree Applicable.

CIS 190C - Hardware Technician Internship (3.00)

A one-semester course offering hands-on experience in computer hardware maintenance and user support. This course will offer further expertise to students interested in furthering their skills in hardware and end-user support by exposing them to authentic support scenarios, and coaching by a professional mentor in the field.

Prerequisite: CIS 130.
Corequisite: None.
Offered: (Fa,Sp).
Lecture: Minimum 8 hours per semester.
Field: Minimum 120 hours per semester.
Applicable: Associate Degree Applicable.

CIS 190D - Software Development Internship (1.00-3.00)

A one-semester course offering hands-on experience in software development. Exposure to authentic software product development and coaching by a professional mentor in the programming and software development industries.

Prerequisite: Successful completion of programming coursework relevant to the internship and instructor approval.
Corequisite: None.
Offered: (Fa,Sp).
Lecture: Minimum 2.67-8 hours per semester.
Field: Minimum 40-120 hours per semester.
Applicable: Associate Degree Applicable.

CIS 190E - Digital Media Design Internship (1.00-3.00)

A one-semester course offering hands-on experience in digital media design. Exposure to authentic digital media design projects and coaching by a professional mentor in the digital media industries.

Prerequisite: Successful completion of digital media coursework relevant to the internship and instructor approval.
Corequisite: None.
Offered: (Fa,Sp).
Lecture: Minimum 2.67-8 hours per semester.
Field: Minimum 40-120 hours per semester.
Applicable: Associate Degree Applicable.

CIS 195A-Z - Selected Topics in Computer Information Systems (1.00 - 3.00)

Examination of current topics related to computer information systems. Specific topics to be announced in the schedule of classes for the semester in which the course is offered.

Prerequisite: None.
Corequisite: None.
Lecture: Minimum 16-48 hours per semester.
Applicable: Associate Degree Applicable.

CIS 211 - Cascading Style Sheet (CSS) Web Design (3.00)

In-depth study of Cascading Style Sheets (CSS) and their application to the design and development of Websites. Topics include CSS syntax, selectors, positioning, internal and external style sheets.

Prerequisite: CIS 111.
Corequisite: None.
Offered: (Fa,Sp).
Lecture: Minimum 48 hours per semester.
Applicable: CSU, Associate Degree Applicable.

COMMST - Communication Studies

COMMST 050 - Fundamentals of Oral Communication (3.00)

Study of the basic skills necessary for communicating in our world. Focuses on the most essential parts of the communication process including language, nonverbal communication, voice and articulation and listening in interpersonal, small group and public situations. This course addresses the specific needs of non-native speakers of English, non-transfer students and students needing additional preparation before taking COMMST 100.

Prerequisite: None.
Corequisite: None.
Lecture: Minimum 48 hours per semester.
Departmental Recommendation: Concurrent enrollment in READ 980 and ENGL 976.
Applicable: Associate Degree Applicable.

COMMST 100 - Elements of Public Speaking (3.00)

Introductory study and training in public communication including the concepts, principles, and skills required to prepare relevant, audience-centered speeches. Development of skills including listening, organization, research, delivery, and critical evaluation of communication messages. (C-ID COMM 110)

Prerequisite: None.
Corequisite: None.
Also Offered as: COMMST 100H.
Offered: (Fa,Sp,Sm).
Lecture: Minimum 48 hours per semester.
Departmental Recommendation: Concurrent enrollment in ENGL 010 or eligibility for ENGL 101.
Applicable: UC, CSU, Associate Degree Applicable.

COMMST 100H - Elements of Public Speaking- Honors (3.00)

Introductory study and training in public communication including the concepts, principles, and skills required to prepare relevant, audience-centered speeches. Development of skills including listening, organization, research, delivery, and critical evaluation of communication messages. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID COMM 110)

Prerequisite: Acceptance into the College Honors Institute.
Corequisite: None.
Also Offered as: COMMST 100.
Offered: (Fa,Sp).
Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 or concurrent enrollment in ENGL 010.

Applicable: UC, CSU, Associate Degree Applicable.

COMMST 101 - Advanced Public Speaking (3.00)

Development of critical thinking and listening skills through advanced public speaking in specific communication environments. Understanding of rhetorical traditions and technological advances as a means of crafting communication messages, emphasizing audience analysis, language use and delivery.

Prerequisite: COMMST 100 or COMMST 100H.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

COMMST 110 - Voice and Diction (3.00)

Techniques in voice production, including theory and practice in developing vocal skills for performance including breathing, rate, pitch, articulation and quality. Application of concepts for students preparing for careers in communication, broadcasting and theatre as well as non-native speakers of English. This course is also offered as THART 110.

Prerequisite: None.

Corequisite: None.

Also Offered as: THART 110.

Offered: (Odd Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

COMMST 111 - Interpersonal Communication (3.00)

Examination of the dynamics of the communication process within the context of interpersonal relationships. Principles of effective listening and accurate expression of verbal and nonverbal messages. Development of skills including assertiveness, conflict management, self disclosure and emotional expression to improve personal and professional interactions with others. (C-ID COMM 130)

Prerequisite: None.

Corequisite: None.

Also Offered as: COMMST 111H.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

COMMST 111H - Interpersonal Communication-Honors (3.00)

Examination of the dynamics of the communication process within the context of interpersonal relationships. Principles of effective listening and accurate expression of verbal and nonverbal messages. Development of skills including assertiveness, conflict management, self disclosure and emotional expression to improve personal and professional interactions with others. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID COMM 130)

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered as: COMMST 111.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

COMMST 120 - Oral Interpretation of Literature (3.00)

Basic principles of analysis and interpretative performance of literature. Introduction to history and contemporary forms of interpretative performance, methods of literary analysis and strategies used by performers to communicate interpretations of prose, poetry and dramatic literature. (C-ID COMM 170)

Prerequisite: None.

Corequisite: None.

Also Offered as: COMMST 120H.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

COMMST 120H - Oral Interpretation of literature - Honors (3.00)

Basic principles of analysis and interpretative performance of literature. Introduction to history and contemporary forms of interpretative performance, methods of literary analysis and strategies used by performers to communicate interpretations of prose, poetry and dramatic literature. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID COMM 170)

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered as: COMMST 120.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

COMMST 125 - Critical Thinking through Argumentation and Debate (3.00)

Study of critical thinking through oral advocacy and debate. Principles of effective argumentation including logic, reasoning, evidence, motivation, persuasion and refutation. Preparation and presentation of written and oral arguments and participation in individual and group debates. Substantial analytical reading is required. (C-ID COMM 120)

Prerequisite: ENGL 101 or ENGL 101H.

Corequisite: None.

Also Offered as: COMMST 125H.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of COMMST 100 or COMMST 100H.

Applicable: UC, CSU, Associate Degree Applicable.

COMMST 125H - Critical Thinking through Argumentation and Debate-Honors (3.00)

Study of critical thinking through oral advocacy and debate. Principles of effective argumentation including logic, reasoning, evidence, motivation, persuasion and refutation. Preparation and presentation of written and oral arguments and participation in individual and group debates. Substantial analytical reading is required. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID COMM 120)

Prerequisite: Acceptance into the College Honors Institute. ENGL 101 or ENGL 101H.

Corequisite: None.

Also Offered as: COMMST 125.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of COMMST 100 or COMMST 100H.

Applicable: UC, CSU, Associate Degree Applicable.

COMMST 135 - Mass Communication in Society (3.00)

An introduction to contemporary mass media including television, radio, sound recordings, film, print media and computer-mediated communication. Exploration of the theories, history, effects, and role of mass communication both in the United States and globally. Critical analysis of mass media messages. This course is also offered as JOUR 135. (C-ID JOUR 100)

Prerequisite: None.

Corequisite: None.

Also Offered as: JOUR 135.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: None.

Applicable: UC, CSU, Associate Degree Applicable.

COMMST 140 - Small Group Communication (3.00)

Introductory principles and techniques of small group interaction including participation in panel discussions, symposiums and cooperative problem-solving. Development of skills in agenda setting, decision-making, group leadership, conflict management and professional presentations. Emphasis on critical thinking and meaningful communication as they apply to work in business, education and the community. (C-ID COMM 140)

Prerequisite: None.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

COMMST 145 - Business Communication (4.00)

Principles and techniques of effective oral and written communication in business environments. Organization, composition, presentation and analysis of letters, memorandums, oral and written reports, proposals and resumes. Development of interviewing and collaborative problem solving skills. Emphasis on diversity and the use of technology in the global marketplace. This course is also offered as BUSAD 145. (C-ID BUS 115)

Prerequisite: ENGL 101 OR ENGL 101H.

Corequisite: None.

Also Offered as: BUSAD 145.

Lecture: Minimum 64 hours per semester.

Applicable: CSU, Associate Degree Applicable.

COMMST 155 - Human Relations in the Workplace (3.00)

Examination of individual, group and organizational behavior as it affects performance and productivity in the workplace. Exploration of issues including diversity, leadership, teamwork, motivation, employee development, ethics, decision making and problem solving toward the goal of improving interpersonal effectiveness on the job. This course is also offered as BUSAD 155.

Prerequisite: None.

Corequisite: None.

Also Offered as: BUSAD 155.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

COMMST 174 - Communication in a Diverse World (3.00)

Study of the multicultural nature of communication in our diverse world. Examines how interactions are influenced by culture, including race and ethnicity, gender and sexual orientation, age, religious faith and disability. Exploration of personal cultural identity, theories of intercultural communication, sources of cultural conflict, and development of skills for effective intercultural communication. (C-ID COMM 150)

Prerequisite: None.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

COMMST 178 - Communication in a Technological World (3.00)

Study of the evolving nature of communication in an increasingly technological world. Examination of the influence of technology on perception, personal relationships, self-identity and development of skills to effectively communicate in the digital world. Historical development of communication technology, critical analysis of mediated messages and the influence of technology on society and culture as well as individual physical, psychological and social development.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

COMMST 246A - Special Studies in Communication (1.00)

Independent projects for students with a special interest in communication involving assigned readings, research, internships, conferences, and/or public speaking. Projects to be determined jointly by the student and instructor prior to registration. Students may enroll a maximum of four times and earn a maximum of six units in special studies coursework.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

COMMST 246B - Special Studies in Communication (1.00)

Independent projects for students with a special interest in communication involving assigned readings, research, internships, conferences, and/or public speaking. Projects to be determined jointly by the student and instructor prior to registration. Students may enroll a maximum of four times and earn a maximum of six units in special studies coursework.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

COMMST 246C - Special Studies in Communication (1.00)

Independent projects for students with a special interest in communication involving assigned readings, research, internships, conferences, and/or public speaking. Projects to be determined jointly by the student and instructor prior to registration. Students may enroll a maximum of four times and earn a maximum of six units in special studies coursework.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

COMMST 246D - Special Studies in Communication (1.00)

Independent projects for students with a special interest in communication involving assigned readings, research, internships, conferences, and/or public speaking. Projects to be determined jointly by the student and instructor prior to registration. Students may enroll a maximum of four times and earn a maximum of six units in special studies coursework.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

COMMST 247A - Special Studies in Communication (2.00)

Independent projects for students with a special interest in communication involving assigned readings, research, internships, conferences, and/or public speaking. Projects to be determined jointly by the student and instructor prior to registration. Students may enroll a maximum of four times and receive a maximum of six units for special studies coursework.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 96 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

* UC will determine units granted AFTER transfer.

COMMST 247B - Special Studies in Communication (2.00)

Independent projects for students with a special interest in communication involving assigned readings, research, internships, conferences, and/or public speaking. Projects to be determined jointly by the student and instructor prior to registration. Students may enroll a maximum of four times and receive a maximum of six units for special studies coursework.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 96 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

* UC will determine units granted AFTER transfer.

COMMST 247C - Special Studies in Communication (2.00)

Independent projects for students with a special interest in communication involving assigned readings, research, internships, conferences, and/or public speaking. Projects to be determined jointly by the student and instructor prior to registration. Students may enroll a maximum of four times and receive a maximum of six units for special studies coursework.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 96 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

* UC will determine units granted AFTER transfer.

COMMST 248A - Special Studies in Communication (3.00)

Independent projects for students with a special interest in communication involving assigned readings, research, internships, conferences, and/or public speaking. Projects to be determined jointly by the student and instructor prior to registration. Students may enroll a maximum of six units for special studies coursework.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 144 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

COMMST 248B - Special Studies in Communication (3.00)

Independent projects for students with a special interest in communication involving assigned readings, research, internships, conferences, and/or public speaking. Projects to be determined jointly by the student and instructor prior to registration. Students may enroll a maximum of six units for special studies coursework.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 144 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

COUN - Counseling

COUN 900 - Essentials of Student Success (2.00-3.00)

Introduction to academic success strategies and support services for basic skills students. Exploration of learning styles, study and time management techniques, motivation, memory, reading strategies, and academic and personal goals.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 32-48 hours per semester.

Departmental Recommendation: Concurrent enrollment in any basic skills level Math, English or Reading class.

Applicable: Not Associate Degree Applicable.

COUN 100 - Student Success and the College Experience (3.00)

Introduction to the college experience, including academic and career self-assessment and strategies for success. Exploration and application of theories of physical, social and psychological development toward the goal of success in college. Survey of the tools necessary to excel academically, socially, physically and emotionally including goal setting, decision making, and life planning; time management; critical thinking; lifelong learning; financial planning; and wellness.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*COUN 100 and COUN 130 combined: maximum UC transferable credit, one course

COUN 110 - Introduction to Career, Education and Life Planning (3.00)

An introduction to career planning. Exploration of academic, personal and career goals through assessment of personality, interest, values, and talents toward completion of a comprehensive career and educational plan for first time career seekers. Analysis of desired lifestyle and work, decision making, and goal achievement will be addressed. Exploration of the sociological, physiological, and psychological needs in identifying and planning a major and career plan. Focus on the career planning process and the development of a career portfolio that demonstrates knowledge of career decision making, planning and job search strategies.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: CSU, Associate Degree Applicable.

COUN 111 - Career Transition and Educational Planning (3.00)

Designed for the transitional college student changing careers due to loss of job, change of career path, work-life balance, including veterans. Identify academic, personal and career goals through assessment of personality, interest, values, talents, and transferable skills to develop a career and educational plan. Assessment of psychological, physiological, sociological needs in transitioning to a new career; including stress, anxiety, self-confidence, positive motivation,

coping with unemployment or change in career needs, and finding satisfying work will be addressed. Analysis of desired lifestyle and work environments, decision making, overcoming obstacles, and identifying occupational security. Focus on learning the career planning process and developing a career portfolio that demonstrates knowledge of career decision making, planning and job search strategies.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: CSU, Associate Degree Applicable.

COUN 120 - Stress Management and Emotional Well-Being (3.00)

The study and application of current research to attain emotional well-being in order to live a fulfilling life. Designed to respond to the need to understand and manage personal stress as it relates to the college student. Examination of personal wellness development and the roles of stress and stress management.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 010.

Applicable: UC, CSU, Associate Degree Applicable.

COUN 130 - Life Transitions and the Transfer Experience (2.00)

An examination of the transfer experience as a context in which to develop life-long skills of problem solving, goal setting, planning and decision making. Development of strategies to establish educational and career goals necessary to transition from the community college to the four-year institution.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: *UC, CSU, Associate Degree Applicable.

*COUN 130 and COUN 100 combined: maximum UC transferable credit, one course

CSCI - Computer Science

CSCI 110 - Introduction to Computer Science I (3.00)

Introduction to computer science, including programming, theory and applications. Introduction to computer software design, implementation, methods, environment and problem solving using structured programming in a high-level language. Topics include data types, variables, expressions, input/output, control structures, functions, arrays, strings and introduction to object-oriented programming. (C-ID COMP 122)

Prerequisite: MATH 102 or MATH 160 or eligibility for MATH 250 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 32 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: None.

Applicable: UC, CSU, Associate Degree Applicable.

CSCI 120 - Introduction to Computer Science II (3.00)

Object-oriented software development. Emphasizes software engineering principles and development for substantial programs. Topics include abstract data types, overloading, inheritance, polymorphism, recursion, pointers and fundamental data structures. (C-ID COMP 132)

Prerequisite: CSCI 110.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 32 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

CSCI 200 - Discrete Structures (4.00)

Introduction to discrete mathematics with emphasis on applications to computer science. Topics include functions, relations, sets, logic, proof techniques, basics of counting, number theory, discrete probability, graphs and trees. This course is also offered as MATH 200. (C-ID COMP 152)

Prerequisite: MATH 250 and CSCI 110.

Corequisite: None.

Also Offered as: MATH 200.

Lecture: Minimum 64 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

CSCI 230 - Introduction to Data Structures and Algorithms (3.00)

Focuses on implementation and mathematical analysis of foundational data structures and algorithms. Topics include arrays, lists, stacks, queues, trees, hashing, heaps, analysis of algorithms, storage allocation and memory management techniques.

Prerequisite: CSCI 120.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CSCI 200.

Applicable: UC, CSU, Associate Degree Applicable.

CSCI 240 - Computer Organization and Assembly Language Programming (3.00)

An introduction to computer architecture and assembly language programming. Topics include number representation, digital logic, instruction sets, addressing modes, interrupts, input/output (I/O), memory organization and assembly language programming. (C-ID COMP 142)

Prerequisite: CSCI 110.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: None.

Applicable: UC, CSU, Associate Degree Applicable.

DANCE - Dance**DANCE 101 - Modern Dance I (2.00)**

Introduction to the fundamentals of modern dance technique. Exploration of the history and culture of modern dance as well as creative expression through movement. Focus on foundational postures, alignments, structured improvisation and choreographed sequences.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

DANCE 102 - Modern Dance II (2.00)

A continuation of DANCE 101. Ongoing study of modern dance technique emphasizing structured improvisation and choreographed sequences at an intermediate level. Further exploration of the history and culture of modern dance and modern dance theory.

Prerequisite: DANCE 101.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

DANCE 103 - Ballet I (2.00)

Introduction to classical ballet movement. Fundamental ballet technique including barre exercise, center and across the floor combinations. Exploration of the vocabulary, history and culture. Focus on foundational postures, alignment and sequences.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

DANCE 104 - Ballet II (2.00)

A continuation of DANCE 103. Ongoing study of classical ballet movement, emphasizing ballet technique including barre exercise, center and across the floor combinations at an intermediate level. Further exploration of the history and culture of ballet and ballet theory.

Prerequisite: DANCE 103.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

DANCE 130A - Jazz Dance I (.50-1.00)

Instruction in jazz dance for beginning students with little or no experience in jazz dance. Jazz techniques using a variety of styles and approaches within the jazz idiom. This course is also offered as KIN/D 130A.

Prerequisite: None.

Corequisite: None.

Also Offered as: KIN/D 130A.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

DANCE 130B - Jazz Dance II (.50-1.00)

Instruction in jazz dance for intermediate students with minimal experience in jazz dance. Intermediate-level Jazz techniques using a variety of styles and approaches within the jazz idiom. This course is also offered as KIN/D 130B.

Prerequisite: None.

Corequisite: None.

Also Offered as: KIN/D 130B.

Lab: Minimum 24-48 hours per semester.

Applicable: *UC, *CSU, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC or CSU.

DANCE 130C - Jazz Dance III (.50-1.00)

Instruction in jazz dance for intermediate/advanced students with moderate experience in jazz dance. Intermediate/advanced Jazz techniques using a variety of styles and approaches within the jazz idiom. This course is also offered as KIN/D 130C.

Prerequisite: None.

Corequisite: None.

Also Offered as: KIN/D 130C.

Lab: Minimum 24-48 hours per semester.

Applicable: *UC, *CSU, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC or CSU.

DANCE 130D - Jazz Dance IV (.50-1.00)

Jazz dance for advanced students who wish to perform advanced routines, identify technical problems and correct deficiencies. Advanced Jazz techniques using a variety of styles and approaches within the jazz idiom. This course is also offered as KIN/D 130D.

Prerequisite: None.

Corequisite: None.

Also Offered as: KIN/D 130D.

Lab: Minimum 24-48 hours per semester.

Applicable: *UC, *CSU, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC or CSU.

DANCE 143A - Funk/Hip Hop Dance I (.50-1.00)

Instruction in funk and hip hop dance for beginning students with little or no experience. Development of beginning level skills that will enable students to perform dance steps such as brake, popstyle and up-tempo. This course is also offered as KIN/D 143A.

Prerequisite: None.

Corequisite: None.

Also Offered as: KIN/D 143A.

Lab: Minimum 24-48 hours per semester.

Applicable: *UC, *CSU, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC or CSU.

DANCE 143B - Funk/Hip Hop Dance II (.50-1.00)

Instruction in funk and hip hop dance for intermediate students with minimal experience. Further development of skills that will enable students to perform dance steps such as brake, pop style and up-tempo. This course is also offered as KIN/D 143B.

Prerequisite: None.

Corequisite: None.

Also Offered as: KIN/D 143B.

Lab: Minimum 24-48 hours per semester.

Applicable: *UC, *CSU, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC or CSU.

DANCE 143C - Funk/Hip Hop Dance III (.50-1.00)

Instruction in funk and hip hop dance for intermediate/advanced students who wish to clarify technical problems and deficiencies. Further development in skills that will enable students to perform more complicated dance steps. This course is also offered as KIN/D 143C.

Prerequisite: None.

Corequisite: None.

Also Offered as: KIN/D 143C.

Lab: Minimum 24-48 hours per semester.

Applicable: *UC, *CSU, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC or CSU.

DANCE 143D - Funk Hip/Hop Dance IV (.50-1.00)

Instruction in funk and hip hop dance for advanced students who wish to clarify technical problems and deficiencies and develop advanced dance and choreography skills. This course is also offered as KIN/D 143D.

Prerequisite: None.

Corequisite: None.

Also Offered as: KIN/D 143D.

Lab: Minimum 24-48 hours per semester.

Applicable: *UC, *CSU, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC or CSU.

DANCE 163A - Ballroom/Swing/Salsa I (.50-1.00)

Beginning principles of Ballroom/Swing/Salsa dance. Development of physical skills including rhythm, syncopation, partnering and body expression. Dance forms include Waltz, Foxtrot, Salsa, East Coast Swing, West Coast Swing, Cha Cha Cha and Night Club Two Step. This course is also offered as KIN/D 163A.

Prerequisite: None.

Corequisite: None.

Also Offered as: KIN/D 163A.

Lab: Minimum 24-48 hours per semester.

Applicable: *UC, *CSU, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC or CSU.

DANCE 163B - Ballroom/Swing/Salsa II (.50-1.00)

Intermediate principles of Ballroom/Swing/Salsa dance. Continued development of physical skills including rhythm, syncopation, partnering and body expression. Dance forms include Waltz, Salsa, East Coast Swing, West Coast Swing, Cha Cha Cha and Night Club two step. This course is also offered as KIN/D 163B.

Prerequisite: None.

Corequisite: None.

Also Offered as: KIN/D 163B.

Lab: Minimum 24-48 hours per semester.

Applicable: *UC, *CSU, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC or CSU.

DANCE 163C - Ballroom/Swing/Salsa III (.50-1.00)

Intermediate/advanced principles of Ballroom/Swing/Salsa dance. Development of physical skills including rhythm, syncopation, partnering and body expression. Dance Club Two Step. This course is also offered as KIN/D 163C.

Prerequisite: None.

Corequisite: None.

Also Offered as: KIN/D 163C.

Lab: Minimum 24-48 hours per semester.

Applicable: *UC, *CSU, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC or CSU.

DANCE 163D - Ballroom/Swing/Salsa IV (.50-1.00)

Advanced principles of Ballroom/Swing/Salsa dance. Continued physical skills including rhythm, syncopation, partnering and body expression. Dance forms include Waltz, Foxtrot, Salsa, East Coast Swing, West Coast Swing, Cha Cha Cha and Night Club Two Step. This course is also offered as KIN/D 163D.

Prerequisite: None.

Corequisite: None.

Also Offered as: KIN/D 163D.

Lab: Minimum 24-48 hours per semester.

Applicable: *UC, *CSU, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC or CSU.

DANCE 174x4 - Dance Production Workshop (2.00)

Preparation, rehearsal, production and performance of dance pieces. This course may be taken four times. This course is also offered as THART 174X4.

Prerequisite: None.

Corequisite: None.

Also Offered as: THART 174X4.

Lecture: Minimum 16 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Audition with instructor.

Applicable: UC, CSU, Associate Degree Applicable.

DANCE 200 - Dance History and Appreciation (3.00)

Introduction to diverse social and cultural genres of dance in present and past societies. Study of the history of dance, comparison of dance movement, purpose and practices, and the role of dance as an art, entertainment and means of communication.

Prerequisite: None.

Corequisite: None.

Also Offered as: DANCE 200H.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

DANCE 200H - Dance History and Appreciation-Honors (3.00)

Introduction to diverse social and cultural genres of dance in present and past societies. Study of the history of dance, comparison of dance movement, purpose and practices, and the role of dance as an art, entertainment and means of communication. This course includes content and experiences appropriate for students wishing to earn honors credit.

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered as: DANCE 200.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

EA - Educational Assistance

EA 907 - Learning Disability Assessment (0.50)

Assessment for learning disabilities services eligibility. Group and individual testing, basic instruction in study skills, academic accommodations, and learning styles. Through both assessment and class exercises, an individual learning profile including learning strengths and weaknesses and recommended compensating strategies will be developed. Open entry, open exit course. Graded on a Pass or No Pass basis only.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-27 hours per semester.

Departmental Recommendation: Eligibility for Disabled Students Programs and Services (DSPS).

Applicable: Not Associate Degree Applicable.

EA 920 - Self Advocacy and Strategies for Success (2.00)

Introduction to the legal rights and responsibilities of students with disabilities, self-advocacy, and strategies for accommodating limitations. Graded on a Pass or No Pass basis only.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 32-36 hours per semester.

Departmental Recommendation: Eligibility for services provided by Disabled Students Programs and Services (DSPS).

Applicable: Not Associate Degree Applicable.

EA 925 - Access Technology Support Lab (0.50 - 2.00)

Practical introduction to assistive computer technology for individuals with orthopedic, learning, visual, and/or hearing disabilities. Focuses on individual needs in access technology within the context of basic microcomputer application packages that include keyboarding, word processing and Windows. Open entry, open exit course. Graded on a Pass or No Pass basis only.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-96 hours per semester.

Departmental Recommendation: Eligibility for services provided by Disabled Students Programs and Services (DSPS).

Applicable: Not Associate Degree Applicable.

EA 958 - Tools and Strategies for Academic Success (3.00)

This course, though open to all students, is designed primarily for students with disabilities and/or educational disadvantages. Coordination of access technology with specific study strategies will be tailored to individual learning profiles and needs. Emphasis will be on application of acquired skills within content areas.

Prerequisite: None.

Corequisite: Student must be taking at least one additional academic class and EA 925.

Lecture: Minimum 40 hours per semester.

Lab: Minimum 24 hours per semester.

Departmental Recommendation: None.

Applicable: Not Associate Degree Applicable.

ECON - Economics**ECON 100 - Introduction to Economics (3.00)**

Economic analysis applied to issues and problems facing the U.S. economy. Economic problems are analyzed with the elementary tools of economics as a way of evaluating alternative choices with respect to actual or hypothetical courses of action. Topics include supply and demand, market structures, inflation, unemployment, fiscal policy, monetary policy and international trade.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 Eligibility for MATH 095.

Applicable: UC*, CSU, Associate Degree Applicable.

*No UC credit granted if taken after ECON 200 or ECON 201.

ECON 200 - Principles of Macroeconomics (3.00)

Introduction to the basic mechanisms of macroeconomics, including key underlying concepts, theories and institutions such as the market system, national income accounting, the Classical and Keynesian theories, the Federal Reserve System and the banking system. An examination of various contemporary economic problems such as business cycle, economic growth, unemployment, inflation, and budget deficit and debt.

Other topics including money creation by the banking sector, the role of the central bank, fiscal policy, and monetary policy are also examined. (C-ID ECON 202)

Prerequisite: MATH 090 or eligibility for MATH 095 as determined by the Crafton Hills College assessment process.

Corequisite: None.

Also Offered as: ECON 200H.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of MATH 095 or eligibility for MATH 108 and eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

ECON 200H - Principles of Macroeconomics-Honors (3.00)

Introduction to the basic mechanisms of macroeconomics, including key underlying concepts, theories and institutions such as the market system, national income accounting, the Classical and Keynesian theories the Federal Reserve System and the banking system. An examination of various contemporary economic problems such as business cycle, economic growth, unemployment, inflation, and budget deficit and debt. Other topics including money creation by the banking sector, the role of the central bank, fiscal policy, and monetary policy are also examined. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID ECON 202)

Prerequisite: Acceptance into the College Honors Institute and MATH 090 or eligibility for MATH 095 as determined by the Crafton Hills College assessment process.

Corequisite: None.

Also Offered as: ECON 200.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of MATH 095 or eligibility for MATH 108.

Applicable: UC, CSU, Associate Degree Applicable.

ECON 201 - Principles of Microeconomics (3.00)

An introduction to economic principles that govern production, exchange, distribution and consumption in a capitalist economy. Topics include supply and demand, consumer theory, production theory, and price formation in competitive and noncompetitive markets, theory of comparative advantage and international trade. Issues including monopoly, public goods, unequal income distribution, and environmental problems are also examined. (C-ID ECON 201)

Prerequisite: MATH 090 or eligibility for MATH 095 as determined by the Crafton Hills College assessment process.

Corequisite: None.

Also Offered as: ECON 201H.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of MATH 095 or eligibility for MATH 108 and eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

ECON 201H - Principles of Microeconomics-Honors (3.00)

An introduction to economic principles that govern production, exchange, distribution and consumption in a capitalist economy. Topics include supply and demand, consumer theory, production theory, and price formation in competitive and noncompetitive markets, theory of

comparative advantage and international trade. Issues including monopoly, public goods, unequal income distribution, and environmental problems are also examined. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID ECON 201)

Prerequisite: Acceptance into the College Honors Institute and MATH 090 or eligibility for MATH 095 as determined by the Crafton Hills College assessment process.

Corequisite: None.

Also Offered as: ECON 201.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of MATH 095 or eligibility for MATH 108.

Applicable: UC, CSU, Associate Degree Applicable.

EDU - Education

EDU 290 - Introduction to Education (3.00)

Introduction to the field of education designed to familiarize students with the broad aspects of the profession, philosophy, and principles of teaching school age children. This class is required for all students transferring to CSUSB seeking a multiple subject credential.

Prerequisite: None.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of CD 105.

Applicable: UC, CSU, Associate Degree Applicable.

EMS - Emergency Medical Services

EMS 901 - Preventing Disease Transmission for Emergency Response Employees (.50)

Instruction in disease transmission, infection control practices, including occupational exposure management and legal concerns. Designed for emergency medical services, hospital and public safety personnel. Graded on a Pass or No Pass basis only.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 8 hours per semester.

Departmental Recommendation: Participants should be emergency service personnel or employed in a related healthcare profession.

Applicable: Not Associate Degree Applicable.

EMS 910 - Basic Life Support - Health Care Provider (.50)

Knowledge and skills of cardiopulmonary resuscitation (CPR) for victims of all ages, including ventilation devices, automated external defibrillator, and foreign-body airway obstruction. This course meets the 2000 Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care at the healthcare provider level. Graded on a Pass or No Pass basis only.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 4 hours per semester.

Lab: Minimum 12 hours per semester.

Departmental Recommendation: Participants should be emergency service personnel or employed in a related healthcare profession.

Applicable: Not Associate Degree Applicable.

EMS 912 - Basic Cardiac Life Support- Instructor (.75)

Review and update of skills and knowledge necessary to perform Cardiopulmonary Resuscitation; techniques of teaching, including practice teaching. Graded on a Pass or No Pass basis only.

Prerequisite: EMS 910 and provide a copy of a current American Heart Association (AHA) and Basic Life Support (BLS) Healthcare Provider card.

Corequisite: None.

Lecture: Minimum 12 hours per semester.

Applicable: Not Associate Degree Applicable.

EMS 913 - Basic Cardiac Life Support - Instructor (Recertification) (.25)

To allow qualified individuals to maintain their certification as an instructor for the American Heart Association (AHA) BLS for Healthcare Providers course. Graded on a Pass or No Pass basis only.

Prerequisite: EMS 912 and provide a copy of a current American Heart Association (AHA) and Basic Life Support (BLS) Healthcare Provider card.

Corequisite: None.

Lecture: Minimum 4 hours per semester.

Applicable: Not Associate Degree Applicable.

EMS 921 - Emergency Medical Technician Refresher/Transitional Course (2.00)

Review of all facets of basic life-support measures used in Emergency Services, the use of medical equipment and supplies including the current terminology, techniques and materials. This course is for the EMT/NREMT practitioners as a refresher course every two years, or the EMT student that was unsuccessful three-times with the National Registry cognitive exam as a 24 hour refresher course. California Code of Regulations requires training agencies to offer one of these refresher courses each semester as long as an EMT certification course is being offered. Graded on a Pass / No Pass basis only.

Prerequisite: Upon entering this course, students must be able to present proof of a valid EMT certification in any county, state, or National Registry which is current within the past 2 years or an accredited EMT course completion certificate within the past 1 year.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Applicable: Not Associate Degree Applicable.

EMS 923 - Advanced Cardiac Life Support - Instructor (Recertification) (.25)

The Advanced Cardiac Life Support (ACLS) Instructor Recertification course is designed to allow individuals who possess a current AHA ACLS Instructor card to update their knowledge and skills. Graded on a Pass or No Pass basis only.

Prerequisite: EMS 112 and provide a copy of a current American Heart Association (AHA) and Advanced Cardiac Life Support (ACLS) Healthcare card.

Corequisite: None.

Lecture: Minimum 4 hours per semester.

Applicable: Not Associate Degree Applicable.

EMS 931 - Advanced Cardiac Life Support Provider (Recertification) (.25)

The Advanced Cardiac Life Support (ACLS) provider recertification course is designed for individuals who possess a current American Heart Association (AHA) Advanced Cardiac Life Support (ACLS) Provider card to update their knowledge and skills. Graded on a Pass or No Pass basis only.

Prerequisite: Provide a copy of a current American Heart Association (AHA), Advanced Cardiac Life Support (ACLS) Healthcare Provider card.

Corequisite: None.

Lecture: Minimum 4 hours per semester.

Applicable: Not Associate Degree Applicable.

EMS 932 - Selected Topics in Emergency Medical Services-Outdoor Emergency Care Refresher "A" (.50)

Review of emergency care training applied to the outdoor environment. Covers environmental effects on humans, patient assessment, respiratory and circulatory impairment, bone and joint injuries and ski injuries. Complies with National Ski Patrol training requirements for Ski Patrol candidates. Graded on a Pass or No Pass basis only.

Prerequisite: EMS 039.

Corequisite: None.

Lecture: Minimum 4 hours per semester.

Lab: Minimum 12 hours per semester.

Applicable: Not Associate Degree Applicable.

EMS 933 - Selected Topics in Emergency Medical Services-Outdoor Emergency Care Refresher "B" (.50)

Review of emergency care training applied to the outdoor environment. Covers environmental effects on humans, patient assessment, respiratory and circulatory impairment, bone and joint injuries, and ski injuries. Complies with National Ski Patrol training requirements for Ski Patrol candidates. Graded on a Pass or No Pass basis only.

Prerequisite: EMS 039.

Corequisite: None.

Lecture: Minimum 4 hours per semester.

Lab: Minimum 12 hours per semester.

Applicable: Not Associate Degree Applicable.

EMS 934 - Selected Topics in Emergency Medical Services-Outdoor Emergency Care Refresher "C" (.50)

Review of emergency care training applied to the outdoor environment. Covers environmental effects on humans, patient assessment, respiratory and circulatory impairment, bone and joint injuries, and ski injuries. Complies with National Ski Patrol training requirements for Ski Patrol candidates. Graded on a Pass or No Pass basis only.

Prerequisite: EMS 039.

Corequisite: None.

Lecture: Minimum 4 hours per semester.

Lab: Minimum 12 hours per semester.

Applicable: Not Associate Degree Applicable.

EMS 020 - Emergency Medical Technician (6.00)

This course is designed to instruct the student to a level of an emergency medical technician that serves as a vital link in the chain of a health care team. This includes all skills necessary to provide emergency medical care at a basic life support level with an ambulance service or other specialized services. Stresses hands-on emergency medical skills proficiency needed to enhance the Emergency Medical Services as part of a team of professionals. Must be 18 years of age at the time of registration.

Prerequisite: 18 years of age at the time of registration. Completion of ENGL 010 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process.

Corequisite: EMS 021, EMS 022, and EMS 023.

Lecture: Minimum 60 hours per semester.

Lab: Minimum 60 hours per semester.

Clinic: Minimum 24 hours per semester.

Field: Minimum 24 hours per semester.

Departmental Recommendation: Good dexterity, coordination, abilities to work in confined spaces, on the ground and in an unstable unpredictable environment.

Applicable: Associate Degree Applicable.

EMS 021 - Preventing Disease Transmission for Emergency Medical Technician (.50)

Instruction in disease transmission, infection control practices, including occupational exposure management and legal concerns. Designed for Emergency Medical Services, hospital and public safety personnel. Graded on a Pass or No Pass basis only.

Prerequisite: None.

Corequisite: EMS 020, EMS 022, and EMS 023.

Lecture: Minimum 8 hours per semester.

Departmental Recommendation: None.

Applicable: Associate Degree Applicable.

EMS 022 - Basic Life Support for Emergency Medical Technician-EMT (.50)

Knowledge and skills of cardiopulmonary resuscitation (CPR) for victims of all ages including ventilation devices, automated external defibrillator, and foreign-body airway obstruction. This course meets the current American Heart Association guidelines for cardiopulmonary resuscitation and emergency cardiovascular care at the healthcare provider level. Graded on a Pass or No Pass basis only.

Prerequisite: Enrollment into EMS 020.

Corequisite: EMS 020, EMS 021, and EMS 023.

Lecture: Minimum 6 hours per semester.

Lab: Minimum 6 hours per semester.

Applicable: Associate Degree Applicable.

EMS 023 - Hazardous Materials First Responder Awareness for Emergency Medical Technician-I/EMT-Basic (.50)

Instruction in the recognition of hazardous materials events, action responses to the events and hazard assessment techniques. Satisfies the requirements for all healthcare workers at the hazardous materials awareness level. Graded on a Pass or No Pass basis only.

Prerequisite: None.

Corequisite: EMS 020, EMS 021, and EMS 022.

Lecture: Minimum 8 hours per semester.

Applicable: Associate Degree Applicable.

EMS 024 - Ambulance Strike Team Leader (1.00)

Preparation of leaders in the ambulance industry for the role of Ambulance Strike Team (AST) Leader. Meets the requirements of the State of California Office of Emergency Services (OES) and the Emergency Medical Services Authority (EMSA). Graded on a Pass or No Pass basis only.

Prerequisite: FIRET 506.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

EMS 025 - Customer Service and Professionalism for the Emergency Services Worker (.50)

Preparation of the Emergency Medical Services student in customer service, communication skills, hiring processes and career awareness within the emergency services field.

Prerequisite: None.

Corequisite: EMS 020.

Also Offered as: None.

Lecture: Minimum 8 hours per semester.

Applicable: Associate Degree Applicable.

EMS 026 - Emergency Responder (3.00)

An Emergency Medical Responder is the first medically trained professional to serve as a vital link in the chain of health care providers that arrive on scene of an emergency. This course is designed for those that are interested in the pre hospital/hospital field as an Emergency Medical Technician (EMT), Emergency Room Technician, Paramedic, Firefighter or Law Enforcement.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 40 hours per semester.

Lab: Minimum 24 hours per semester.

Departmental Recommendation: Basic understanding of the Emergency Medical Field and good dexterity, coordination, ability to work in confined spaces and in unstable unpredictable environments.

Applicable: Associate Degree Applicable.

EMS 030 - Emergency Department Technician (4.25)

Instructions in all facets of basic life support measures, CPR, and the use of appropriate clinical emergency equipment and supplies. Stresses hands-on skills proficiency in assisting the physician with suturing, sterile set-up of trays, application of plaster and other types of splints. Includes

confidentiality, professionalism, including a good work ethic. Introduces emergency equipment used in pre-hospital care and how it impacts care in the emergency department.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 40 hours per semester.

Lab: Minimum 44 hours per semester.

Clinic: Minimum 40 hours per semester.

Applicable: Associate Degree Applicable.

EMS 039 - Outdoor Emergency Care (5.75)

Comprehensive emergency care training applied to the outdoor environment. Covers environmental effects on humans, patient assessment, respiratory and circulatory impairment, bone and joint injuries, and ski injuries. Complies with National Ski Patrol training requirements for Ski Patrol candidates. Graded on a Pass or No Pass basis only.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 80 hours per semester.

Lab: Minimum 40 hours per semester.

Applicable: Associate Degree Applicable.

EMS 043 - Ski Patrol - Basic Patrol Training (.50 - 2.50)

Classroom and ski slope training necessary to provide emergency medical care to victims of accidents or sudden illness at a ski resort or cross country facility. Graded on a Pass or No Pass basis only.

Prerequisite: Must pass a safety skiing and ski proficiency test the first day of class.

Corequisite: None.

Lab: Minimum 24-120 hours per semester.

Departmental Recommendation: EMS 039.

Applicable: Associate Degree Applicable.

EMS 060 - EMT-B Field Practicum (7.25)

Coordination of basic emergency medical technician training on a field Unit with a mentor; opportunity to observe and assist in emergency medical intervention in traumatic and medical out of hospital emergencies. Provides the Emergency Medical Technician-B the field experience necessary to apply to the paramedic program.

Prerequisite: EMS 020; Must be pre-selected into the EMT-EMT-P, A.S. Degree Program.

Corequisite: EMS 105.

Lecture: Minimum 16 hours per semester.

Field: Minimum 500 hours per semester.

Applicable: Associate Degree Applicable.

EMS 103 - Mobile Intensive Care Nurse (2.5)

Orientation to advanced prehospital care protocols for the ICEMA Region (San Bernardino, Inyo and Mono counties) and Riverside County. Provides comprehensive exploration of EMS systems, medical-legal concerns, and the roles and responsibilities of the MICN. The lab sessions afford the student the opportunity to develop skills related to

protocol utilization and radio communication. Graded on a Pass or No Pass basis only.

Prerequisite: As required by San Bernardino and Riverside County Emergency Medical Services: A current California R.N. license, one year experience as a registered nurse, 800 hours experience as a nurse in the emergency department, current ACLS certification, proof of successful completion of a cardiac dysrhythmia course, current employment in a base station hospital in San Bernardino, Riverside, Inyo, or Mono county and the ability to complete a written screening examination with 80 percent accuracy.

Corequisite: None.

Lecture: Minimum 20 hours per semester.

Lab: Minimum 20 hours per semester.

Clinic: Minimum 20 hours per semester.

Field: Minimum 20 hours per semester.

Applicable: CSU, Associate Degree Applicable.

EMS 110 - Advanced Cardiac Life Support-Provider (.50)

Improves the quality of care provided to the adult victim of cardiac arrest or other cardiopulmonary emergency. Graded on a Pass or No Pass basis only.

Prerequisite: EMS 910. Provide a copy of a current American Heart Association (AHA) and Basic Life Support (BLS) Healthcare Provider card.

Corequisite: None.

Lecture: Minimum 8 hours per semester.

Applicable: Associate Degree Applicable.

EMS 112 - Advanced Cardiac Life Support-Instructor (.75)

To prepare individuals to become instructors of the American Heart Association (AHA) in Advanced Cardiac Life Support (ACLS) course. Graded on a Pass or No Pass basis only.

Prerequisite: EMS 110. Provide a copy of a current American Heart Association (AHA) and Advanced Cardiac Life Support (ACLS) Healthcare Provider card.

Corequisite: None.

Lecture: Minimum 12 hours per semester.

Applicable: Associate Degree Applicable.

EMS 116 - Pediatric CPR, First Aid and Safety for Children (2.00)

Certification for pediatric CPR, pediatric first aid, prevention of the spread of infectious disease, immunizations, child safety, and injury prevention. CPR training is consistent with the 2000 Guidelines from Cardiopulmonary Resuscitation and Emergency Cardiovascular Care at the Healthcare provider level.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 24 hours per semester.

Lab: Minimum 24 hours per semester.

Applicable: CSU, Associate Degree Applicable.

EMS 150 - Patient Assessment for Paramedics (3.00)

Overview of pre-hospital patient assessment and pathophysiology for the paramedic. Provides the foundational knowledge and skills to effectively

assess and treat patients in the pre-hospital setting and make effective clinical care decisions.

Prerequisite: Admission into the EMT-Paramedic Program.

Corequisite: EMS 151, EMS 152, EMS 153, EMS 154, and EMS 155.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

EMS 151 - Introduction to EMS for Paramedics (2.00)

Overview of paramedicine, the ethics of patient care management, and the laws and policies of emergency services, including the relationship between the field providers and other health care professionals, the patient-family response to emergency care, and verbal and nonverbal behaviors and communications related to the delivery of emergency medical services.

Prerequisite: Admission into the EMT-Paramedic Program.

Corequisite: EMS 150, EMS 152, EMS 153, EMS 154, and EMS 155.

Lecture: Minimum 32 hours per semester.

Applicable: CSU, Associate Degree Applicable.

EMS 152 - Cardiology for the Paramedic (4.50)

Cardiac dysrhythmias and electrophysiology for the paramedic. Review of pertinent anatomy and physiology and recognition and treatment of myocardial injury and cardiovascular disorders.

Prerequisite: Admission into the Paramedic Program.

Corequisite: EMS 150, EMS 151, EMS 153, EMS 154, and EMS 155.

Lecture: Minimum 72 hours per semester.

Applicable: CSU, Associate Degree Applicable.

EMS 153 - Pharmacology for the EMT-Paramedic (3.00)

Basic pharmacology for the paramedic, including the administration of medications, drug therapy, drug actions and interactions, and basic physiology. This course meets the National Emergency Medical Services Educational Standards outlined in the National EMS Scope of Practice Model.

Prerequisite: Admission into the EMT-Paramedic Program.

Corequisite: EMS 150, EMS 151, EMS 152, EMS 154, and EMS 155.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

EMS 154 - Emergency Medical Services Theory for the Paramedic (8.00)

Studies in the theory and practice of the diagnosis and treatment of trauma and medical emergencies; emphasis on the pathophysiology of disease processes as the basis for effective initial emergency management.

Prerequisite: Admission into the EMT-Paramedic Program.

Corequisite: EMS 150, EMS 151, EMS 152, EMS 153, and EMS 155.

Lecture: Minimum 128 hours per semester.

Applicable: CSU, Associate Degree Applicable.

EMS 155 - Skills Development for Paramedics (3.00)

Paramedic skills and the equipment used in the treatment of pre-hospital advanced life support. This course will enhance the student's knowledge of and ability to treat various traumatic and medical emergencies in the pre-hospital setting.

Prerequisite: Admission into the EMT-Paramedic Program.

Corequisite: EMS 150, EMS 151, EMS 152, EMS 153, and EMS 154.

Lab: Minimum 144 hours per semester.

Applicable: CSU, Associate Degree Applicable.

EMS 156 - Clinical Externship for the Paramedic (3.50)

Coordination of advanced paramedic training within the hospital setting. Opportunity to direct and engage in emergency intervention in traumatic and medical emergencies. This portion of the program will be in a clinical setting in San Bernardino or Riverside County. Fulfills the requirements of Title 22 of the Health and Safety Code for paramedic clinical externship.

Prerequisite: EMS 150, EMS 151, EMS 152, EMS 153, EMS 154, and EMS 155.

Corequisite: None.

Lab: Minimum 8 hours per semester.

Clinic: Minimum 160 hours per semester.

Applicable: CSU, Associate Degree Applicable.

EMS 157 - Field Externship for the Paramedic (12.00)

Coordination of advanced paramedic training with a field advanced life support Unit. Opportunity to direct and engage in emergency intervention in traumatic and medical emergencies. This portion of the program will be on a paramedic unit in San Bernardino or Riverside County. Fulfills the requirements of Title 22 of the Health and Safety Code for paramedic field externship.

Prerequisite: EMS 156.

Corequisite: None.

Field: Minimum 576 hours per semester.

Applicable: CSU, Associate Degree Applicable.

EMS 160 - Didactic Refresher for the Paramedic (1.50)

Provides students who were unsuccessful in one or more of the following courses: EMS 150, EMS 151, EMS 152, EMS 153, EMS 154 or EMS 155, an opportunity to refresh, strengthen and maintain their academic knowledge base.

Prerequisite: Provide proof of receiving a failing grade in one or more of the following courses: EMS 150, EMS 151, EMS 152, EMS 153, EMS 154, or EMS 155 within the previous 12 months.

Corequisite: None.

Lecture: Minimum 16 hours per semester and/or.

Lab: Minimum 24 hours per semester.

Applicable: Associate Degree Applicable.

EMS 161 - Field Refresher for the Paramedic (1.50)

Provides students who were unsuccessful in EMS 157, Field Externship for the Paramedic, an opportunity to refresh, strengthen and maintain their academic knowledge base and clinical skills prior to retaking EMS 157.

Prerequisite: Provide proof of receiving a failing grade in EMS 157, within the 12 months immediately preceding registration in EMS 161.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Lab: Minimum 12 hours per semester.

Clinic: Minimum 12 hours per semester.

Applicable: Associate Degree Applicable.

EMS 246 - Special Studies in Emergency Medical Services (.25 - 4.00)

Independent study for selected students in any area of emergency medical services, with projects determined jointly by student and instructor.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 4-64 hours per semester and/or.

Lab: Minimum 12-192 hours per semester and/or.

Clinic: Clinic/

Field: Minimum 15-240 hours per semester.

Departmental Recommendation: Employment in Emergency Services or related profession.

Applicable: Associate Degree Applicable.

EMS 290 - Emergency Services Educator (3.75)

Exploration of the theories and practices of education and teaching in the emergency services classroom as required by state regulations. Use of a variety of strategies including case studies, analysis, and critical thinking scenarios to explore educational issues. Presentation and class dialogue will define the challenges facing an educator in today's diverse and dynamic emergency medical services organizations. This class meets the 2002 National Guidelines for Educating EMS Instructors (National Association of EMS Educators, U.S. Department of Transportation, U.S. Department of Health and Human Services).

Prerequisite: None

Departmental Recommendation: Employment in Emergency Services or a related profession.

Corequisite: None.

Lecture: Minimum 60 hours per semester.

Applicable: CSU, Associate Degree Applicable.

ENGL - English

ENGL 976 - Fundamentals of Writing (4.00)

Academic writing skills including critical thinking and associated reading skills expected in transfer and associate degree classes. Instruction focusing on writing effective paragraphs and short compositions, including framing topic sentences and developing and supporting thesis statements. Emphasis on English grammar and critical reading and critical thinking skills as a foundation for effective writing. Replaces ENGL 914.

Prerequisite: None.

Corequisite: READ 980.

Offered: (Fa,Sp).

Lecture: Minimum 64 hours per semester.

Applicable: Not Associate Degree Applicable.

ENGL 010 - Preparation for College English (4.00)

Instruction in the essential skills necessary for college-level reading and effective expository writing. Replaces ENGL 015.

Prerequisite: READ 980 and ENGL 976 or eligibility for ENGL 010 as determined by the Crafton Hills College assessment process.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 64 hours per semester.

Applicable: Associate Degree Applicable.

ENGL 062 - English Grammar, Usage, and Mechanics (3.00)

An in-depth, non-compositional, refresher course for students with intact writing skills which includes a comprehensive review of the basic components and rules of Standard English grammar, syntax, punctuation, usage, and general mechanics. ENGL 062 includes the logical study of the parts of speech, sentence patterns, sentence construction, and sentence errors.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Understand Standard English as demonstrated through reading, writing, and speech and write a paragraph in Standard English.

Applicable: Associate Degree Applicable.

ENGL 101 - Freshman Composition (4.00)

Instruction in writing compositions from personal, reflective, and argumentative perspectives. (C-ID ENGL 100)

Prerequisite: ENGL 010 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Also Offered As: ENGL 101H.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 64 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 101H - Freshman Composition-Honors (4.00)

Instruction in writing compositions from personal, reflective, and argumentative perspectives. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID ENGL 100)

Prerequisite: ENGL 010 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process. Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: ENGL 101.

Offered: (Fa,Sp).

Lecture: Minimum 64 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 102 - Intermediate Composition and Critical Thinking (4.00)

Instruction in writing compositions reflecting critical thinking and employing rhetorical skills beyond those taught in Freshman Composition (ENGL 101), including summary, analysis, evaluation,

rebuttal, and argument. Includes instruction in the analysis of argumentative prose, various rhetorical techniques, the principles of inductive and deductive reasoning, and the informal fallacies. Requires substantial analytical reading and writing. (C-ID ENGL 105)

Prerequisite: ENGL 101 or ENGL 101H.

Corequisite: None.

Also Offered As: ENGL 102H.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 64 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 102H - Intermediate Composition and Critical Thinking-Honors (4.00)

Instruction in writing compositions reflecting critical thinking and employing rhetorical skills beyond those taught in Freshman Composition (ENGL 101), including summary, analysis, evaluation, rebuttal, and argument. Includes instruction in the analysis of argumentative prose, various rhetorical techniques, the principles of inductive and deductive reasoning, and the informal fallacies. Requires substantial analytical reading and writing. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID ENGL 105)

Prerequisite: ENGL 101 or ENGL 101H. Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: ENGL 102.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 64 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 104 - Writing the Research Narrative (4.00)

Instruction in writing comprehensive research papers reflecting critical thinking, analysis, hypothesis development, interpretation, evaluation and discussion. Requires substantial analytical reading and writing (see current class schedule for specific writing style).

Prerequisite: Eligibility for ENGL 101 as determined through CHC assessment process.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 64 hours per semester.

Applicable: CSU, Associate Degree Applicable.

ENGL 108 - World Drama I (3.00)

Survey of the history of theatre from its earliest origins in 6th century B.C.E to the Elizabethan period in the 1500's-1600's. Focus on important plays, playwrights and the development of theatre practices and techniques. This course is also offered as THART 108. (C-ID THTR 113)

Prerequisite: None.

Corequisite: None.

Also Offered As: THART 108.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 109 - World Drama II (3.00)

Survey of the history of the theatre from the 1600's to the present. Focus on important plays, playwrights and techniques of theater presentation. This course is also offered as THART 109.

Prerequisite: None.

Corequisite: None.

Also Offered As: THART 109.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 120 - Fundamentals of News Writing (3.00)

Study of the basic principles of journalism. Development of skills associated with evaluating, gathering and writing news in accepted journalistic style. Introduction to the role of the reporter in news organizations, news reporting techniques and legal and ethical issues related to journalism. This course is also offered as JOUR 120. (C-ID JOUR 110)

Prerequisite: ENGL 010 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Also Offered As: JOUR 120.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 127 - Introductory Literary Magazine Production: The Sand Canyon Review (3.00)

Introductory study and production of the college literary magazine, including the study of the principles of short fiction, poetry, and drama, as well as the process of publishing, including selecting material, planning and executing format, defining and maintaining theme, developing design and layout, editing, and desktop publishing.

Prerequisite: ENGL 101 or ENGL 101H.

Corequisite: None.

Offered: (Sp).

Lab: Minimum 144 hours per semester.

Applicable: CSU, Associate Degree Applicable.

ENGL 128 - Intermediate Literary Magazine Production: The Sand Canyon Review (3.00)

Intermediate study and production of the college literary magazine, including the study of the principles of short fiction, poetry, and drama, as well as the process of publishing, including selecting material, planning and executing format, defining and maintaining theme, developing design and layout, editing, and desktop publishing.

Prerequisite: ENGL 127.

Corequisite: None.

Offered: (Sp).

Lab: Minimum 144 hours per semester.

Applicable: CSU, Associate Degree Applicable.

ENGL 146 - Writing for Business and the Professions (4.00)

Instruction, study, and application in writing business compositions, from personal, reflective, and argumentative perspectives for producing clear, correct, and logically organized written communication. Stress on developing writing fluency and professional tone in handling business communications including proposals, letters, memorandums, research documents and directives as well as developing a personal resume.

Prerequisite: ENGL 010 or BUSAD 145 or COMMST 145 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Lecture: Minimum 64 hours per semester.

Applicable: CSU, Associate Degree Applicable.

ENGL 150 - Classical Mythology (3.00)

Study of ancient Greek and Roman stories of gods, goddesses, heroes, and heroines as translated into English from the original sources.

Prerequisite: ENGL 010 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 152 - Intermediate Composition and Literature (4.00)

Study of fiction, poetry, and drama with emphasis on the fundamental principles of literary criticism and interpretation. Instruction in writing compositions about literature. (C-ID ENGL 120)

Prerequisite: ENGL 101 or ENGL 101H.

Corequisite: None.

Also Offered As: ENGL 152H.

Offered: (Fa,Sp).

Lecture: Minimum 64 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 152H - Intermediate Composition and Literature - Honors (4.00)

Study of fiction, poetry, and drama with emphasis on the fundamental principles of literary criticism and interpretation. Instruction in writing compositions about literature. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID ENGL 120)

Prerequisite: ENGL 101 or ENGL 101H and acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: ENGL 152.

Offered: (Fa,Sp).

Lecture: Minimum 64 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 155 - Children's Literature (3.00)

Study of literature written for children. Books discussed in the course are essentially books for children, but values common to all significant literature are emphasized. (C-ID ENGL 180)

Prerequisite: ENGL 010 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Also Offered As: ENGL 155H.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 155H - Children's Literature-Honors (3.00)

Study of literature written for children. Books discussed in the course are essentially books for children, but values common to all significant literature are emphasized. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID ENGL 180)

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: ENGL 155.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 160 - Literature by Women (3.00)

Survey and analysis of past and contemporary literature by women. Focuses on biographical and historical experiences of women as expressed in essays, poetry, fiction, and drama. Explores the depiction of women in historical and literary contexts as well as in art and film.

Prerequisite: ENGL 010 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 163 - Chicano/Latino Literature (3.00)

Study of the literature, plays, poetry, film, and lyrics representative of Latino/Chicano literature. This course includes written analyses.

Prerequisite: ENGL 101 or ENGL 101H.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 170 - The Film Experience (3.00)

Study of the basic elements of film art, including directing, acting, editing, screen writing, cinematography, set design, lighting, sound effects, and the musical score. Includes instruction in the critical analysis of feature films.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 175 - Literature and Religion of the Bible (3.00)

Study of the English Bible as literature and as religion. Includes the examination of the types of literature found in the Bible, and the historical and religious context in which the literature was developed. Provides an extensive reading of the two testaments. This course is also offered as RELIG 175.

Prerequisite: None.

Corequisite: None.

Also Offered As: RELIG 175.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 226 - Play and Screenplay Analysis (3.00)

Techniques of analysis necessary to understand the structure, construction and formats of plays and screenplays. Includes the study of the elements of plot, character, dialogue and theme in plays in a diverse selection of periods and styles and the structure and form of screenplays in diverse genres. This course is also offered as THART 226. (C-ID THTR 114)

Prerequisite: ENGL 010 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Also Offered As: THART 226.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 227 - Advanced literary magazine production: The Sand Canyon Review (3.00)

Advanced study and production of the college literary magazine, including the study of the principles of short fiction, poetry, and drama, as well as the process of publishing, including selecting material, planning and executing format, defining and maintaining theme, developing design and layout, editing, and desktop publishing.

Prerequisite: ENGL 128.

Corequisite: None.

Offered: (Sp).

Lab: Minimum 144 hours per semester.

Applicable: CSU, Associate Degree Applicable.

ENGL 232 - Creative Writing (3.00)

An introductory course in creative writing focusing on selected literary genres including fiction, poetry, drama, screenwriting, and non-fiction. Emphasizes the craft of writing and the development of critical standards for judging literature. (C-ID ENGL 200)

Prerequisite: ENGL 101 or ENGL 101H.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 233 - Intermediate Creative Writing (3.00)

An intermediate course in creative writing focusing on a specific literary genre such as fiction, poetry, drama, screenwriting, and non-fiction. Emphasizes the craft of writing and the development of critical standards for judging literature.

Prerequisite: ENGL 232.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 250 - Fiction (3.00)

Study of fiction as a literary genre through readings, in-class discussions, and analytical assignments. Emphasis will be on a particular type of fiction (See the current class schedule for the specific sub-genre.)

Prerequisite: ENGL 101 or ENGL 101H.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 260 - Survey of American Literature I (3.00)

An analysis of representative literary works of significant American writers from the late fifteenth century through the Civil War that includes the study of the historical and social context of the literature as well as the lives of important writers. (C-ID ENGL 130)

Prerequisite: ENGL 101 or ENGL 101H.

Corequisite: None.

Offered: (Odd Fa).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 261 - Survey of American Literature II (3.00)

An analysis of representative literary works of significant American writers since the Civil War through the present that includes the study of the historical and social context of the literature, and lives of important writers. (C-ID ENGL 135)

Prerequisite: ENGL 101 or ENGL 101H.

Corequisite: None.

Offered: (Even Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 270 - Survey of British Literature I (3.00)

Analysis of representative literary works of significant British writers from before the Norman Conquest through the eighteenth century that includes the study of the historical and social contexts of the literature as well as the lives of important writers. (C-ID ENGL 160)

Prerequisite: ENGL 101 or ENGL 101H.

Corequisite: None.

Offered: (Even Fa).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 271 - Survey of British Literature II (3.00)

Analysis of representative literary works of significant British writers from the Romantic Period to the present that includes the study of the historical and social contexts of the literature as well as the lives of important writers. (C-ID ENGL 165)

Prerequisite: ENGL 101 or ENGL 101H.

Corequisite: None.

Offered: (Odd Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 275 - Shakespeare (3.00)

Study of the plays and poems of Shakespeare, as well as the cultural context in which the works were created. Analysis of the literature from both historical and contemporary perspectives.

Prerequisite: ENGL 101 or ENGL 101H.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 280 - World Literature to the 17th Century (3.00)

A comparative study of masterworks of world literature in modern English translation from antiquity to the seventeenth century.

Prerequisite: ENGL 010 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENGL 281 - World literature from the 17th Century to the Present (3.00)

A comparative study of selected masterworks of world literature in English translation from the seventeenth century to the present. (C-ID ENGL 145)

Prerequisite: ENGL 010 or eligibility for ENGL 101 as determined through the Crafton Hills assessment process.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ESL/N - English as a Second Language (Noncredit)

ESL/N 607 - Workplace English as a Second Language (0)

This non-credit course is designed for English as a Second Language (ESL) students who need help in developing their basic English skills for the workforce. This course will introduce low-beginning English language learners to basic English letter-sound correspondence, vocabulary, and sentence patterns. Students will start using English to speak about themselves, their families, and the workplace. Students will also learn to

read and complete simple forms, as well as understand and describe basic verbal and written instructions related to the workplace.

Prerequisite: None.

Corequisite: None.

Lecture: 54 hours per semester.

Applicable: Certificate Applicable.

ENGR - Engineering

ENGR 101 - Introduction to Engineering (3.00)

Introduction to field of engineering. Study of the history of engineering, engineering disciplines and related fields of study; educational requirements and career opportunities for engineers; and standards of professional practice including communication, ethics and safety. This course includes laboratory experiences to introduce students to the principles of engineering design and the basic processes by which engineers solve problems.

Prerequisite: MATH 095 or eligibility for MATH 102 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 40 hours per semester.

Lab: Minimum 24 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

ENVS - Environmental Science

ENVS 101 - Introduction to Environmental Science (3.00)

A multidisciplinary introduction to environmental and natural resource issues with an emphasis on the relationship to the physical, chemical, and biological sciences. Examination of human population growth through history, resource use, pollution, and sustainability as they relate to human use of the hydrosphere, atmosphere, lithosphere, and biosphere.

Prerequisite: None.

Corequisite: None.

Also Offered As: ENVS 101H.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 and MATH 095. Concurrent enrollment in ENVS 110.

Applicable: UC, CSU, Associate Degree Applicable.

ENVS 101H - Environmental Science - Honors (3.00)

A multidisciplinary introduction to environmental and natural resource issues with an emphasis on the relationship to the physical, chemical, and biological sciences. Examination of human population growth through history, resource use, pollution, and sustainability as they relate to human use of the hydrosphere, atmosphere, lithosphere, and biosphere. This course includes content and experiences appropriate for students wishing to earn honors credit.

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: ENVS 101.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Concurrent enrollment in ENVS 110.

Applicable: UC, CSU, Associate Degree Applicable.

ENVS 110 - Introduction to Environmental Science Laboratory (1.00)

Study of earth's natural processes in laboratory and field settings. Applications of environmental, ecological, and sustainability principles as they relate to human societies will be explored.

Prerequisite: None.

Corequisite: ENVS 101 or ENVS 101H.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

FIRET - Fire Technology

FIRET 902 - Firefighter Physical Agility Preparation (3.00)

Preparation of pre-entry level fire technology students to develop a program of fitness, wellness and to successfully pass a Firefighter physical agility examination. Particular instruction in nutrition, fitness, physical development and the necessary agility skills needed to continue a healthy and safe career in the fire service.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 24 hours per semester.

Lab: Minimum 72 hours per semester.

Applicable: Not Associate Degree Applicable .

FIRET 030 - Training instructor 1A (2.50)

Methods and techniques for training in accordance with the latest concepts in career education; selecting, adapting, organizing, and using instructional materials appropriate for teaching cognitive lessons; criteria and methods to evaluate teaching and learning; and an opportunity to apply major principles of learning through teaching demonstrations. Student instructor teaching demonstrations are required.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 40 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 031 - Training Instructor 1B (2.50)

Methods and techniques for training in accordance with the latest concepts in career education; selecting, adapting, organizing, and using instructional materials appropriate for teaching psychomotor lessons; criteria and methods to evaluate teaching and learning efficiency; and an opportunity to apply major principles of learning through teaching demonstration. Student instructor teaching demonstrations required.

Prerequisite: FIRET 030.

Corequisite: None.

Lecture: Minimum 40 hours per semester.

Departmental Recommendation: ENGL 010 with a minimum grade of C or better.

Applicable: Associate Degree Applicable.

FIRET 040A - Fire Inspector 1A - Duties & Administration (2.00)

This course provides students with a basic knowledge of the roles and responsibilities of a Fire Inspector I including legal responsibilities and authority, codes and standards, the inspection process, confidentiality and privacy requirements, and ethical conduct, and administrative tasks including preparing inspection reports, recognizing the need for a permit or plan review, investigating common complaints, and participating in legal proceedings

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 040B - Fire Inspector 1B: Fire and Life Safety (2.00)

This course provides students with a basic knowledge of fire and life safety aspects related to the roles and responsibilities of a Fire Inspector I including building construction, occupancy classifications, occupancy load, means of egress, hazardous conditions, fire growth potential, fire flow, and emergency planning and preparedness measures.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Departmental Recommendation: Successful completion of FIRET 040A.

Applicable: Associate Degree Applicable.

FIRET 040C - Fire Inspector 1C: Field Inspection (1.50)

This course provides students with a basic knowledge of field inspection roles and responsibilities of a Fire Inspector I including basic plan review, emergency access for an existing system, hazardous materials, and the operational readiness of fixed fire suppression systems, existing fire detection and alarm systems, and portable fire extinguishers.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 24 hours per semester.

Departmental Recommendation: Successful completion of FIRET 040A.

Applicable: Associate Degree Applicable.

FIRET 040D - Fire Inspector 1D: Field Inspection - California Specific (1.00)

This course provides students with a basic knowledge of a Firefighter I's field inspection roles and responsibilities specific to California including tents, canopies, and temporary membrane structures; fireworks and explosives; and wildland urban interface environments.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Departmental Recommendation: Successful completion of FIRET 040A.

Applicable: Associate Degree Applicable.

FIRET 041A - Fire Inspector 2A - Fire Prevention Administration (1.00)

This course is designed for the certified Fire Inspector I advancing to the Fire Inspector II classification. This course provides students with a basic knowledge of the administrative requirements related to the roles and responsibilities of a Fire Inspector II.

Prerequisite: FIRET 040A, FIRET 040B, FIRET 040C, FIRET 040D, FIRET 082, and FIRET 083.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 041B - Fire Inspector 2B - Fire and Life Safety Requirements (1.50)

This course is designed for the certified Fire Inspector I advancing to the Fire Inspector II classification. This course provides students with a basic knowledge of fire and life safety requirements related to the roles and responsibilities of a Fire Inspector II.

Prerequisite: FIRET 041A.

Corequisite: None.

Lecture: Minimum 24 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 041C - Fire Inspector 2C - Inspecting New and Existing Fire & Life Safety Systems and Equipment (1.00)

This course is designed for the certified Fire Inspector I advancing to the Fire Inspector II classification. This course provides students with a basic knowledge of inspection requirements of life safety systems and building services related to the roles and responsibilities of a Fire Inspector II.

Prerequisite: FIRET 041A.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 041D - Fire Inspector 2D - Hazardous Materials, Operations, and Processes (2.00)

This course is designed for the certified Fire Inspector I advancing to the Fire Inspector II classification. This course provides students with a basic knowledge of hazardous materials, operations, and processes related to the roles and responsibilities of a Fire Inspector II.

Prerequisite: FIRET 041A.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 049 - Basic Firefighter Physical Fitness (2.00)

Physical fitness exercise, teamwork, disciplined precision cadence drilling and preparation for the fire agility physical fitness testing requirement for fire academy cadets. Graded on a Pass or No Pass basis only.

Prerequisite: None.

Corequisite: FIRET 115.

Also Offered As: KIN/F 049.

Offered: (Fa,Sp).

Lecture: Minimum 8 hours per semester.

Lab: Minimum 72 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 078 - Fire Inspection Academy (11.00)

Preparation of an entry-level fire inspector for conducting fire inspections in new and existing buildings, in the use of effective written and oral communications, and in effective public relations methods.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 176 hours per semester.

Departmental Recommendation: FIRET 100 and FIRET 101.

Applicable: Associate Degree Applicable.

FIRET 084 - Fire Management 1 (2.50)

Study of fire ground and fire department management, issues in management, external influences, decision making, stress, characteristics and source of goals, management by objectives, task analysis, motivation inventories, demotivators, productivity, management control, setting policy, organizational structures, delegation, principles of leadership, counseling, Equal Employment Opportunity guidelines, communication, handling disputes and grievances.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 40 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 085A - Company Officer 2A - Human Resource Management (2.50)

Designed to provide information for Company Officers on the use of human resources to accomplish assignments, evaluate member's performance, supervise personnel, and integrate health and safety plans, policies, and procedures into daily activities as well as the emergency scene.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 40 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 085B - Company Officer 2B - General Administrative Functions (1.50)

Designed to provide information on general administrative functions and the implementation of department policies and procedures and addresses conveying the fire department's role, image, and mission to the public. This course is for in-service firefighters seeking career advancement to the Company Officer level.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 24 hours per semester.

Departmental Recommendation: Successful completion of FIRET 085A.

Applicable: Associate Degree Applicable.

FIRET 085C - Company Officer 2C - Fire Inspections and Investigations (2.50)

Designed to provide information on conducting inspections, identifying hazards and addressing violations, performing a fire investigation to determine preliminary cause and securing the incident scene and preserving evidence.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 40 hours per semester.

Departmental Recommendation: Successful completion of FIRET 085A.

Applicable: Associate Degree Applicable.

FIRET 085D - Company Officer 2D - All Risk Operations (1.50)

Designed to provide information on conducting incident size-up, developing and implementing an initial plan of action involving single and multi-unit operations for various types of emergency incidents to mitigate the situation following agency safety procedures, conducting pre-incident planning, and develop and conduct a post-incident analysis.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 24 hours per semester.

Departmental Recommendation: Successful completion of FIRET 511 and PBSF 118.

Applicable: Associate Degree Applicable.

FIRET 085E - Company Officer 2E - Wildland Incident Operations (2.00)

Provides information on how to command a wildland incident as a Company Officer. Designed to provide information on evaluating and reporting incident conditions, analyzing incident needs, developing and implementing a plan of action to deploy incident resources to suppress a wildland fire, establish an incident command post and completing incident records and reports.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 28 hours per semester.

Lab: Minimum 12 hours per semester.

Departmental Recommendation: Successful completion of FIRET 085D and FIRET 509.

Applicable: Associate Degree Applicable.

FIRET 086A - Chief Officer 3A: Human Resource Management (2.00)

Designed to provide students with the knowledge of human resource requirements related to the roles and responsibilities of a Chief Fire Officer, including developing plans for employee accommodation, developing hiring procedures, establishing personnel assignments, and developing a measurable accident and injury program.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 086B - Chief Officer 3B: Budget and Fiscal Responsibilities (1.50)

Designed to provide information on the roles and responsibilities of budgeting for Chief Fire Officer including developing a budget management system, developing a division or departmental budget and describing the process for ensuring competitive bidding.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 24 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 086C - Chief Fire Officer 3C: General Administrative Functions (1.50)

This course provides students with a basic knowledge of the administration requirements related to the roles and responsibilities of a Chief Fire Officer including directing a department records management system, analyzing and interpreting records and data, developing a model plan for continuous organizational improvement, developing a plan to facilitate approval, preparing community awareness programs and evaluating the inspection program of the Fire Department.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 24 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 086D - Chief Officer 3D: Emergency Services Delivery Responsibilities (1.50)

This course provides students with a basic knowledge of the emergency service requirements related to the roles and responsibilities of a Chief Fire Officer including developing a plan for the integration of fire service resources, developing an agency resource contingency plan, evaluating incident facilities, supervising multiple resources, developing and utilizing an incident action plan, obtaining incident information to facilitate transfer of command, developing and conducting post incident analysis, and maintaining incident reports.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 24 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 087 - Fire Investigation 1A (2.50)

Study of the principles of fire behavior; building construction; point of fire origin determination; motives of the fire setter; accidental ignition sources; incendiary fire indicators; structure of fire investigation; vehicle fire investigation; fire fatalities; investigation tools and documentation techniques; report writing; evidence recognition, documentation, and preservation; legal aspects of fire investigation; explosives and incendiary devices; juvenile fire setters; wildland fire investigation.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 40 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 088 - Fire Investigation 1B (2.50)

Study of the principles of evidence collection and preservation, report writing, the juvenile fire setter, Penal Code, and other statutory provisions. Further develops principles learned in Fire Investigation 1A.

Prerequisite: FIRET 087 and FIRET 100.

Corequisite: None.

Lecture: Minimum 40 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 and MATH 090 as determined through the Crafton Hills College assessment process. Pass a standardized test of reading comprehension at or above the 12th grade level.

Applicable: Associate Degree Applicable.

FIRET 100 - Fire Protection Organization (3.00)

Provides an introduction to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; and introduction to fire strategy and tactics. This course is one of three courses required before entrance into the Fire Academy.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 and MATH 090 as determined through the Crafton Hills College assessment process.

Applicable: CSU, Associate Degree Applicable.

FIRET 101 - Fire Prevention Technology (3.00)

Provides fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationships of fire prevention with built-in fire protection systems, fire investigation, and fire and life-safety education.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 and MATH 090 as determined through the Crafton Hills College assessment process. Concurrent enrollment in FIRET 100.

Applicable: CSU, Associate Degree Applicable.

FIRET 102 - Fire Behavior and Combustion (3.00)

Theory and fundamentals of how and why fires start, spread, and are controlled. An in-depth study of fire chemistry and physics, fire characteristics of materials, extinguishing agents, and fire control techniques.

Prerequisite: FIRET 100.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 and MATH 095 as determined through the Crafton Hills College assessment process. Pass a standardized test of reading comprehension at or above the 12th grade level.

Applicable: CSU, Associate Degree Applicable.

FIRET 103 - Fire Protection Systems (3.00)

Information relating to the features 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 and portable fire extinguishers.

Prerequisite: FIRET 100 and FIRET 101 with a minimum grade of C or better.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 and MATH 090 as determined through the Crafton Hills College assessment process.

Applicable: CSU, Associate Degree Applicable.

FIRET 104 - Fire Apparatus and Equipment (3.00)

Study of fire apparatus design including mobile and fixed apparatus; a review of construction specifications and performance capabilities; the effective deployment, utilization and performance of equipment under emergency conditions.

Prerequisite: FIRET 100.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 and MATH 095 as determined through the Crafton Hills College assessment process.

Applicable: CSU, Associate Degree Applicable.

FIRET 106 - Fire Protection Hydraulics and Water Supply (3.00)

This course provides a foundation of theoretical knowledge in order to understand the principles of the use of water in fire protection and to apply hydraulic principles to analyze and to solve water supply problems.

Prerequisite: FIRET 100.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

FIRET 111 - Public Education Officer (2.50)

Basic components of public fire education and fire prevention, and human behavior in fire as required by the California State Fire Marshal's Office. Partially completes the requirements for Public Education Officer I State certification.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 40 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 112 - Fire Control Fire Aircraft Rescue and Firefighting (2.50)

Basic aircraft rescue including airport geography, airport firefighting communications, firefighting methods, aircraft types, firefighting apparatus and equipment and aircraft firefighting procedure.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 40 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 113 - Fire Service Career Preparation (3.00)

Preparation of students to successfully compete for a position in the Fire Fighting Profession. Includes academic skills testing, taking written, oral and physical agility tests and how to market skills.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: FIRET 100.

Applicable: Associate Degree Applicable.

FIRET 114 - Principles of Fire and Emergency Services Safety and Survival (3.00)

This course provides the basic principles and history of firefighter life safety initiatives by focusing on the need for cultural and behavior change throughout the emergency services.

Prerequisite: FIRET 100 and FIRET 101.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 and MATH 090 as determined through the Crafton Hills College assessment process.

Applicable: CSU, Associate Degree Applicable.

FIRET 115 - Firefighter I Basic Training Academy (14.00)

The Crafton Hills College Fire Academy includes introduction to basic fire-fighting theory and skills, study of the characteristics and behavior of structure and wildland fires, hazardous materials response techniques, incident command principles, wildland firefighting theory and skills, wildland equipment use, and rescue techniques.

Prerequisite: Admission to the Fire Academy, FIRET 100, FIRET 101, and successful completion of the NREMT (National Registry Examination for the Emergency Medical Technician) or currently certified as an EMT in California.

Corequisite: KIN/F 049.

Offered: (Fa,Sp).

Lecture: Minimum 112 hours per semester.

Lab: Minimum 336 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 and MATH 095 as determined through the Crafton Hills College assessment process. Successful completion of FIRET 902.

Applicable: CSU, Associate Degree Applicable.

FIRET 116 - Building Construction for Fire Protection (3.00)

Provides the components of building construction related to firefighter and life safety. The elements of construction and design of structures

are shown to be key factors when inspecting buildings. Preplanning fire operations, and operating at emergencies.

Prerequisite: FIRET 100 and FIRET 101.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 and MATH 090 as determined through the Crafton Hills College assessment process.

Applicable: CSU, Associate Degree Applicable.

FIRET 118 - Wildland Fire Control (3.00)

Study of the factors affecting wildland fire prevention, behavior, and control techniques.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 and MATH 095 as determined through the Crafton Hills College assessment process.

Applicable: CSU, Associate Degree Applicable.

FIRET 170 - Basic Wildland Fire Academy (3.00)

Introduction to basic wildland firefighting theory and skills, study of the characteristics and behavior of wildland fires, equipment use, basic wildland tactics, and incident command principles.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 183 - Aircraft Accidents (2.50)

Study of the methods and tactics used in response to potential or active aircraft fire. Utilizing past aircraft accidents, case studies and post accident reports to evaluate and learn from tactics and strategies used during fire and rescue operations.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 40 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 204 - Developing a Personal Philosophy of Leadership and Ethics (3.00)

This course will introduce the International Public Safety Leadership and Ethic Institute (IPSLEI) and its program in leadership and ethics. The course provides the student with a deeper understanding of self as it relates to leadership philosophies, knowledge, skills, and abilities for the exercise of effective and ethical leadership. Each student will study and explore the core values, ethics, decision making and begin to develop a personal philosophy of leadership. Through course presentations, dialogue, and learning activities, the student will identify leadership roles in the community as they relate to self, family, professional and social contexts. In addition the student will be able to define the difference between the exercise of leadership and management. The student will

complete self assessments to gain insight into personal leadership style and characteristics and opportunity for growth. Readings, video and written case studies provide opportunity to further explore the exercise of leadership. The student will define and discuss personal responsibilities for the exercise of leadership in the context of critical incident management.

Prerequisite: None.

Corequisite: None.

Also Offered As: PBSF 204.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

FIRET 205 - Ethical Leadership in Organizations (3.00)

This course is the second in the continuing series of the International Public Safety Leadership and Ethics (IPSLEI) Institute program. The participants will explore the leadership process and the leader-follower relationship within organizational settings. Additionally, the influence of organizational culture, values, and contemporary societal issues on leadership effectiveness will be explored, as well as the concepts of organizational health, defenses and change. Students will also explore how a person exercising leadership moves the organization from vision to action. Case studies, video analyses, selected readings, and group activities will be used to help the participants further understand the theories and principles of organizational leadership.

Prerequisite: None.

Corequisite: None.

Also Offered As: PBSF 205.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

FIRET 206 - Leading Others Ethically (3.00)

This course is the third in the International Public Safety Leadership and Ethics Program (IPSLEI). This course is designed to provide the student with the knowledge, skills, and abilities to effectively and ethically lead others. The student will explore various aspects of exercising ethical leadership as they relate to team building, delegating, facilitating conflict resolution, coaching and mentoring. The student will also gain an understanding of communication processes, empowerment, and leading in an ever-changing and diverse environment. The student will explore various theories of leadership, including situational leadership, transformational leadership, net-centric, and servant leadership. Readings, case studies, video analysis, and other interactive learning processes provide opportunities to explore the dynamic relationships that develop during the exercise of leadership. The student will define and practice applying skills for the exercise of leadership in the context of critical incident management.

Prerequisite: None.

Corequisite: None.

Also Offered As: PBSF 206.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

FIRET 207 - Ethics and the Challenge of Leadership (3.00)

This is the fourth and final course in the Program of the International Public Safety Leadership and Ethics Institute (IPSLEI). In this course the student will correlate personal core values and characteristics to complex ethical decisions and behaviors. In addition, the student will explore

ethical and principle-centered leadership, including ethical systems, ethical dilemmas, and ethical decision-making models. The student will also examine challenges and develop strategies for exercising leadership in agency's serving diverse and dynamic communities. The student will learn with a variety of learning methodologies including case studies, video analyses, and critical thinking scenarios to explore ethics and the challenges of leadership.

Prerequisite: None.

Corequisite: None.

Also Offered As: PBSF 207.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

FIRET 239B - Professional Wildland Firefighting Training (2.50)

This course is intended to prepare firefighters with the cognitive information necessary to develop their knowledge of the fundamentals of wildland firefighting.

Prerequisite: None.

Corequisite: None.

Offered: (Fa, Sp).

Lecture: Minimum 40 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 250D - Task Force/Strike Team Leader (2.50)

Designed to meet the training requirements outlined in the Wildland Fire Qualification System Guide and the Position Task Books (PTB) developed for the positions of Task Force Leader and Strike Team Leader and specific to wildland fire suppression.

Prerequisite: None.

Corequisite: None.

Offered: (Fa, Sp).

Lecture: Minimum 40 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 500 - Swiftwater Rescue (2.50)

Characteristics and variables of swiftwater; related terminology and equipment, hazards of and techniques for performing a swiftwater rescue. Graded on a Pass or No Pass basis only.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 40 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 502 - First Responder Operations: Decontamination (0.50)

Firefighter preparation to perform "Full/Primary" Decontamination in "Level B" personal protective equipment. Graded on a Pass or No Pass basis only.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 4 hours per semester.

Lab: Minimum 12 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 505 - Introduction to Wildland Fire Behavior Calculations (S-390) (1.00 - 3.00)

Concepts required in calculating wildland fire behavior for safe and effective fire management operations. Includes local and regional fire behavior issues critical to wildland firefighting, comparison of the effects of daytime solar radiation and nighttime heat losses from various sources, descriptions of the effects of terrain, vegetation, clouds, and wind on relative humidity, three types of inversions, and their effects on wildland fire behavior. Graded on a Pass or No Pass basis only.

Prerequisite: As required by the National Wildfire Fire Behavior Coordinating Group.

Corequisite: None.

Lecture: Minimum 16-48 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 506 - Introduction to incident command system (I-100) (0.50)

Principles of the Incident Command System (ICS) and basic ICS structure and terminology. Graded on a Pass or No Pass basis only.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 8 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 507 - Crew Boss (S-230) (1.00 - 3.00)

Identifies the hazards and risks on wildland fires and teaches the tactics appropriate for the crew boss during various wildland fire situations, crew boss responsibilities. Graded on a Pass or No Pass basis only.

Prerequisite: As required by the National Wildfire Coordinating Group.

Corequisite: None.

Lecture: Minimum 16-48 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 509 - Intermediate Fire Behavior (S-290) (1.00 - 3.00)

Study of wildland fire behavior and effective and safe fire management operations. Graded on a Pass or No Pass basis only.

Prerequisite: As required by the National Wildfire Coordinating Group.

Corequisite: None.

Lecture: Minimum 16-48 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 510 - Safety Officer (S-404) (1.00 - 3.00)

Instruction and training in the requirements necessary to perform the duties of a safety officer. Graded on a Pass or No Pass basis only.

Prerequisite: As required by the National Wildfire Coordinating Group.

Corequisite: None.

Lecture: Minimum 16-48 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 511 - Basic Incident Command System (200) (0.50 - 2.00)

Basic introduction to the Incident Command System. Provides the foundation for taking an active part as a member of a fire incident. Graded on a Pass or No Pass basis only.

Prerequisite: As required by the National Wildfire Coordinating Group.

Corequisite: None.

Lecture: Minimum 8-32 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 512 - Intermediate Incident Command System (I-300) (1.00 - 3.00)

Instruction for providers who will be assigned to the Incident Command System supervisory positions. Includes management of resources, description of duties of all positions, and the essential principles necessary for incident and event planning. Graded on a Pass or No Pass basis only.

Prerequisite: As required by the National Wildfire Coordinating Group.

Corequisite: None.

Lecture: Minimum 16-48 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 513 - Advanced Incident Command System (I-400) (1.50)

Instruction in the principle responsibilities, guidelines, and the purpose of the command and general staff in the Incident Command System. Graded on a Pass or No Pass basis only.

Prerequisite: FIRET 506, FIRET 511, and FIRET 512.

Corequisite: None.

Lecture: Minimum 24 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 514 - Engine Boss (S-231) (0.50 - 2.00)

Prepares advanced firefighters/squad bosses to function as an engine boss in the control of wildland fires. Graded on a Pass or No Pass basis only.

Prerequisite: As required by the National Wildfire Coordinating Group.

Corequisite: None.

Lecture: Minimum 8-32 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 515 - Display Processor (S-245) (0.50 - 2.00)

Prepares participants to assume the function of Display Processor on a wildland fire incident. Includes determination of logistical needs, work material and work area, identification of sources of information, data collection, creation of maps, overlays and displays. Graded on a Pass or No Pass basis only.

Prerequisite: As required by the National Wildfire Coordinating Group.

Corequisite: None.

Lecture: Minimum 8-32 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 516 - Fire Business Management Principles (S-260) (1.50 - 3.00)

Introduction to the fiscal issues of wildland firefighting. Includes employee responsibilities and conduct, recruitment of personnel and equipment, provision of fiscally sound equipment and personnel time recording. Graded on a Pass or No Pass basis only.

Prerequisite: As required by the National Wildfire Coordinating Group.

Corequisite: None.

Lecture: Minimum 24-48 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 517 - Fire Operations in the Urban Interface (S-205) (2.00 - 3.00)

Prepares initial attack incident commanders and company officers to effectively deal with wildland fires that threaten life, property, and improvements. Graded on a Pass or No Pass basis only.

Prerequisite: As required by the National Wildfire Coordinating Group.

Corequisite: None.

Lecture: Minimum 32-48 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 518 - Advanced Firefighter Training (S-131) (0.50 - 2.00)

Provides advanced wildland firefighting training and education for firefighters to become qualified in the first level supervision position of Advanced Firefighter/Squad Boss. Graded on a Pass or No Pass basis only.

Prerequisite: As required by the National Wildfire Coordinating Group.

Corequisite: None.

Lecture: Minimum 8-32 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 519 - Check-In Recorder/Status Recorder (S-248) (0.50 - 2.00)

Instruction in Resource Unit organization, resource coding, check-in, resource status, operational planning worksheet, and keeping current status. Graded on a Pass or No Pass basis only.

Prerequisite: As required by the National Wildfire Coordinating Group.

Corequisite: None.

Lecture: Minimum 8-32 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 520 - Firefighter Training (S-130) (2.00 - 3.00)

Training for new firefighters in basic firefighting skills, and the knowledge necessary to effectively handle wildland fire situations. Graded on a Pass or No Pass basis only.

Prerequisite: As required by the National Wildfire Coordinating Group.

Corequisite: None.

Lecture: Minimum 32-48 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 521 - Base/Camp Manager (S-254) (2.00 - 3.00)

Instruction in the skills necessary to perform the functions as a Base/Camp Manager on a wildland fire incident. Graded on a Pass or No Pass basis only.

Prerequisite: As required by the National Wildfire Coordinating Group.

Corequisite: None.

Lecture: Minimum 32-48 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 522 - Firing Methods and Procedures (S-234) (1.50 - 3.00)

Application of safety considerations involved in a firing operation, maintenance and use of firing devices, the use of backfire, and the application of fire suppressions firing methods and practices. Graded on a Pass or No Pass basis only.

Prerequisite: As required by the National Wildfire Coordinating Group.

Corequisite: None.

Lecture: Minimum 24-48 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 523 - Demobilization Unit Leader (S-347) (1.00 - 3.00)

Introduction to objectives, priorities, and constraints on demobilization from the planning chief, agency representative, and contractors. Obtaining identification and description of surplus resources and probable release times, developing release procedure and coordination and supervision of the immobilization process. Graded on a Pass or No Pass basis only.

Prerequisite: As required by the National Wildfire Coordinating Group.

Corequisite: None.

Lecture: Minimum 16-48 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 524 - Supply Unit Leader (S-356) (1.50 - 3.00)

Introduction to activities of the Supply Unit, setup and staff. Supply Unit organization and staffing and demobilization. Graded on a Pass or No Pass basis only.

Prerequisite: As required by the National Wildfire Coordinating Group.

Corequisite: None.

Lecture: Minimum 24-48 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 525 - Food Unit Leader (S-357) (1.50 - 3.00)

Introduction to the methodology for determining the method of feeding, obtaining the equipment and supplies to operate food service facilities at base and camps. Appropriate health and safety measures. Graded on a Pass or No Pass basis only.

Prerequisite: As required by the National Wildfire Coordinating Group.

Corequisite: None.

Lecture: Minimum 24-48 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 526 - Resources Unit Leader (S-348) (1.50 - 3.00)

Instruction in gathering, posting, and maintaining incident resource status. Gathering, posting and maintaining transportation of support vehicles and personnel and the maintenance of a master list of all resources checked in at an incident. Graded on a Pass or No Pass basis only.

Prerequisite: As required by the National Wildfire Coordinating Group.

Corequisite: None.

Lecture: Minimum of 24-48 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 527 - Medical First Responder Update/Recertification (0.50)

Meets the California Code of Regulations Title 22 requirements for the re-certification of medical first responders. Graded on a Pass or No Pass basis only.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum of 8 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 528 - Medical Unit Leader (S-359) (1.50 - 3.00)

Instruction in the determination of the level of emergency medical activities, activating the medical unit, preparation of the medical emergency plan and response to the requests for medical aid Graded on a Pass or No Pass basis only.

Prerequisite: As required by the National Wildfire Coordinating Group.

Corequisite: None.

Lecture: Minimum 24-48 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 530 - Resource Ordering and Status System (Ross Dispatcher) (1.50)

Instruction in the use of the Dispatch portion of the ROSS computer application. Mandatory for all Federal Wildland Agencies. Offered for Pass or No Pass only.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 20 hours per semester.

Lab: Minimum 12 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 531 - Annual Fire Safety Refresher Training (0.25 - 2.50)

Mandated annual refresher training for all USFS personnel assigned to fires that are routinely within the fire perimeter. Includes Incident support personnel, Line going personnel and Fire suppression modules. Graded on a Pass or No Pass basis only.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 4-43 hours per semester.

Applicable: Associate Degree Applicable.

FIRET 532 - Low Angle Rope Rescue Operational (0.50)

Provides low angle rope rescue operations for responders. Includes over-the-side operations for vehicle accidents, hiking mishaps, swift water rescue, or search and rescue activities in an urban or remote environment. Prerequisite for Rescue Systems 1. Graded on a Pass or No Pass basis only.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24 hours per semester.

Applicable: Associate Degree Applicable.

GEOG - Geography

GEOG 102 - Cultural Geography (3.00)

An introduction to the interrelationship between people and the environment. Emphasis on global settlement patterns, economic activities, population trends, agriculture, urban patterns, major languages and religions. (C-ID GEOG 120)

Prerequisite: None.

Corequisite: None.

Also Offered As: GEOG 102H.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

GEOG 102H - Cultural Geography-Honors (3.00)

An introduction to the interrelationship between people and the environment. Emphasis on global settlement patterns, economic activities, population trends, agriculture, urban patterns, major languages and religions. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID GEOG 120)

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: GEOG 102.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

GEOG 110 - Physical Geography (3.00)

A spatial study of earth's dynamic physical systems and processes. Topics include earth-sun relationships, the atmosphere, weather and climate, water and the hydrosphere, geomorphology and landforms, soils and their distribution, biogeography and tectonics and the associated landforms. Emphasis is on interrelationships among systems and processes and their resulting patterns and distributions. (C-ID GEOG 110, GEOG 110 + GEOG 111 = C-ID GEOG 115)

Prerequisite: None.

Corequisite: None.

Also Offered As: GEOG 110H.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester and field trips.

Departmental Recommendation: Concurrent enrollment in GEOG 111 or GEOG 111H.

Applicable: UC, CSU, Associate Degree Applicable.

GEOG 110H - Physical Geography-Honors (3.00)

A spatial study of earth's dynamic physical systems and processes. Topics include earth-sun relationships, the atmosphere, weather and climate, water and the hydrosphere, geomorphology and landforms, soils and their distribution, biogeography and tectonics and the associated landforms. Emphasis is on interrelationships among systems and processes and their resulting patterns and distributions. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID GEOG 110, GEOG 110 + GEOG 111 = C-ID GEOG 115)

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: GEOG 110.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester and field trips.

Departmental Recommendation: Concurrent enrollment in GEOG 111 or GEOG 111H.

Applicable: UC, CSU, Associate Degree Applicable.

GEOG 111 - Physical Geography Laboratory (1.00)

Laboratory exercises designed to utilize the tools of geographic inquiry, including aerial photographs, topographic and geologic maps, Geographic Information Systems (GIS), Global Positional Systems (GPS), climographs and field studies. The laboratory studies are closely coordinated with the lecture topics. (C-ID GEOG 111, GEOG 110+GEOG 111= C-ID GEOG 115)

Prerequisite: None.

Corequisite: GEOG 110 or GEOG 110H.

Also Offered As: GEOG 111H.

Offered: (Fa,Sp).

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

GEOG 111H - Physical Geography Laboratory-Honors (1.00)

Laboratory exercises designed to utilize the tools of geographic inquiry, including aerial photographs, topographic and geologic maps, Geographic Information Systems (GIS) and Global Positioning Systems (GPS), climographs and field studies. The laboratory studies are closely coordinated with the lecture topics. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID GEOG 111, GEOG 110+GEOG 111=C-ID GEOG 115)

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: GEOG 110 or GEOG 110H.

Also Offered As: GEOG 111.

Offered: (Fa,Sp).

Lab: Minimum 48 hours per semester.

Departmental Recommendation: None.

Applicable: UC, CSU, Associate Degree Applicable.

GEOG 114 - Investigations in Weather and Climate (4.00)

Study of the earth's atmospheric phenomena, emphasizing the causes and regional distribution of weather and climate. Laboratory studies are closely related to lecture topics. (C-ID GEOG 130)

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of GEOG 110 or GEOG 110H.

Applicable: UC, CSU, Associate Degree Applicable.

GEOG 115 - Elements of Weather and Climate (3.00)

Study of the Earth's atmospheric phenomena, emphasizing the causes and regional distribution of weather and climate. (C-ID GEOG 130)

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of GEOG 110 or GEOG 110H.

Applicable: UC, CSU, Associate Degree Applicable.

GEOG 120 - World Regional Geography (3.00)

An introduction to world geography emphasizing the nature of major world culture regions, their social structure, religions, governments and economics. (C-ID GEOG 125)

Prerequisite: None.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

GEOG 126 - Geography of California (3.00)

Historical study of each of California's physiographic provinces with respect to the people, geomorphic features and tectonics, biogeography, climate, energy, natural resources and human history. Field trips are required. (C-ID GEOG 140)

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester and field trips.

Applicable: UC, CSU, Associate Degree Applicable.

GEOG 175 - Introduction to Information Mapping (3.00)

Introduction to information mapping and Geographic Information Systems (GIS) using ArcGIS Desktop. Concepts and techniques of information mapping and data visualization.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

GEOG 246A - Selected Studies in Geography (1.00)

Independent projects for students interested in the enrichment of their knowledge of geography. Assigned topics will involve research and/or field work. Previously offered as GEOG 119X4.

Prerequisite: GEOG 102, GEOG 102H, GEOG 110 OR GEOG 110H.

Corequisite: None.

Independent Study: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

GEOG 246B - Selected Studies in Geography (1.00)

Independent projects for students interested in the enrichment of their knowledge of geography. Assigned topics will involve research and/or field work. Previously offered as GEOG 119X4.

Prerequisite: GEOG 102, GEOG 102H, GEOG 110 OR GEOG 110H.

Corequisite: None.

Independent Study: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

GEOG 246C - Selected Studies in Geography (1.00)

Independent projects for students interested in the enrichment of their knowledge of geography. Assigned topics will involve research and/or field work. Previously offered as GEOG 119X4.

Prerequisite: GEOG 102, GEOG 102H, GEOG 110 OR GEOG 110H.

Corequisite: None.

Independent Study: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

GEOG 246D - Selected Studies in Geography (1.00)

Independent projects for students interested in the enrichment of their knowledge of geography. Assigned topics will involve research and/or field work. Previously offered as GEOG 119X4.

Prerequisite: GEOG 102, GEOG 102H, GEOG 110 OR GEOG 110H.

Corequisite: None.

Independent Study: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

GEOL - Geology**GEOL 100 - Physical Geology (4.00)**

An introduction to the study of the earth with emphasis on the materials that make up the crust, the geomorphological environments and features, and the tectonic processes and resultant effects and landforms. Laboratory studies are closely coordinated with the lecture topics. (C-ID GEOL 101)

Prerequisite: None.

Corequisite: None.

Also Offered As: GEOL 100H.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

GEOL 100H - Physical Geology-Honors (4.00)

An introduction to the study of the earth with emphasis on the materials that make up the crust, the geomorphological environments and features, and the tectonic processes and resultant effects and landforms. Laboratory studies are closely coordinated with the lecture topics. This course includes content and experience appropriate for students wishing to earn honors credit. (C-ID GEOL 101)

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: GEOL 100.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

GEOL 101 - Introduction to Geology (3.00)

An introduction to the study of the earth with emphasis on the materials that make up the earth, discussion of plate tectonics; the process that created the continents and the ocean basins, and the external processes that form the landscapes. Tools of geologic inquiry include physical properties of minerals and rocks, aerial photographs, geologic maps, Brunton compass, Geographic Information Systems (GIS), Global Positional Systems (GPS), and field trips. (C-ID GEOL 100)

Prerequisite: None.

Corequisite: None.

Also Offered As: GEOL 101H.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

GEOL 101H - Introduction to Geology-Honors (3.00)

An introduction to the study of the earth with emphasis on the materials that make up the earth, discussion of plate tectonics; the process that created the continents and the ocean basins, and the external processes that form the landscapes. Tools of geologic inquiry include physical properties of minerals and rocks, aerial photographs, geologic maps, Brunton compass, Geographic Information Systems (GIS), Global Positional Systems (GPS), and field trips. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID GEOL 100)

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: GEOL 101.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

GEOL 112 - Historical Geology (4.00)

Introduction to the study of geologic history. Evolution of the Earth both geologically and biologically from its inception through the present day and the geologic processes responsible for its constant reshaping and continued morphological change of the planet and its life forms. Emphasis on the historical geologic development of North America. Laboratory and field studies required. (C-ID GEOL 111)

Prerequisite: None.

Corequisite: None.

Offered: (Odd Sp).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of GEOL 100, GEOL 100H, GEOL 101 and GEOL 160, or GEOL 101H and GEOL 160. Eligibility for MATH 095 and ENGL 101.

Applicable: UC*, CSU, Associate Degree Applicable.

*GEOL 112 and GEOL 113, maximum UC credit one course.

GEOL 113 - Earth and Life History (3.00)

Introduction to the study of geologic history. Evolution of the Earth both geologically and biologically from its inception through the present day and the geologic processes responsible for its constant reshaping and continued morphological change of the planet and its life forms.

Emphasis will be on the historical geologic development of North America. Field studies are required. (C-ID GEOL 110)

Prerequisite: None.

Corequisite: None.

Offered: (Odd Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of GEOL 100, GEOL 100H, GEOL 101 and GEOL 160, or GEOL 101H and GEOL 160. Eligibility for MATH 095 and ENGL 101.

Applicable: UC*, CSU, Associate Degree Applicable.

*GEOL 112 and GEOL 113, maximum UC credit one course.

GEOL 140 - Earth Science (3.00)

This course is a study of the essentials of Earth Science, including the geosphere, atmosphere, hydrosphere, and solar system. This course focuses primarily on the interactions between these Earth essentials, such as tectonics, Earth materials including minerals, rocks and the rock cycle, hydrologic cycle, weather and climate, and the Earth's place in the solar system. (C-ID GEOL 120)

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

GEOL 141 - Earth Science Laboratory (1.00)

This course is a study of the essentials of Earth Science, including the geosphere, atmosphere, hydrosphere, and solar system. Companion laboratory class with Earth Science. (C-ID GEOL 120L)

Prerequisite: None.

Corequisite: Previous or concurrent enrollment in GEOL 140.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

GEOL 150 - Contemporary Geology: Hazards, Resources and Environmental Concerns (3.00)

Introduction to the interrelationships among geologic processes, earth materials and humans, emphasizing geologic hazards (mass movements such as landslides, earthquakes, volcanoes, etc.), the problems of urbanization (waste management, energy and the environment, and desertification), and natural resources, including the issues involved with their extraction. Emphasis will be on case studies within California. Field studies are required. (C-ID GEOL 130)

Prerequisite: None.

Corequisite: None.

Also Offered As: GEOL 150H.

Offered: (Even Sp).

Lecture: Minimum 48 hours per semester and field trips.

Departmental Recommendation: Successful completion of GEOL 100, GEOL 100H, GEOL 101 and GEOL 160, or GEOL 101H and GEOL 160. Eligibility for MATH 095 and ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

GEOL 150H - Contemporary Geology: Hazards, Resources and Environmental Concerns-Honors (3.00)

Introduction to the interrelationships among geologic processes, earth materials and humans, emphasizing geologic hazards (mass movements such as landslides, earthquakes, volcanoes, etc.), the problems of urbanization (waste management, energy and the environment, and desertification), and natural resources, including the issues involved with their extraction. Emphasis will be on case studies within California. Field studies are required. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID GEOL 130)

Prerequisite: Acceptance into the College Honors Institute.

Offered: (Even Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of GEOL 100, GEOL 100H, GEOL 101 and GEOL 160, or GEOL 101H and GEOL 160. Eligibility for MATH 095 and ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

GEOL 160 - Geology Laboratory (1.00)

Laboratory exercises designed to utilize the tools of geologic inquiry, including physical properties of minerals and rocks, aerial photographs, geologic maps, Brunton compass, Geographic Information Systems (GIS), Global Positional Systems (GPS), and fieldtrips. The laboratory studies are closely coordinated with the lecture topics. (C-ID GEOL 100L)

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

GEOL 170 - Geologic History of the Great Basin (1.00)

Discussion and observation of the physical and historical geology and natural history of the Great Basin province of the United States, with specific emphasis on the geology of Death Valley National Park. Lectures preparatory to the field trip and geologic tools will be utilized to explore, understand, and observe the geology in the Great Basin and around Death Valley. Tools of geologic inquiry include field notes, hand lens, Brunton compass, topographic maps, aerial photographs, remote sensing, Geographic Information Systems (GIS), and Global Positional Systems (GPS). Student must attend the field trip or complete an approved alternative assignment to successfully complete the course.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 2 hours per semester.

Lab: Minimum 42 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 and MATH 095.

Applicable: CSU, Associate Degree Applicable.

GEOL 175 - Geology of the Eastern Mojave Desert (1.00)

Discussion and observation of the physical and historical geology and natural history of the Great Basin of the United States, with specific emphasis on the geology of Eastern Mojave Desert. Lectures prior to the field trip and geologic tools will be utilized to observe, explore, and understand the geology of the Eastern Mojave Desert. Student must

attend the field trip or complete an approved alternative assignment to successfully complete the course.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 2 hours per semester.

Lab: Minimum 42 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 and MATH 095.

Applicable: CSU, Associate Degree Applicable.

GEOL 177 - Geology of the High Desert and Western Mojave Desert Region (1.00)

Discussion and observation of the physical and historical geology and natural history of the Western Mojave Desert with emphasis in the high desert area of Rainbow Basin. Lectures prior to the field trip and geologic tools will be utilized to observe, explore, and understand the geology of the region of study. Student must attend the field trip or complete an approved alternative assignment to successfully complete the course.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 2 hours per semester.

Lab: Minimum 42 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 and MATH 095.

Applicable: CSU, Associate Degree Applicable.

GEOL 180 - Geology of Joshua Tree National Park (1.00)

Discussion and field observation of the physical and historical geology and natural history of the Joshua Tree National Park area. Lectures prior to the field trip and geologic tools will be utilized to observe, explore, and understand the geologic history of Joshua Tree National Park. Student must attend the field trip or complete an approved alternative assignment to successfully complete the course.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 2 hours per semester.

Lab: Minimum 42 hours per semester.

Departmental Recommendation: Eligibility for MATH 095 and ENGL 101.

Applicable: CSU, Associate Degree Applicable.

GEOL 181 - Geology of the Anza Borrego Region (1.00)

Discussion and field observation of the physical and historical geology of the Anza Borrego Region in San Diego County, CA. Lectures prior to the field trip and geologic tools will be utilized to observe, explore, and understand the geology of the region. Student must attend the field trip or complete an approved alternative assignment to successfully complete the course.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 2 hours per semester.

Lab: Minimum 42 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 and MATH 095.

Applicable: CSU, Associate Degree Applicable.

GEOL 190 - Geology of the Eastern Sierra Nevada, Northern Section (1.00)

Discussion and observation of the physical and historical geology and natural history of the northern part of the Sierra Nevada, including Mammoth Mountain and the Long Valley Caldera. Lectures prior to the field study and geologic tools will be utilized to observe, explore, and understand the geology of the area. Student must attend the field trip or complete an approved alternative assignment to successfully complete the course.

Prerequisite: None.

Corequisite: None.

Also Offered As: None.

Lecture: Minimum 2 hours per semester.

Lab: Minimum 42 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 and MATH 095.

Applicable: CSU, Associate Degree Applicable.

GEOL 246A - Special Problems in Geology (1.00)

Independent projects for students interested in the enrichment of their knowledge of geology. Assigned topics will involve research and/or field work.

Prerequisite: GEOL 100, GEOL 100H, GEOL 101, or GEOL 101H.

Corequisite: None.

Independent Study: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

* UC will determine units granted AFTER transfer.

GEOL 246B - Special Problems in Geology (1.00)

Independent projects for students interested in the enrichment of their knowledge of geology. Assigned topics will involve research and/or field work.

Prerequisite: GEOL 100, GEOL 100H, GEOL 101 or GEOL 101H.

Corequisite: None.

Independent Study: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

GEOL 246C - Special Problems in Geology (1.00)

Independent projects for students interested in the enrichment of their knowledge of geology. Assigned topics will involve research and/or field work.

Prerequisite: GEOL 100, GEOL 100H, GEOL 101 or GEOL 101H.

Corequisite: None.

Independent Study: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

GEOL 246D - Special Problems in Geology (1.00)

Independent projects for students interested in the enrichment of their knowledge of geology. Assigned topics will involve research and/or field work.

Prerequisite: GEOL 100, GEOL 100H, GEOL 101 or GEOL 101H.

Corequisite: None.

Independent Study: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

GEOL 250 - Geology of California (3.00)

Introduction to the interrelationship among the geologic processes that created the state of California. Each of the twelve geomorphic provinces will be examined with respect to their physical and historical geologic background. The geologic hazards of California will be discussed. Case studies will be focused on southern California. (C-ID GEOL 200)

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester and field trips.

Departmental Recommendation: Successful completion of GEOL 100, GEOL 100H, GEOL 101 and GEOL 160, or GEOL 101H and GEOL 160. Eligibility for ENGL 101 and MATH 095.

Applicable: UC, CSU, Associate Degree Applicable.

GEOL 251 - Geology of National Parks and Monuments (3.00)

This course consists of a study of the geology of selected national parks and monuments of the United States. Emphasis will be on the geologic process that formed each park or monument. Student must attend the field trip or complete an approved alternative assignment to successfully complete the course.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester and field trips.

Departmental Recommendation: Successful completion of GEOL 100 or GEOL 100H, and GEOL 101 or GEOL 101H.

Applicable: CSU, Associate Degree Applicable.

GEOL 260 - Introduction to Field Geology (3.00)

Demonstration, discussion and practice of field investigations of geologic environments involving describing, mapping, and identifying geologic phenomena. Students must attend the field studies in order to successfully complete the course.

Prerequisite: Successful completion of any geology or physical geography course with a laboratory.

Corequisite: None.

Lecture: Minimum 24 hours per semester.

Field: Minimum 72 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

GEOL 270 - Geology of the Eastern Sierra Nevada (1.00)

Discussion and observation of the physical and historical geology and natural history of the Pacific Coast province of the United States, with specific emphasis on the geology of Eastern Sierra Nevada. Lectures preparatory to the fieldtrip and geologic tools will be utilized to explore, understand, and observe the geology in the southern section of the Sierra Nevada (from Ridgecrest area to north of Big Pine, CA). Student must attend the field trip or complete an approved alternative assignment to successfully complete the course.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 2 hours per semester.

Lab: Minimum 42 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 and MATH 095.

Applicable: CSU, Associate Degree Applicable.

HEALTH - Health

HEALTH 102 - Biological Principles of Health (3.00)

Examines the nature and scope of healthful living, including the principles of health resources, trends in disease prevalence, infectious and noninfectious diseases and risk factors (i.e. smoking, substance abuse, improper diet and inactivity).

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*HEALTH 102, 263, and 263H combined: maximum UC credit, one course

HEALTH 263 - Nutrition and Health (3.00)

Review of the literature on the basic nutrients of protein, fat, carbohydrate, vitamins, minerals and water. Development of the skills necessary to analyze, evaluate and prescribe a dietary intake for weight loss, weight maintenance and weight gain. Study of the relationship between nutrition and disease and the psycho-social factors and stressors contributing to eating disorders.

Prerequisite: None.

Corequisite: None.

Also Offered As: HEALTH 263H.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for MATH 090.

Applicable: UC, CSU, Associate Degree Applicable.

*HEALTH 102, 263, and 263H combined: maximum UC credit, one course.

HEALTH 263H - Nutrition and Health-Honors (3.00)

Review of the literature on the basic nutrients of protein, fat, carbohydrate, vitamins, minerals and water. Development of the skills necessary to analyze, evaluate and prescribe a dietary intake for weight loss, weight maintenance and weight gain. Study of the relationship between nutrition and disease and the psycho-social factors and stressors contributing to eating disorders. This course includes content and experiences appropriate for students wishing to earn honors credit.

Prerequisite: Acceptance into the College Honors institute.

Corequisite: None.

Also Offered As: HEALTH 263.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for MATH 090.

Applicable: UC, CSU, Associate Degree Applicable.

*HEALTH 102, 263, and 263H combined: maximum UC credit, one course

HIST - History

HIST 100 - History of the United States to 1877 (3.00)

Survey of American history from the pre-Columbian period to the end of the Reconstruction Era in 1877. Introduction to key issues and developments of the period as America shifts its economic, political, technological and cultural base from a predominantly dependent agrarian colonial society to an independent urban, industrial nation. (C-ID HIST 130)

Prerequisite: None.

Corequisite: None.

Also Offered As: HIST 100H.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 or ENGL 101H.

Applicable: UC, CSU, Associate Degree Applicable.

HIST 100H - History of the United States to 1877- Honors (3.00)

Survey of American history from the pre-Columbian period to the end of the Reconstruction Era in 1877. Introduction to key issues and developments of the period as America shifts its economic, political, technological and cultural base from a predominantly dependent agrarian colonial society to an independent urban, industrial nation. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID HIST 130)

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: HIST 100.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of ENGL 101 or ENGL 101H.

Applicable: UC, CSU, Associate Degree Applicable.

HIST 101 - History of the United States 1865 to Present (3.00)

Survey of American history 1865 to the present. Introduction to key social, political, economic and cultural issues and developments in America's emergence as an urban, industrial and technological, global-leading, consumer society. (C-ID HIST 140)

Prerequisite: None.

Corequisite: None.

Also Offered As: HIST 101H.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 or ENGL 101H.

Applicable: UC, CSU, Associate Degree Applicable.

HIST 101H - History of the United States 1865 to Present- Honors (3.00)

Survey of American history 1865 to present. Introduction to key social, political, economic and cultural issues and developments in America's emergence as an urban, industrial and technological, global-leading, consumer society. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID HIST 140)

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: HIST 101.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of ENGL 101 or ENGL 101H.

Applicable: UC, CSU, Associate Degree Applicable.

HIST 107 - The United States and the North American Indians (3.00)

History of the North American Indian from first contact through conquest and reservation life to the present. Examination of traditional cultural elements, American policies toward Native Americans, modern Indian communities and contemporary issues. This course is also offered as ANTHRO 107.

Prerequisite: None.

Corequisite: None.

Also Offered As: ANTHRO 107.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 or ENGL 101H.

Applicable: UC, CSU, Associate Degree Applicable.

HIST 135 - Religion in America (3.00)

Study of the principal groups, figures, issues, and trends in religion from colonial times to the present, covering such topics as the Puritans, the growth of religious liberty in America, religion and social protest, the African-American religious experience, Catholic-Protestant-Jew, and contemporary religious phenomena. This course is also offered as RELIG 135.

Prerequisite: None.

Corequisite: None.

Also Offered As: RELIG 135.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 or ENGL 101H.

Applicable: UC, CSU, Associate Degree Applicable.

HIST 145 - California History (3.00)

Survey of California history from the pre-Columbian period to the present. Introduction to key issues and developments in social, political, economic, technological, geographic and cultural aspects vital to the growth of California from a colonial outpost to a highly diverse modern state.

Prerequisite: None.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 or ENGL 101H.

Applicable: UC, CSU, Associate Degree Applicable.

HIST 150 - Survey of Latin American History (3.00)

An introduction to Latin American history from the pre-Columbian to modern era. Multidisciplinary examination of Latin America with an emphasis on cultural developments, social movements, the impact of colonialism and globalization.

Prerequisite: None.

Corequisite: None.

Offered: (Odd Fa).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 or ENGL 101H.

Applicable: UC, CSU, Associate Degree Applicable.

HIST 170 - World Civilizations (3500 BCE-1500 CE) (3.00)

Study of cross-cultural history emphasizing the art and literature, philosophy and religion, family and society, as well as the political, economic and technological contributions of the world's civilizations from the earliest societies through the classical to 1500CE. The course focuses on the ethno-cultural traditions of the Middle East, Asia, Greece, Rome and Medieval and Reformation Europe.

Prerequisite: None.

Corequisite: None.

Also Offered As: HIST 170H.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 or ENGL 101H.

Applicable: UC, CSU, Associate Degree Applicable.

HIST 170H - World Civilizations (3500 BCE-1500 CE) - Honors (3.00)

Study of cross-cultural history emphasizing the art and literature, philosophy and religion, family and society, as well as the political, economic and technological contributions of the world's civilizations from the earliest societies through the classical to 1500CE. The course focuses on the ethno-cultural traditions of the Middle East, Asia, Greece, Rome and Medieval and Reformation Europe. This course includes content and experiences appropriate for students wishing to earn honors credit.

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: HIST 170.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of ENGL 101 or ENGL 101H.

Applicable: UC, CSU, Associate Degree Applicable.

HIST 171 - World Civilizations (1500 CE to the Present) (3.00)

Study of cross-cultural history emphasizing the art and literature, philosophy and religion, family and society, as well as the political, economic and technological contributions of the world's civilizations from 1500 CE to the present. This course focuses on modern western and non-western history, culture and socio-political structures and the effect of modern technology, colonialism and revolution in the world.

Prerequisite: None.

Corequisite: None.

Also Offered As: HIST 171H.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 or ENGL 101H.

Applicable: UC, CSU, Associate Degree Applicable.

HIST 171H - World Civilizations (1500 CE to the Present) - Honors (3.00)

Study of cross-cultural history emphasizing the art and literature, philosophy and religion, family and society, as well as the political, economic and technological contributions of the world's civilizations from 1500 CE to the present. This course focuses on modern western and non-western history, culture and socio-political structures and the effect of modern technology, colonialism and revolution in the world. This course includes content and experiences appropriate for students wishing to earn honors credit.

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: HIST 171.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of ENGL 101 or ENGL 101H.

Applicable: UC, CSU, Associate Degree Applicable.

HIT - Health Information Technologies**HIT 101 - Medical Terminology (3.00)**

Instruction in the usage, spelling, pronunciation, and meaning of terminology used to describe the human body.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

HUM - Humanities**HUM 101 - The Humanities I: Prehistoric to Medieval (3.00)**

The study of humanities through the arts and idea of earliest civilization through the Medieval period. Development of the understanding of historical context, basic elements, meaning, form, and critical evaluation skills as they relate to the humanities.

Prerequisite: None.

Corequisite: None.

Offered: (Even Fa).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 or ENGL 101H.

Applicable: UC, CSU, Degree Applicable.

HUM 102 - The Humanities II: Renaissance to Post Modern (3.00)

Study of humanities through the arts and ideas of the Renaissance through the present. Development of the understanding of historical context basic elements, meaning, form, and critical evaluation skills as they relate to the humanities.

Prerequisite: None.

Corequisite: None.

Offered: (Odd Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 or ENGL 101H.

Applicable: UC, CSU, Degree Applicable.

HUM 103 - Humanities: The Arts and Culture of Los Angeles (1.00)

Study of humanities in Los Angeles through the major arts: architecture, film, music, sculpture, dance, drama, photography, literature, performance art, and painting. Development of the understanding of historical context, basic elements, meaning, form, and critical evaluation skills as they relate to the arts.

Prerequisite: None.

Corequisite: None.

Offered: (Even Fa).

Lecture: Minimum 8 hours per semester.

Lab: Minimum 24 hours per semester.

Applicable: CSU, Associate Degree Applicable.

HUM 140 - Humanities Through the Arts (3.00)

Study of humanities through seven major arts: film, drama, music, literature, painting, sculpture, and architecture. Development of the understanding of historical context, basic elements, meaning, form, and critical evaluation skills as they relate to art.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 or ENGL 101H.

Applicable: UC, CSU, Associate Degree Applicable.

JAPN - Japanese**JAPN 101 - College Japanese I (5.00)**

Introductory study of Japanese language and culture, with a special emphasis on communication in daily life. Introduction to Hiragana and Katakana (Japanese alphabets), fundamental grammatical structures

and Kanji characters. Development of listening, speaking, reading and writing skills.

NOTE: This course corresponds to the first year of high school Japanese.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 80 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*No credit granted if taken after JAPN 102, JAPN 103, JAPN 104.

JAPN 102 - College Japanese II (5.00)

A continuation of JAPN 101. Further development of students' listening, speaking, reading and writing skills. Study of increasingly more complex grammatical structures, Kanji characters and nonverbal behaviors.

NOTE: This course corresponds to the second year of high school Japanese.

Prerequisite: JAPN 101.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 80 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*No credit granted if taken after JAPN 103 or JAPN 104.

JAPN 103 - College Japanese III (5.00)

A continuation of JAPN 102. Further development of students' listening, speaking, reading and writing skills. Study of increasingly more complex grammatical structures, Kanji characters and speech styles.

Prerequisite: JAPN 102.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 80 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*No credit granted if taken after JAPN 104.

JAPN 104 - College Japanese IV (5.00)

A continuation of JAPN 103. Further development of students' listening, speaking, reading and writing skills. Study of increasing more complex grammatical structures, Kanji characters, honorific and humble expressions and conversational skills.

Prerequisite: JAPN 103.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 80 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

JOUR - Journalism

JOUR 120 - Fundamentals of News Writing (3.00)

Study of the basic principles of journalism. Development of skills associated with evaluating, gathering and writing news in accepted journalistic style. Introduction to the role of the reporter in news

organizations, news reporting techniques and legal and ethical issues related to journalism. This course is also offered as ENGL 120. (C-ID JOUR 110)

Prerequisite: ENGL 010 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Also Offered As: ENGL 120.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

JOUR 135 - Mass Communication in Society (3.00)

An introduction to contemporary mass media including television, radio, sound recordings, film, print media and computer-mediated communication. Exploration of the theories, history, effects, and role of mass communication both in the United States and globally. Critical analysis of mass media messages. This course is also offered as COMMST 135. (C-ID JOUR 100)

Prerequisite: None.

Corequisite: None.

Also Offered As: COMMST 135.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

KIN - Kinesiology

KIN 170 - Lifeguarding (3.00)

Knowledge and skills required for deep water lifeguarding, meeting the certificate requirements of the American Red Cross. This course is also offered as PBSF 170.

Prerequisite: Must be age 15 or older. 300 meters of continuous swim: front crawl, breaststroke or a combination of both without stopping to rest. Tread water for 2 minutes. Timed event: swim 20 meters out to retrieve a 10 pound weight within 1 minute and 40 seconds. .

Corequisite: None.

Also Offered As: PBSF 170.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

KIN 200 - Introduction to Kinesiology (3.00)

Introduction to the interdisciplinary study of human movement. Study of the historical development, philosophies and methods of the discipline, and career opportunities in the areas of teaching, coaching, athletic training, exercise science, fitness, and health professions. (C-ID KIN 100)

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

KIN 231 - First Aid and CPR (3.00)

Provides instruction on emergency care and treatment of illnesses and injuries including training in cardiopulmonary resuscitation (CPR) and automated external defibrillation (AED). Students who successfully pass all National Safety Council requirements will receive a First Aid Certificate. Students who successfully pass all CPR and AED requirements will receive a CPR/AED Certificate. (C-ID KIN 101)

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

KIN/D - Kinesiology (Dance)**KIN/D 130A - Jazz Dance I (0.50 - 1.00)**

Instruction in jazz dance for beginning students with little or no experience in jazz dance. Jazz techniques using a variety of styles and approaches within the jazz idiom. This course is also offered as DANCE 130A.

Prerequisite: None.

Corequisite: None.

Also Offered As: DANCE 130A.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/D 130B - Jazz Dance II (0.50 - 1.00)

Instruction in jazz dance for intermediate students with minimal experience in jazz dance. Intermediate-level Jazz techniques using a variety of styles and approaches within the jazz idiom. This course is also offered as DANCE 130B.

Prerequisite: None.

Corequisite: None.

Also Offered As: DANCE 130B.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/D 130C - Jazz Dance III (0.50 - 1.00)

Instruction in jazz dance for intermediate/advanced students with moderate experience in jazz dance. Intermediate/advanced Jazz techniques using a variety of styles and approaches within the jazz idiom. This course is also offered as DANCE 130C.

Prerequisite: None.

Corequisite: None.

Also Offered As: DANCE 130C.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/D 130D - Jazz Dance IV (0.50 - 1.00)

Jazz dance for advanced students who wish to perform advanced routines, identify technical problems and correct deficiencies. Advanced Jazz techniques using a variety of styles and approaches within the jazz idiom. This course is also offered as DANCE 130D.

Prerequisite: None.

Corequisite: None.

Also Offered As: DANCE 130D.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/D 143A - Funk/Hip Hop Dance I (0.50-1.00)

Instruction in funk and hip hop dance for beginning students with little or no experience. Development of beginning level skills that will enable students to perform dance steps such as brake, pop style and up-tempo. This course is also offered as DANCE 143A.

Prerequisite: None.

Corequisite: None.

Also Offered As: DANCE 143A.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/D 143B - Funk/Hip Hop Dance II (0.50 - 1.00)

Instruction in funk and hip hop dance for intermediate students with minimal experience. Further development of skills that will enable students to perform dance steps such as brake, pop style and up-tempo. This course is also offered as DANCE 143B.

Prerequisite: None.

Corequisite: None.

Also Offered As: DANCE 143B.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/D 143C - Funk/Hip Hop Dance III (0.50 - 1.00)

Instruction in funk and hip hop dance for intermediate/advanced students who wish to clarify technical problems and deficiencies. Further development in skills that will enable students to perform more complicated dance steps. This course is also offered as DANCE 143C.

Prerequisite: None.

Corequisite: None.

Also Offered As: DANCE 143C.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIND 143D - Funk/Hip Hop Dance IV (0.50 - 1.00)

Instruction in funk and hip hop dance for advanced students who wish to clarify technical problems and deficiencies and develop advanced dance and choreography skills. This course is also offered as DANCE 143D.

Prerequisite: None.

Corequisite: None.

Also Offered As: DANCE 143D.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIND 163A - Ballroom/Swing/Salsa I (0.50 - 1.00)

Beginning principles of Ballroom/Swing/Salsa dance. Development of physical skills, including rhythm, syncopation, partnering and body expression. Dance forms include Waltz, Foxtrot, Salsa, East Coast Swing, West Coast Swing, Cha Cha Cha and Night Club Two Step. This course is also offered as DANCE 163A.

Prerequisite: None.

Corequisite: None.

Also Offered As: DANCE 163A.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIND 163B - Ballroom/Swing/Salsa II (0.50 - 1.00)

Intermediate principles of Ballroom/Swing/Salsa dance. Continued development of physical skills including rhythm, syncopation, partnering and body expression. Dance forms include Waltz, Foxtrot, Salsa, East Coast Swing, West Coast Swing, Cha Cha Cha and Night Club Two Step. This course is also offered as DANCE 163B.

Prerequisite: None.

Corequisite: None.

Also Offered As: DANCE 163B.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIND 163C - Ballroom/Swing/Salsa III (0.50 - 1.00)

Intermediate/advanced principles of Ballroom/Swing/Salsa dance. Development of physical skills including rhythm, syncopation, partnering and body expression. Dance forms include Waltz, Foxtrot, Salsa, East Coast Swing, West Coast Swing, Cha Cha Cha and Night Club Two Step. This course is also offered as DANCE 163C.

Prerequisite: None.

Corequisite: None.

Also Offered As: DANCE 163C.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIND 163D - Ballroom/Swing/Salsa IV (0.50 - 1.00)

Advanced principles of Ballroom/Swing/Salsa dance. Continued physical skills including rhythm, syncopation, partnering and body expression. Dance forms include Waltz, Foxtrot, Salsa, East Coast Swing, West Coast Swing, Cha Cha Cha and Night Club Two Step. This course is also offered as DANCE 163D.

Prerequisite: None.

Corequisite: None.

Also Offered As: DANCE 163D.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F - Kinesiology (Fitness Activities)

KIN/F 970A - Personal Fitness Assessment I (0.25)

First time fitness assessment including cardiorespiratory fitness, muscular strength, muscular endurance, flexibility, body composition, blood pressure, health history, and dietary intake. After testing, recommendations for an exercise program and dietary guidance are given based on Personal needs. Graded on a Pass or No Pass basis only.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 12 hours per semester.

Applicable: Not Associate Degree Applicable.

KIN/F 970B - Personal Fitness Assessment II (0.25)

Fitness assessment designed for students who have already completed the fitness assessment once and are interested in re-evaluation of cardiorespiratory fitness, muscular strength, muscular endurance, flexibility, body composition, blood pressure, health history, and dietary intake. After testing, revised recommendations for an exercise program and dietary guidance will be given based on personal needs. Graded on a Pass or No Pass basis only.

Prerequisite: KIN/F 970A.

Corequisite: None.

Lab: Minimum 12 hours per semester.

Applicable: Not Associate Degree Applicable.

KIN/F 970C - Personal Fitness Assessment III (0.25)

Fitness assessment designed for students who have already completed the fitness assessment twice and are interested in intermediate/advanced methods to improve their fitness level and re-evaluation of cardiorespiratory fitness, muscular strength, muscular endurance, flexibility, body composition, blood pressure, health history, and dietary intake. After testing, revised recommendations for an exercise program and dietary guidance will be given based on personal needs.

Prerequisite: KIN/F 970B.

Corequisite: None.

Lab: Minimum 12 hours per semester.

Applicable: Not Associate Degree Applicable.

KIN/F 970D - Personal Fitness Assessment IV (0.25)

Fitness assessment designed for students who have already completed the fitness assessment three times and are interested in advanced methods to improve their fitness level and re-evaluation of cardiorespiratory fitness, muscular strength, muscular endurance, flexibility, body composition, blood pressure, health history, and dietary intake. After testing, revised recommendations for an exercise program and dietary guidance will be given based on personal needs. Graded on a Pass or No Pass basis only.

Prerequisite: KIN/F 970C.

Corequisite: None.

Lab: Minimum 12 hours per semester.

Applicable: Not Associate Degree Applicable.

KIN/F 049 - Basic Firefighter Physical Fitness (2.00)

Physical fitness exercise, teamwork, disciplined precision cadence drilling and preparation for the fire agility physical fitness testing requirement for the fire academy cadets. Graded on a Pass or No Pass bases only.

Prerequisite: None.

Corequisite: FIRET 115.

Also Offered As: FIRET 049.

Lecture: Minimum 8 hours per semester.

Lab: Minimum 72 hours per semester.

Applicable: Associate Degree Applicable.

KIN/F 105A - Aerobic Conditioning I (0.50 - 1.00)

Aerobics training for beginning students. Activities which improve flexibility and strength with an emphasis on cardiorespiratory conditioning. Specific aerobic conditioning styles offered (e.g. boot camp, step, Zumba, fusion, kickboxing, Tae Bo, strength training, and combination) are described in the current class schedule.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 105B - Aerobic Conditioning II (0.50 - 1.00)

Aerobics training for intermediate students. Activities to improve flexibility and strength with an emphasis on cardiorespiratory conditioning. Specific aerobic conditioning styles offered (e.g. boot camp, step, Zumba, fusion, kickboxing, Tae Bo, strength training, and combination) are described in the current class schedule.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 105C - Aerobic Conditioning III (0.50 - 1.00)

Aerobics training for intermediate/advanced students. Activities to improve flexibility and strength with an emphasis on cardiorespiratory conditioning. Specific aerobic conditioning styles offered (e.g. boot camp, step, Zumba, fusion, kickboxing, Tae Bo, strength training, and combination) are described in the current class schedule.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 105D - Aerobic Conditioning IV (0.50 - 1.00)

Aerobics training for advanced students. Activities to improve flexibility and strength with an emphasis on cardiorespiratory conditioning. Specific aerobic conditioning styles offered (e.g. boot camp, step, Zumba, fusion, kickboxing, Tae Bo, strength training, and combination) are described in the current class schedule.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 106A - Total Body Fitness I (0.50 - 1.00)

Training designed for beginning-level students interested in improving cardiovascular fitness, flexibility, balance, muscular endurance and muscular strength. Incorporation of various cardiovascular, stretching and strength training regimens to promote optimal conditioning.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 106B - Total Body Fitness II (0.50 - 1.00)

Training designed for intermediate-level students interested in improving cardiovascular fitness, flexibility, balance, muscular endurance and muscular strength. Incorporation of various cardiovascular, stretching and strength training regimens to promote optimal conditioning.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KINF 106C - Total Body Fitness III (0.50 - 1.00)

Training designed for intermediate/advanced-level students interested in improving cardiovascular fitness, flexibility, balance, muscular endurance and muscular strength. Incorporation of various cardiovascular, stretching and strength training regimens to promote optimal conditioning.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KINF 106D - Total Body Fitness IV (0.50 - 1.00)

Training designed for advanced-level students interested in improving cardiovascular fitness, flexibility, balance, muscular endurance and muscular strength. Incorporation of various cardiovascular, stretching and strength training regimens to promote optimal conditioning.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KINF 108A - Resistance and Weight Training I (0.50 - 1.00)

Resistance training for beginners with little or no knowledge and skills of training. Development of a complete, individualized program utilizing primarily weight training machines and own body resistance, and focusing on improved muscle endurance and strength.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KINF 108B - Resistance and Weight Training II (0.50 - 1.00)

Resistance training for intermediate students with minimal knowledge and skills of training. Development of a complete, individualized program utilizing primarily weight training machines and own body resistance, and focusing on improved muscle endurance and strength.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KINF 108C - Resistance and Weight Training III (0.50 - 1.00)

Resistance training for intermediate/advanced students with moderate knowledge and skills of training. Development of a complete, individualized program incorporating more sophisticated routines including free weights, negative workouts, giant setting, pyramids and split routines.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KINF 108D - Resistance and Weight Training IV (0.50 - 1.00)

Resistance training for advanced students with substantial knowledge and skills of training. Development of a dietary prescription and a complete, individualized program incorporating more sophisticated routines including free weights, negative workouts, giant setting, pyramids and split routines.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KINF 127A - Walking for Fitness I (0.50 - 1.00)

Beginning-level walking suitable for individuals of all ages and fitness levels. Incorporation of various walking-routes designed to promote walking endurance, cardiovascular health and general well-being.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KINF 127B - Walking for Fitness II (0.50 - 1.00)

Intermediate-level walking suitable for individuals with moderate, low-intensity walking experience. Incorporation of various walking routes including hills designed to promote walking endurance, cardiovascular health and general well-being.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KINF 127C - Walking for Fitness III (0.50 - 1.00)

Intermediate/advanced-level walking suitable for individuals that are conditioned to walk two to three miles at an intermediate pace.

Incorporation of various walking routes designed to promote walking endurance, walking speed, cardiovascular health and general well-being.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 127D - Walking for Fitness IV (0.50 - 1.00)

Advanced level walking suitable for individuals that are conditioned to walk two to three miles at a fast pace. Incorporation of various walking routes including trails, hills and stairs designed to promote walking endurance, walking speed, cardiovascular health and general well-being.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 155A - Conditioning with the Pilates Method I (0.50 - 1.00)

Introduction to the Pilates method combining beginning level yoga and strength training. Focuses on improvement of strength and flexibility with minimal stress to the body. Recommended for students of all fitness levels including students with physical limitations.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 155B - Conditioning with the Pilates Method II (0.50 - 1.00)

Further development of Pilates technique combining intermediate level yoga and strength training. Review of fundamental technique and focus on continued improvement strength and flexibility with minimal stress to the body. Recommended for students of all fitness levels, including students with physical limitations.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 155C - Conditioning with the Pilates Method III (0.50 - 1.00)

Further development of Pilates technique combining intermediate/advanced level yoga and strength training. Review of fundamental technique and focus on continued improvement of strength

and flexibility with minimal stress to the body. Recommended for students of all fitness levels, including students with physical limitations.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 155D - Conditioning with the Pilates Method IV (0.50 - 1.00)

Further development of Pilates technique combining advanced level yoga and strength training. Review of fundamental technique and focus on continued improvement of strength and flexibility with minimal stress to the body. Recommended for students of all fitness levels, including students with limitations.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 168A - Yoga I (0.50 - 1.00)

Yoga training suitable for individuals of all ages and fitness levels. Beginning principles of yoga with an introduction to basic yoga poses and breathing, focusing on improved flexibility and strength.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 168B - Yoga II (0.50 - 1.00)

Yoga training suitable for individuals of all ages and fitness levels. Principles of yoga with an emphasis on the practice of intermediate yoga poses. Further development of relaxation, interconnection between mind and body, isometric strength and flexibility.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 168C - Yoga III (0.50 - 1.00)

Yoga training suitable for individuals of all ages and fitness levels. Intermediate/advanced principles of yoga with an emphasis on the practice and mastery of yoga poses. Further development of relaxation, interconnection between mind and body, isometric strength and flexibility.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 168D - Yoga IV (0.50 - 1.00)

Advanced principles of yoga with an emphasis on the mastery of yoga poses. More physically challenging poses focusing on the development of isometric strength, flexibility, balance and the connection between the mind and body.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 173A - Water Aerobics and Deep Water Exercise I (0.50 - 1.00)

Instruction in basic fitness concepts and water exercise. Development of strength, flexibility, balance, coordination and cardiovascular fitness within a water aerobic format.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 173B - Water Aerobics and Deep Water Exercise II (0.50 - 1.00)

Instruction in intermediate-level fitness concepts and water exercise. Further development of strength, flexibility, movement memory, balance, coordination and cardiovascular fitness within a water aerobic format.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 173C - Water Aerobics and Deep Water Exercise III (0.50 - 1.00)

Instruction in intermediate/advanced-level fitness concepts and water exercise. Further development of strength, flexibility, movement memory, balance, coordination and cardiovascular fitness within a water aerobic format.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 173D - Water Aerobics and Deep Water Exercise IV (0.50 - 1.00)

Instruction in advanced-level fitness concepts and water exercise. Further development of strength, flexibility, movement memory, balance, coordination and cardiovascular fitness within a water aerobic format.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 190A - Tai Chi I (0.50 - 1.00)

Beginning-level Tai Chi training suitable for individuals of all ages and fitness levels. Introduction to basic breathing techniques and simple movement patterns to increase strength, endurance and flexibility. Discussion of the history and benefits of Tai Chi.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 190B - Tai Chi II (0.50 - 1.00)

Intermediate-level Tai Chi training suitable for individuals of all ages and fitness levels. Breathing techniques and intermediate movement patterns to increase strength, endurance and flexibility. Discussion of the history and benefits of Tai Chi.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 190C - Tai Chi III (0.50 - 1.00)

Intermediate/advanced-level Tai Chi training suitable for individuals of all ages and fitness levels. Breathing techniques with intermediate/advanced movement patterns to increase strength, endurance and flexibility. Discussion of the history and benefits of Tai Chi.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 190D - Tai Chi IV (0.50 - 1.00)

Advanced level Tai Chi training suitable for individuals of all ages and fitness levels. Emphasis on breathing synchronization and flow while

performing an entire series of movement. To further improve strength, endurance, flexibility and balance. Discussion of modern and traditional styles of Tai Chi.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 191A - Hiking for Fitness I (0.50 - 1.00)

Instruction in beginning-level hiking techniques suitable for individuals of all ages and fitness levels. Incorporates various hiking routes on and off campus. Designed to promote cardiovascular health and general well-being.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 191B - Hiking for Fitness II (0.50 - 1.00)

Instruction in intermediate-level hiking techniques suitable for individuals of all ages and fitness levels. Designed to further promote cardiovascular health and general well-being. Includes preparation for day trip hikes.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 191C - Hiking for Fitness III (0.50 - 1.00)

Instruction in intermediate/advanced-level hiking techniques incorporating hiking routes on and off campus. Designed to further promote cardiovascular health and general well-being. Includes preparation for longer day hikes.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/F 191D - Hiking for Fitness IV (0.50 - 1.00)

Advanced hiking incorporating various hiking routes on and off campus completed at a faster pace. Designed to further promote cardiovascular health and general well-being.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S - Kinesiology (Sports Activities)

KIN/S 116A - Soccer I (0.50 - 1.00)

Instruction in the beginning level skills, techniques, strategies, and rules of the sport of soccer. Emphasis on improvement of overall fitness and development of life-long behavioral skills.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 116B - Soccer II (0.50 - 1.00)

Instruction in the intermediate level skills, techniques, strategies, and rules of the sport of soccer. Emphasis on improvement of overall fitness and development of life-long behavioral skills.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 116C - Soccer III (0.50 - 1.00)

Instruction in the intermediate/advanced level skills, techniques, strategies, and rules of the sport of soccer. Emphasis on improvement of overall fitness and development of life-long behavioral skills.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 116D - Soccer IV (0.50 - 1.00)

Instruction in the advanced-level skills, techniques, strategies, and rules of the sport of soccer. During the application of these techniques and practice, students will improve their overall fitness and develop life-long behavioral skills.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 120A - Golf I (0.50 - 1.00)

Development of beginning level playing and competitive skills for the benefits of lifetime participation in the sport of golf. Instruction in beginning level skills, techniques, strategies, along with rules and etiquette.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 120B - Golf II (0.50 - 1.00)

Development of intermediate level playing and competitive skills for the benefits of lifetime participation in the sport of golf. Instruction in intermediate level skills, techniques, strategies, along with rules and etiquette.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 120C - Golf III (0.50 - 1.00)

Development of intermediate/advanced level playing and competitive skills for the benefits of lifetime participation in the sport of golf. Instruction in intermediate/advanced level skills, techniques, strategies, along with rules and etiquette.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 120D - Golf IV (0.50 - 1.00)

Development of advanced level playing and competitive skills for the benefits of lifetime participation in the sport of golf. Instruction in advanced skills, techniques, strategies, along with rules and etiquette.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 138A - Pickleball I (0.50 - 1.00)

Development of beginning-level playing and competitive skills in the paddle sport of pickleball. Instruction in the beginning skills, techniques, strategies, along with rules and etiquette. Pickleball features simple

rules and is easy to learn. Because beginners can enjoy the sport almost immediately, while advanced players experience it as a fast-paced, highly competitive game, pickleball is suitable for individuals of all ages, fitness levels and athletic abilities.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 138B - Pickleball II (0.50 - 1.00)

Development of intermediate-level playing and competitive skills in pickleball. Instruction in the intermediate skills, techniques, strategies, along with rules and etiquette. Pickleball features simple rules and is easy to learn. Because less experienced players can enjoy the sport almost immediately, while advanced players experience it as a fast-paced, highly competitive game, pickleball is suitable for individuals of all ages, fitness levels, and athletic abilities.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 138C - Pickleball III (0.50 - 1.00)

Development of intermediate/advanced level playing and competitive skills in pickleball. Instruction in the intermediate/advanced skills, techniques, strategies, along with rules and etiquette. Pickleball features simple rules and is easy to learn. Because less experienced players can enjoy the sport almost immediately, while advanced players experience it as a fast-paced, highly competitive game, pickleball is suitable for individuals of all ages, fitness levels, and athletic abilities.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 138D - Pickleball IV (0.50 - 1.00)

Development of advanced-level playing and competitive skills in pickleball. Instruction in the advanced skills, techniques, strategies, along with rules and etiquette. Pickleball features simple rules and is easy to learn. Because less experienced players can enjoy the sport almost immediately, while advanced players experience it as a fast-paced, highly competitive game, pickleball is suitable for individuals of all ages, fitness levels, and athletic abilities.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 148A - Tennis I (0.50 - 1.00)

Development of beginning-level playing and competitive skills for the benefits of lifetime participation in the sport of tennis. Instruction in beginning skills, techniques, strategies, along with rules and etiquette. Students may enroll a maximum of four times in any tennis or competitive tennis course.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 148B - Tennis II (0.50 - 1.00)

Continued development of playing and competitive skills for the benefits of lifetime participation in the sport of tennis. Instruction in intermediate-level skills, techniques, strategies, along with rules and etiquette. Students may enroll a maximum of four times in any tennis or competitive tennis courses.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 148C - Tennis III (0.50 - 1.00)

Development of playing and competitive skills for the benefits of lifetime participation in the sport of tennis. Instruction in intermediate/advanced-level skills, techniques, strategies, along with rules and etiquette. Students may enroll a maximum of four times in any tennis or competitive tennis courses.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 148D - Tennis IV (0.50 - 1.00)

Development of playing and competitive skills for the benefits of lifetime participation in the sport of tennis. Instruction in advanced-level skills, techniques, strategies, along with rules and etiquette. Students may enroll a maximum of four times in any tennis or competitive tennis courses.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 159A - Karate I (0.50 - 1.00)

Practice in the beginning-level skills of unarmed self-defense. Instruction in skills including blocking, shifting, punching, striking and kicking techniques. Exercises that promote muscular control, speed of movement and mental alertness will be emphasized.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 159B - Karate II (0.50 - 1.00)

Practice in the intermediate-level skills of unarmed self-defense. Instruction in the skills including blocking, shifting, punching, striking and kicking techniques. Exercises that promote muscular control, speed of movement and mental alertness will be emphasized.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 159C - Karate III (0.50 - 1.00)

Practice in the intermediate/advanced-level skills of unarmed self-defense. Instruction in the skills including blocking, shifting, punching, striking, and kicking techniques. Exercises that promote muscular control, speed of movement and mental alertness will be emphasized.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 159D - Karate IV (0.50 - 1.00)

Practice in the advanced-level skills of unarmed self-defense. Instruction in the skills including blocking, shifting, punching, striking and kicking techniques. Exercises that promote muscular control, speed of movement and mental alertness will be emphasized.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 164A - Swimming I (0.50 - 1.00)

Instruction of beginning-level swimming skills and techniques for individuals of all ages and fitness levels. Comprehensive study of the history of swimming, introduction to swimming strokes, and basic water safety. Development of cardiovascular fitness through swimming activities.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 164B - Swimming II (0.50 - 1.00)

Instruction of intermediate-level swimming skills and techniques for students with basic swimming knowledge and abilities. Comprehensive study of the history of swimming, swimming strokes, and basic water safety. Further development of cardiovascular fitness through swimming activities.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 164C - Swimming III (0.50 - 1.00)

Instruction of intermediate/advanced swimming skills and techniques for students with intermediate swimming knowledge and abilities. Comprehensive study of the history of swimming, swimming strokes, and basic water safety. Further development of cardiovascular fitness through swimming activities.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 164D - Swimming IV (0.50 - 1.00)

Instruction of advanced swimming skills and techniques for students with advanced swimming knowledge and abilities. Comprehensive study of the history of swimming, swimming strokes, and basic water safety. Further development of cardiovascular fitness through swimming activities.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 179A - Team Sports I (0.50 - 1.00)

Development of the playing skills for the benefit of lifetime participation in a variety of team sports. Instruction in rules and beginning-level skills, techniques, and strategies. The specific sport for each class will be announced in the class schedule.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 179B - Team Sports II (0.50 - 1.00)

Development of the playing skills for the benefit of lifetime participation in a variety of team sports. Instruction in rules and intermediate-level skills, techniques, and strategies. The specific sport for each class will be announced in the class schedule.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 179C - Team Sports III (0.50 - 1.00)

Development of the playing skills for the benefit of lifetime participation in a variety of team sports. Instruction in rules and intermediate/advanced-level skills, techniques and strategies. The specific sport for each class will be announced in the class schedule.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 179D - Team Sports IV (0.50 - 1.00)

Development of the playing skills for the benefit of lifetime participation in a variety of team sports. Instruction in rules and advanced-level skills, techniques, and strategies. The specific sport for each class will be announced in the class schedule.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 193A - Softball I (0.50 - 1.00)

Instruction in the beginning-level skills, techniques, strategies, and rules of the sport of softball. Emphasis on improvement of overall fitness and development of life-long behavioral skills.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 193B - Softball II (0.50 - 1.00)

Instruction in the intermediate-level skills, techniques, strategies, and rules of the sport of softball. Emphasis on improvement of overall fitness and development of life-long behavioral skills.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 193C - Softball III (0.50 - 1.00)

Instruction in the intermediate/advanced-level skills, techniques, strategies, and rules of the sport of softball. Emphasis on improvement of overall fitness and development of life-long behavioral skills.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 193D - Softball IV (0.50 - 1.00)

Instruction in the advanced-level skills, techniques, strategies, and rules of the sport of softball. Emphasis on improvement of overall fitness and development of life-long behavioral skills.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 248A - Competitive Tennis I (0.50 - 1.00)

Performance-based course designed for students who have the desire to advance their tennis game to a beginning/intermediate competitive level. Development of the psychological and performance skills associated with competitive tennis. Students may enroll a maximum of four times in any tennis or competitive tennis courses.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Departmental Recommendation: Competitive tennis experience in high school and/or USTA league/tournament play or play at a level that will support beginning/intermediate competitive play.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/S 248B - Competitive Tennis II (0.50 - 1.00)

Performance-based course designed for students who have the desire to advance their tennis game to an intermediate/advanced competitive level. Development of the psychological and performance skills associated with competitive tennis. Students may enroll a maximum of four times in any tennis or competitive tennis courses.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 24-48 hours per semester.

Departmental Recommendation: Competitive tennis experience in high school and/or USTA league/tournament play or play at a level that will support intermediate/advanced competitive play.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KIN/X - Kinesiology (Athletics)**KINX 150AX3 - Intercollegiate Golf - Women In-Season (3.00)**

Instruction and training in the techniques, strategies, conditioning and teamwork required for intercollegiate golf competition. This course is intended for members of the Women's Intercollegiate Golf team. Limitation on enrollment: enrollment is based on a success tryout.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 144 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KINX 150BX3 - Intercollegiate Golf - Women Off-Season Athletics (2.00)

Off-season sports conditioning in preparation for intercollegiate athletic participation for female golfers. Sport specific training with the goal of addressing individual needs, growth and development. Limitation on enrollment: enrollment is based on a successful tryout.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 96 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KINX 151AX3 - Intercollegiate Golf - Men In-Season (3.00)

Instruction and training in the techniques, strategies, conditioning and teamwork required for intercollegiate golf competition. This course is intended for members of the Men's Intercollegiate Golf team. Limitation on enrollment: enrollment is based on a successful tryout.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 144 hours per semester.

Applicable: CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KINX 151BX3 - Intercollegiate Golf - Men Off-Season (2.00)

Off-season sports conditioning in preparation for intercollegiate athletic participation for male golfers. Sport specific training with the goal of addressing individual needs, growth and development. Limitation on enrollment: enrollment is based on a successful tryout.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 96 hours per semester.

Applicable: CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KINX 160AX3 - Intercollegiate Tennis - Women In-Season (3.00)

Instruction and training in the techniques, strategies, conditioning and teamwork required for intercollegiate tennis competition. This course is intended for members of the Women's Intercollegiate Tennis team. Limitation on enrollment: enrollment is based on a successful tryout.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 144 hours per semester.

Applicable: CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KINX 160BX3 - Intercollegiate Tennis - Women Off-Season (2.00)

Off-season sports conditioning in preparation for intercollegiate athletic participation for female tennis players. Sport specific training with the goal of addressing individual needs, growth and development. Limitation on enrollment: enrollment is based on a successful tryout.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 96 hours per semester.

Applicable: CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KINX 161AX3 - Intercollegiate Tennis - Men In-Season (3.00)

Instruction and training in the techniques, strategies, conditioning and teamwork required for intercollegiate tennis competition. This course is

intended for members of the Men's Intercollegiate Tennis team. Limitation on enrollment: enrollment is based on a successful tryout.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 144 hours per semester.

Applicable: CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KINX 161BX3 - Intercollegiate Tennis - Men Off-Season (2.00)

Off-season sports conditioning in preparation for intercollegiate athletic participation for male tennis players. Sport specific training with the goal of addressing individual needs, growth and development. Limitation on enrollment: enrollment is based on a successful tryout.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 96 hours per semester.

Applicable: CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KINX 170AX3 - Intercollegiate Swimming - Women In-Season Athletics (3.00)

Instruction and training in the techniques, strategies, conditioning, and teamwork required for intercollegiate swim competition. This course is intended for members of the Women's Intercollegiate Swim team. Limitation on enrollment: enrollment is based on a successful tryout.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 144 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KINX 170BX3 - Intercollegiate Swimming - Women Off-Season Athletics (2.00)

Off-season sports conditioning in preparation for intercollegiate athletic participation for female swimmers. Sport specific training with the goal of addressing individual needs, growth and development. Limitation on enrollment: enrollment is based on a successful tryout.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 96 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KINX 171AX3 - Intercollegiate Swimming - Men In-Season Athletics (3.00)

Instruction and training in the techniques, strategies, conditioning, and teamwork required for intercollegiate swim competition. This course is

intended for members of the Men's Intercollegiate Swim team. Limitation on enrollment: enrollment is based on a successful tryout.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 144 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

KINX 170BX3 - Intercollegiate Swimming - Men Off-Season Athletics (2.00)

Off-season sports conditioning in preparation for intercollegiate athletic participation for male swimmers. Sport specific training with the goal of addressing individual needs, growth and development. Limitation on enrollment: enrollment is based on a successful tryout.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 96 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*A maximum of 4 units of activity courses will transfer to the UC. Some CSU campuses set limits.

LIBR - Library Science

LIBR 100 - Introduction to Library Research and Information Competency (3.00)

An introduction to information competency and development of skills necessary to perform academic and personal research using library resources, electronic databases and the Internet. Includes guidance through the process of selecting, analyzing and citing various information sources and application of the research process to a variety of information needs: term papers, coursework, careers, and lifelong learning. This course will prepare students for college-level research in all disciplines.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*LIBR 100 and 110 combined: maximum UC credit, one course

LIBR 110 - Information Literacy (1.00)

An introduction to the dynamics of information literacy and research skills. Students will be introduced to the skills necessary to perform academic and personal inquiries by using a wide variety of information resources to find, analyze, organize and present information in a legal and ethical manner. Includes the procedures for locating, selecting, analyzing and citing various information needs, e.g., term papers, coursework, careers, and lifelong learning. This course will prepare students for college-level research in all disciplines.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*LIBR 100 and 110 combined: maximum UC credit, one course

LRC - Learning Resources

LRC 090 - College Study Skills and Strategies (1.00 - 3.00)

Comprehensive learning and academic strategies to assist students in developing an understanding of learning theories and academic principles, concepts, and strategies. Practical application with the goal of achieving or maximizing academic success. Topics include goal setting, commitment and motivation, time management, learning styles, memory and concentration, study-reading techniques, critical thinking, listening skills, note-taking and test-taking.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16-48 hours per semester.

Applicable: Associate Degree Applicable.

LRC 099 - Learning Community Seminar (1.00)

Learning community seminar addressing the learning community goals, connections between courses, and students' reflection on their cognitive development within the learning community.

Prerequisite: None.

Corequisite: Concurrent enrollment in a Crafton Hills College Learning Community.

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

LRC 900X8 - Supervised Tutoring (0.00)

Provides academic support services to students enabling them to succeed in various content area classes, such as English, math, and foreign language, and vocational courses. Activities may include supervised individual or group tutorial services, computer assisted instruction, video viewing and testing to augment direct instruction and to facilitate student learning. Designed to meet the needs of students from various educational preparations, ethnic backgrounds, cultures, and socioeconomic levels. Graded on a Pass or No Pass basis only.

Prerequisite: None.

Corequisite: Enrollment in at least one other course at Crafton Hills College.

Offered: (Fa,Sp,Sm).

Lab: Minimum 1 hour per semester.

Applicable: Not Associate Degree Applicable.

LRC 941 - Basic Math Skills (4.00)

Remediation and intervention strategies for students who have verified learning disabilities. Strategies for reading a mathematics text, coping with math anxiety, solving math word problems, and preparing for and taking math tests.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Lab: Minimum 96 hours per semester.

Departmental Recommendation: Eligibility for services provided by Disabled Students Programs and Services (DSPS).

Applicable: Not Associate Degree Applicable.

LRC 960 - Developmental Study Techniques (0.50 - 2.00)

This course provides participation in programs individually designed to assist students in their mastery of basic study techniques necessary for successful achievement in college courses. Some topics that may be addressed are note-taking, test preparation, textbook reading, and time management.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lab: Minimum 24-96 hours per semester.

Departmental Recommendation: Eligibility for services provided by Disabled Students Programs and Services (DSPS).

Applicable: Not Associate Degree Applicable.

MARKET - Marketing

MARKET 100 - Marketing Principles (3.00)

Principles and methods of marketing, as practiced by successfully managed business firms. Topics include demand analysis, forecasting, product development, price determination, distribution channels, material handling, advertising, and personal selling.

Prerequisite: None.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: CSU, Associate Degree Applicable.

MARKET 106 - Retail Management (3.00)

Principles and practices used in the management of retail stores. Includes site selection, layout, organization, staffing, positioning, customer service, promotional techniques and all aspects of the critical buying function.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: Associate Degree Applicable.

MARKET 110 - Advertising (3.00)

Principles, purposes, and practices of advertising; analysis of the channels of trade, the importance of the correct appeal, style, trademarks, headlines, typography, color, layout, ethics, and other problems involved in effective advertising. No artistic ability required.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: CSU, Associate Degree Applicable.

MARKET 248A - Special Studies Marketing (3.00)

Independent projects for students with a special interest in marketing, emphasizing internship and work-based training opportunities. Projects to be determined jointly by the student and the instructor prior to registration.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 144 hours per semester.

Departmental Recommendation: Successful completion of BUSAD 100 and MARKET 100.

Applicable: CSU, Associate Degree Applicable.

MARKET 248B - Special Studies Marketing (3.00)

Independent projects for students with a special interest in marketing, emphasizing internship and work-based training opportunities. Projects to be determined jointly by the student and the instructor prior to registration.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 144 hours per semester.

Departmental Recommendation: Successful completion of BUSAD 100 and MARKET 100.

Applicable: CSU, Associate Degree Applicable.

MARKET 248C - Special Studies Marketing (3.00)

Independent projects for students with a special interest in marketing, emphasizing internship and work-based training opportunities. Projects to be determined jointly by the student and the instructor prior to registration.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 144 hours per semester.

Departmental Recommendation: Successful completion of BUSAD 100 and MARKET 100.

Applicable: CSU, Associate Degree Applicable.

MARKET 248D - Special Studies Marketing (3.00)

Independent projects for students with a special interest in marketing, emphasizing internship and work-based training opportunities. Projects to be determined jointly by the student and the instructor prior to registration.

Prerequisite: None.

Corequisite: None.

Independent Study: Minimum 144 hours per semester.

Departmental Recommendation: Successful completion of BUSAD 100 and MARKET 100.

Applicable: CSU, Associate Degree Applicable.

MATH - Mathematics

MATH 903 - Math Support Lab (0.50 - 1.00)

Support materials related to the linked math course. Development of math specific study skills, strategies to overcome math avoidance and math anxiety. These skills will be practiced in the linked math lecture course. Graded on a Pass or No Pass basis only. Not degree applicable.

Prerequisite: None.

Corequisite: Current enrollment in MATH 942, MATH 952, MATH 962, MATH 090, MATH 095, MATH 102, MATH 103, or MATH 110.

Offered: (Fa,Sp,Sm).

Lab: Minimum 24-48 hours per semester.

Applicable: Not Associate Degree Applicable.

MATH 942 - Arithmetic (4.00)

The study of the fundamental operations involving whole numbers, fractions, and decimals.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: Not Associate Degree Applicable.

MATH 943 - Arithmetic Topics (0.25 - 1.00)

Fundamental operations involving whole numbers, fractions, or decimals, as determined by diagnostic information. Graded on a Pass or No Pass basis only.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lab: Minimum 12-48 hours per semester.

Applicable: Not Associate Degree Applicable.

MATH 952 - Prealgebra (4.00)

This course prepares students for elementary algebra, MATH 090, covering operations with signed numbers, solving single variable linear equations, combining like terms, ratios, proportions, percents and their applications, perimeter, area, and volume of common geometric figures. Fractions and decimals are reviewed throughout the course.

Prerequisite: MATH 942, MATH 943, or eligibility for MATH 952 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 64 hours per semester.

Applicable: Not Associate Degree Applicable.

MATH 952L - Prealgebra Laboratory (0.50 - 1.00)

Projects and additional materials to enhance the understanding of Prealgebra content, integrated math study skills specific to MATH 952, strategies to overcome math avoidance, and approaches to reduce math anxiety. Graded on a Pass or No Pass basis only. Not degree applicable.

Prerequisite: None.

Corequisite: MATH 952.

Offered: (Fa,Sp,Sm).

Lab: Minimum 24-48 hours per semester.

Applicable: Not Associate Degree Applicable.

MATH 953 - Review of Selected Prealgebra Topics (0.25 - 1.00)

Selected prealgebra topics including review of arithmetic operation, operations with signed rational numbers, solving one and two step single variable linear equations, combining like terms, percents, perimeter, area and volume of common geometric figures, right triangles and Pythagorean Theorem. Open entry, open exit course. Graded on a Pass or No Pass basis only.

Prerequisite: MATH 942, MATH 943 or eligibility for MATH 952 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lab: Minimum 12-48 hours per semester.

Applicable: Not Associate Degree Applicable.

MATH 962 - Arithmetic and Prealgebra (5.00)

This course prepares students for elementary algebra, MATH 090, covering arithmetic operations with rational numbers, with an emphasis on operations with signed numbers, solving single variable linear equations, combining like term ratios, proportions, percents and their applications, perimeter, area, and volume of common geometric figures.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 80 hours per semester.

Applicable: Not Associate Degree Applicable.

MATH 990L - Elementary Algebra Laboratory (0.50 - 1.00)

Projects and additional materials to enhance the understanding of Elementary Algebra content, integrated math study skills specific to MATH 090, Elementary Algebra with an emphasis the differences in strategies from those for MATH 952, strategies to overcome math avoidance, and approaches to reduce math anxiety. Graded on a Pass or No Pass basis only. Not degree applicable.

Prerequisite: None.

Corequisite: MATH 090.

Offered: (Fa,Sp,Sm).

Lab: Minimum 24-48 hours per semester.

Applicable: Not Associate Degree Applicable.

MATH 995L - Intermediate Algebra Laboratory (0.50 - 1.00)

Applications of study skills and topics, individual assistance to supplement MATH 095 instruction. Graded on a Pass/No Pass basis only. Not degree applicable.

Prerequisite: None.

Corequisite: MATH 095.

Offered: (Fa,Sp,Sm).

Lab: Minimum 24-48 hours per semester.

Applicable: Not Associate Degree Applicable.

MATH 085 - Pre-Statistics (6.00)

This is an intensive course which introduces core concepts from arithmetic, pre-algebra, elementary and intermediate algebra, and descriptive statistics that prepares students for transfer-level statistics. Topics include numerical information, evaluating expressions relating to statistical formulas, graphical and numerical descriptive statistics for quantitative and categorical data, including two-way tables and linear regression, and an introduction to the normal distribution.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 96 hours per semester.

Applicable: Associate Degree Applicable.

MATH 090 - Elementary Algebra (4.00)

Operations with algebraic expressions emphasizing polynomials. The algebra of integer exponents, the solution of first degree and literal equations, methods of factoring, an introduction to the solution of quadratic equations by factoring, graphing linear equations, systems of first degree equations in two variables, and introduction to rational expressions. Applications of these topics are included.

Prerequisite: MATH 952, MATH 953, MATH 962 or eligibility for MATH 090 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 64 hours per semester.

Applicable: Associate Degree Applicable.

MATH 095 - Intermediate Algebra (4.00)

Study of rational exponents and radicals; quadratic, absolute value, rational and radical equations; complex numbers; absolute value inequalities; operations with functions; introduction to exponential and logarithmic functions; graphs of the basic functions and their translations.

Prerequisite: MATH 090 or eligibility for MATH 095 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 64 hours per semester.

Applicable: Associate Degree Applicable.

MATH 102 - College Algebra (4.00)

Study of logarithms, sequences, series, the Binomial Theorem, graphing conic sections, inverse functions, operations with radicals, systems of quadratic equations, and solving systems of three or more linear equations in three or more variables by matrices, and determinants; introduction to graphing rational functions, and the theory of equations.

Prerequisite: MATH 095 or eligibility for MATH 102 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 64 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*MATH 102 and MATH 160 combined: maximum UC transferable credit, one course

MATH 103 - Plane Trigonometry (4.00)

Study of the circular functions, DeMoivre's Theorem and applications. Emphasis is placed on mastering trigonometric identities and the solution of trigonometric equations.

Prerequisite: MATH 095 or eligibility for MATH 103 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 64 hours per semester.

Applicable: CSU, Associate Degree Applicable.

MATH 106 - Mathematical Concepts for Elementary School Teachers - Number Systems (3.00)

This course focuses on the development of quantitative reasoning skills through in-depth, integrated explorations of topics in mathematics, including real number systems and subsystems. Emphasis is on comprehension and analysis of mathematical concepts and applications of logical reasoning. (C-ID MATH 120)

Prerequisite: MATH 095 or eligibility for MATH 106 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MATH 110 - Introduction to Probability and Statistics (4.00)

The use of probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making. An introduction to the mathematics involved in the statistical formulas. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-square and t-tests, and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Applications using data from disciplines including business, life science, physical science, health science, education, social sciences, and psychology. (C-ID MATH 110)

Prerequisite: MATH 095 or eligibility for MATH 110 as determined through the Crafton Hills College assessment process..

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 64 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*MATH 108, MATH 110, PSYCH 108, PSYCH 120 combined: maximum UC transferable credit, one course.

MATH 115 - The Ideas of Mathematics (3.00)

Sets, propositional logic, and the applications to topics from discrete mathematics including enumeration techniques and finite probability spaces, and basic statistics.

Prerequisite: MATH 095 or eligibility for MATH 115 as determined through the Crafton Hills College assessment process..

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MATH 117 - Computer Applications in Research (0.50 - 1.00)

Introduction to computer use as a research tool using the Statistical Package for the Social Sciences (SPSS) and Excel. Training will include variable and data entry, test selection and running statistical analyses. Additional preparation will include generating tables, diagrams, graphs, charts and final report presentation.

Prerequisite: None.

Corequisite: Previous or Concurrent enrollment in MATH 110 or PSYCH 120.

Offered: (Fa,Sp).

Lab: Minimum 24-48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

MATH 141 - Calculus for Business (4.00)

Concepts of function and limit, differentiation and integration of polynomial, rational, exponential, and logarithmic functions; partial derivatives; applications of calculus with an emphasis in business and economics. (C-ID MATH 140)

Prerequisite: Math 102 or eligibility for MATH 141 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 64 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*No UC Credit for MATH 141 if taken after MATH 250 or MATH 251

MATH 160 - Precalculus (4.00)

A preparation for calculus including the study of polynomials, trigonometric, logarithmic and exponential functions; inequalities; graphing techniques; sequences and series; conic sections; and the Binomial Theorem. An introduction to proofs and limits.

Prerequisite: MATH 103 or eligibility for MATH 160 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 64 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*MATH 102 and MATH 160 combined: maximum UC transferable credit, one course

MATH 200 - Discrete Structures (4.00)

Introduction to discrete mathematics with emphasis on applications to computer science. Topics include functions, relations, sets, logic, proof techniques, basics of counting, number theory, discrete probability, graphs and trees. This course is also offered as CSCI 200. (C-ID COMP 152)

Prerequisite: MATH 250 and CSCI 110.

Corequisite: None.

Also Offered As: CSCI 200.

Lecture: Minimum 64 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MATH 250 - Single Variable Calculus I (4.00)

Introduction to differential and integral calculus, including functions, limits, and continuity; techniques and applications of differentiation including derivatives of algebraic and transcendental functions, the chain rule, implicit differentiation, the Mean Value Theorem, curve sketching, extremum problems, and related rates; and an introduction to integration and The Fundamental Theorem of Calculus. (C-ID MATH 210, C-ID MATH 900S part 1 of 2)

Prerequisite: MATH 160 or eligibility for MATH 250 as determined through the Crafton Hills College assessment process or MATH 102 with a grade of A and MATH 103 with a grade of A or B or MATH 102 with a grade of B and MATH 103 with a grade of A.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 64 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MATH 251 - Single Variable Calculus II (4.00)

Methods of integration, applications of the integrals, improper integrals, conic sections, parametric equations, infinite series, and polar coordinates. (C-ID MATH 220, C-ID MATH 900S, part 2 of 2)

Prerequisite: MATH 250 or eligibility for MATH 251 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 64 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MATH 252 - Multivariable Calculus (5.00)

Study of vectors and solid analytic geometry, functions of several variables, partial derivatives, multiple integrals, and line and surface integrals. Green's Theorem, Divergence Theorem, Stokes' Theorem. (C-ID MATH 230)

Prerequisite: MATH 251 or eligibility for MATH 252 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 80 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MATH 255 - Computer-Based Problems for Calculus (1.00 - 2.00)

Introduction to the use of a computer algebra system, such as, but not limited to, Mathematics, Maple, or Matlab, to explore applications in differential and integral calculus. Projects include 2-D and 3-D graphs, animations, data manipulation, and introduction to basic programming structures.

Prerequisite: Concurrent enrollment or successful completion of MATH 250, or eligibility for MATH 251 as determined by the Crafton Hills College assessment process.

Corequisite: None.

Lecture: Minimum 8-16 hours per semester.

Lab: Minimum 24-48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

MATH 265 - Linear Algebra (4.00)

An introduction to linear algebra that complements advanced courses in calculus. Topics include systems of linear equations, matrix algebra and its operations, Gaussian elimination, determinants, vectors and vector spaces in two or more dimensions, inner product spaces, norms, orthogonality, linear transformations, eigenvalues and eigenvectors. (C-ID MATH 250)

Prerequisite: MATH 250 or eligibility for MATH 265 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 64 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MATH 266 - Introduction to Ordinary Differential Equations (4.00)

An introduction to ordinary differential equations including both quantitative and qualitative methods as well as applications from a variety of disciplines. Introduces the theoretical aspects of differential equations, including establishing when solutions(s) exist, and techniques for obtaining solutions, including series solutions and singular points, Laplace Transforms and linear systems. (Formerly MATH 254).

Prerequisite: MATH 251 or eligibility for MATH 266 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 64 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MATH/N - Mathematics (Noncredit)

MATH/N 605 - Math Skills for the Workplace (NC)

This short-term vocational education course is designed to provide students with the basic math skills required to succeed in the workplace. The course reviews topics of mathematical properties, including the fundamental operations of whole numbers, integers, fractions, decimals, ratios, proportions, percent and measurement. Topics also include exponential notation, linear equations, variables, and the appropriate operation rules for rational numbers, whole numbers and integers.

Lecture: Minimum 54 hours per semester.

Applicable: Certificate Applicable.

MICRO - Microbiology

MICRO 100 - Microbes and Society (3.00)

Students will learn about the microbiology of human disease through lecture, discussion, and independent projects. Topics will include historical plagues, more recent outbreaks, and ongoing endemic global diseases and potential bio-terror agents. Students will learn how scientists identify, study and control infectious agents and the complex ecological, social, political, and economic issues that must also be

considered. Other topics covered include the role of microbes in the production of food, common infectious disease in domestic pets and the socioeconomic significance of disease in livestock. The major goal of this course is to capture the interest of students by introducing them to the fascinating and crucial roles of microbes in everyday life including public health, environmental science, agriculture and biotechnology.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MICRO 102 - Introductory Microbiology (4.00)

Introduction to microbiology, emphasizing the general characteristic of microorganisms, principles of microbial growth, identification, control and the relationships between human beings and microbes. Special attention is given to infectious diseases. Recommended for students in health occupations. Surveys of bacteria, fungi, viruses and parasitic protozoans are included.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*MICRO 102 and MICRO 150 combined: Maximum UC credit, 5 units.

MICRO 150 - Medical Microbiology (5.00)

Study of microbiology and immunology, emphasizing the biology of microorganisms including bacteria, fungi, protozoans, helminths, and viruses. Introduces fundamental principles of medical microbiology including microbial cultivation, metabolism, genetics, growth and control. Pathogenesis and immunity to infectious diseases is covered. Principles of epidemiology, disease transmission and a survey of communicable diseases are also included.

Prerequisite: CHEM 101 or CHEM 150.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 96 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*MICRO 102 and MICRO 150 combined: Maximum UC credit, 5 units.

MICRO 247A - Special Problems in Microbiology (2.00)

Independent projects for selected students with a special interest in microbiology, involving library research and/or laboratory projects. Students may enroll a maximum of four times in special problems coursework.

Prerequisite: MICRO 102 or MICRO 150.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Independent Study: Minimum 96 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

MICRO 247B - Special Problems in Microbiology (2.00)

Independent projects for selected students with a special interest in microbiology, involving library research and/or laboratory projects. Students may enroll a maximum of four times in special problems coursework.

Prerequisite: MICRO 102 or MICRO 150.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Independent Study: Minimum 96 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

MICRO 247C - Special Problems in Microbiology (2.00)

Independent projects for selected students with a special interest in microbiology, involving library research and/or laboratory projects. Students may enroll a maximum of four times in special problems coursework.

Prerequisite: MICRO 102 or MICRO 150.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Independent Study: Minimum 96 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

MICRO 247D - Special Problems in Microbiology (2.00)

Independent projects for selected students with a special interest in microbiology, involving library research and/or laboratory projects. Students may enroll a maximum of four times in special problems coursework.

Prerequisite: MICRO 102 or MICRO 150.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Independent Study: Minimum 96 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

MICRO 248A - Special Problems in Microbiology (3.00)

Independent projects for selected students with a special interest in microbiology, involving library research and/or laboratory projects. Students may enroll a maximum of four times in special problems coursework.

Prerequisite: MICRO 102 or MICRO 150.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Independent Study: Minimum 144 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

MICRO 248B - Special Problems in Microbiology (3.00)

Independent projects for selected students with a special interest in microbiology, involving library research and/or laboratory projects. Students may enroll a maximum of four times in special problems coursework.

Prerequisite: MICRO 102 or MICRO 150.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Independent Study: Minimum 144 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

MICRO 248C - Special Problems in Microbiology (3.00)

Independent projects for selected students with a special interest in microbiology, involving library research and/or laboratory projects. Students may enroll a maximum of four times in special problems coursework.

Prerequisite: MICRO 102 or MICRO 150.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Independent Study: Minimum 144 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

MICRO 248D - Special Problems in Microbiology (3.00)

Independent projects for selected students with a special interest in microbiology, involving library research and/or laboratory projects. Students may enroll a maximum of four times in special problems coursework.

Prerequisite: MICRO 102 or MICRO 150.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Independent Study: Minimum 144 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

MUSIC - Music**MUSIC 100 - Fundamental Skills in Music (3.00)**

An introduction to the elements of music, including study of the staff, clefs, key signatures, scales, time signatures, notation, meter and rhythm, chords, basic song writing techniques, and application of theory at the keyboard. (C-ID MUS 110)

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 101 - Music Theory I (4.00)

This course, through guided composition and analysis, incorporates the following concepts: rhythm and meter; basic properties of sound; intervals; diatonic scales and triads; diatonic chords, basic cadential formulas and phrase structure; dominant seventh; figured bass symbols; and non-harmonic tones. Development of skills in handwritten notation is expected.

The lab portion of this course applies and develops the rhythmic, melodic, and harmonic materials of Music Theory I through ear training, sight singing, analysis, and dictation. (C-ID MUS 120 and MUS 125)

Prerequisite: None.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 102 - Music Theory II (4.00)

This course incorporates the concepts from Music Theory I. In addition, through guided composition and analysis, the course will include: an introduction to two-part counterpoint; voice leading involving four-part chorale writing; diatonic harmony; and an introduction to secondary/applied chords and modulation.

The lab portion of this course applies and develops the rhythmic, melodic, and harmonic materials of Music Theory II through ear training, sight singing, analysis, and dictation. (C-ID MUS 130 and MUS 135)

Prerequisite: MUSIC 101.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 103 - Appreciation of American Popular Music (3.00)

History of American popular music with an emphasis on the music of the current and past century.

Prerequisite: None.

Corequisite: None.

Also Offered As: MUSIC 103H.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 103H - Appreciation of American Popular Music-Honors (3.00)

History of American popular music with an emphasis on the music of the current and past century. This course includes content and experiences appropriate for students wishing to earn honors credit.

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: MUSIC 103.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 120 - Appreciation of Musical Literature (3.00)

Introduction to Western musical literature. This course is designed to develop an understanding of music and musicians in a societal and historical context. (C-ID MUS 100)

Prerequisite: None.

Corequisite: None.

Also Offered As: MUSIC 120H.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 120H - Appreciation of Musical Literature- Honors (3.00)

Introduction to musical literature. This course is designed to develop an understanding of music and musicians in a societal and historical context. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID MUS 100)

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: MUSIC 120.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 132 - Guitar I (2.00)

Progressive study of the basic techniques of playing the guitar. First in a series of four courses designed to develop guitar proficiency. Beginning instruction in chords, arpeggios, scales, improvisation, sight reading, and performance of many styles, including popular, folk, and classical. Students must provide their own instruments.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 16 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of MUSIC 100.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 133 - Guitar II (2.00)

Progressive study of the basic techniques of playing guitar. Second in a series of four courses designed to develop guitar proficiency. Intermediate instruction in chords, arpeggios, scales, improvisation, sight reading, and performance of many styles, including popular, folk, and classical. Students must provide their own instruments.

Prerequisite: MUSIC 132.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 16 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 134 - Jazz History (3.00)

Historical survey of Jazz music and musicians. Study of the birth and evolution of jazz as an American musical art form, the key historical figures in Jazz, and the major components of Jazz music.

Prerequisite: None.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 135 - Piano I (2.00)

Class instruction in piano, including scale techniques, reading, basic literature, keyboard techniques, and musicianship skills. First in a series of four courses designed to develop piano proficiency.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 16 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of MUSIC 100.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 136 - Piano II (2.00)

Class instruction in piano, including scale techniques, reading, intermediate literature, and musicianship skills. Second in a series of four courses designed to develop piano proficiency.

Prerequisite: MUSIC 135.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 16 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 141X4 - Applied Music (0.50)

Applied instrumental, vocal, or composition lessons with an approved off-campus instructor. Students are responsible for the cost of private instruction. Students must perform in assessment juries. Instrumental students must provide their own instruments. This course may be taken four times.

Students enrolled in MUSIC 141X4 must contact the music program faculty the first week of class. (C-ID MUS 160)

Prerequisite: Placement auditions are held during the first class meeting.

Corequisite: None.

Offered: (Fa,Sp).

Lab: Minimum 24 hours per semester.

Departmental Recommendation: Successful completion of MUSIC 100 or equivalent.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 150X4 - Concert Choir (1.00)

Study and performance of choral literature. Foundational techniques in such aspects of choral music as breathing, tone production, enunciation, and musicianship. This course may be taken four times. (C-ID MUS 180)

Prerequisite: Placement auditions are held during the first class meeting.

Corequisite: None.

Offered: (Fa,Sp).

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 152X4 - Concert Choir II (2.00)

Advanced study and performance of choral literature. Foundational techniques in such aspects of choral music as breathing, tone production, enunciation, and musicianship. This course may be taken four times.

Prerequisite: Successful completion of four semesters of MUSIC 150X4.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 164X4 - Concert Band (2.00)

Rehearsal and performance of concert band literature. This course may be taken four times. (C-ID MUS 180)

Prerequisite: Intermediate or higher performance level on traditional band instrument as determined by audition.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 174X4 - Jazz Band (1.00)

Study and performance of Jazz literature, style, and interpretation. Open to instrumentalists and vocalists. Performance required. This course may be taken four times. (C-ID MUS 180)

Prerequisite: Placement auditions are held during the first class meeting.

Corequisite: None.

Offered: (Fa,Sp).

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 175X4 - Jazz Band II (2.00)

Continued study and performance of Jazz literature, style, and interpretation. Advanced performance level; performance required. This course may be taken four times.

Prerequisite: Successful completion of four semesters of MUSIC 174X4.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 179X4 - Contemporary Ensemble (2.00)

Study and performance of Contemporary Classical literature, style, and interpretation. Open to instrumentalists and vocalists. Performance required. This course may be taken four times.

Prerequisite: None.

Corequisite: None.

Lab: Minimum 96 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 180X4 - Musical Theatre Workshop (2.00)

Rehearsal and performance of musical theatre productions.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 190 - Songwriting and Composition (3.00)

Techniques in songwriting and comprehension for different mediums in different styles utilizing practical tools required for writing and composing music.

Prerequisite: None.

Offered: (Fa).

Lecture: Minimum 32 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: MUSIC 100 or music reading ability (chord chart, notation, tab, etc.) or instrument or voice proficiency.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 195 - Music Technology and Recording (4.00)

Practical study of electronic music and electronic recording methods. Topics will include electronic music, analog and digital recording, field and studio recording, audio editing, microphones, multi-track recording and processing, and open source software. Students must provide their own laptop.

Prerequisite: None.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

MUSIC 201 - Music Theory III (4.00)

Progressive study of music theory including work in sight singing, dictation, rhythm, scales, intervals, key signatures, and harmonic techniques from the Common Practice Era to Serialism. Music Theory III includes detailed study of form, modulation, modal harmony, and extended compositional techniques.

Prerequisite: MUSIC 102.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 202 - Music Theory IV (4.00)

Progressive study of music theory including work in sight singing, dictation, rhythm, scales, intervals, key signatures, and harmonic techniques from the Common Practice Era to Serialism. Music Theory IV includes detailed study of 20th Century theory and compositional techniques. (C-ID MUS 150)

Prerequisite: MUSIC 201.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 232 - Guitar III (2.00)

Progressive study of the intermediate techniques of playing the guitar. Third in a series of four courses designed to develop guitar proficiency. Advanced instruction in chords, arpeggios, scales, improvisation, sight reading, and performance of many styles, including popular, folk, and classical. Students must provide their own instruments.

Prerequisite: MUSIC 133.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 233 - Guitar IV (2.00)

Progressive study of the intermediate techniques of playing the guitar. Fourth in a series of four courses designed to develop guitar proficiency. Advanced instruction in chords, arpeggios, scales, improvisation, sight reading, and performance of many styles, including popular, folk, and classical. Students must provide their own instruments.

Prerequisite: MUSIC 232.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 235 - Piano III (2.00)

Class instruction in piano, including scale techniques, reading, intermediate literature, and musicianship skills. Third in a series of four courses designed to develop piano proficiency.

Prerequisite: MUSIC 136.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 236 - Piano IV (2.00)

Class instruction in piano, including scale techniques, reading, intermediate literature, and musicianship skills. Fourth in a series of four courses designed to develop piano proficiency.

Prerequisite: MUSIC 235.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

MUSIC 247A - Special Projects in Music (1.00 - 3.00)

Independent study for advanced students in any area of music with projects determined jointly by student and instructor. Requires faculty approval prior to registration and a contract outlining the goals and content of the project(s) to be undertaken.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Independent Study: Minimum 48-144 hours per semester.

Departmental Recommendation: Successful completion of or concurrent enrollment in MUSIC 101.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

MUSIC 247B - Special Projects in Music (1.00 - 3.00)

Independent study for advanced students in any area of music with projects determined jointly by student and instructor. Requires faculty approval prior to registration and a contract outlining the goals and content of the project(s) to be undertaken.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Independent Study: Minimum 48-144 hours per semester.

Departmental Recommendation: Successful completion of or concurrent enrollment in MUSIC 101.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

MUSIC 247C - Special Projects in Music (1.00 - 3.00)

Independent study for advanced students in any area of music with projects determined jointly by student and instructor. Requires faculty approval prior to registration and a contract outlining the goals and content of the project(s) to be undertaken.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Independent Study: Minimum 48-144 hours per semester.

Departmental Recommendation: Successful completion of or concurrent enrollment in MUSIC 101.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

MUSIC 247D - Special Projects in Music (1.00 - 3.00)

Independent study for advanced students in any area of music with projects determined jointly by student and instructor. Requires faculty approval prior to registration and a contract outlining the goals and content of the project(s) to be undertaken.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Independent Study: Minimum 48-144 hours per semester.

Departmental Recommendation: Successful completion of or concurrent enrollment in MUSIC 101.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

OCEAN - Oceanography

OCEAN 100 - Investigations in Oceanography (4.00)

Study of the oceans and seas, with an additional Geographic Information Systems (GIS) computer lab component. Includes geological and tectonic processes, bathymetry, chemistry, physics, and dynamic influences on oceans and seas. Covers in detail topics related to marine biology, and the relationships between marine communities and their physical environment, structures of the earth and sea floor, atmospheric wind and ocean circulation, waves, currents, tides, marine plants and animals, ecological concepts, and environmental concerns. Also covers tools of oceanographic inquiry including maps, remote sensing, Geographic Information Systems (GIS), Global Positioning Systems (GPS), and other data collection analysis and display methods.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Basic computer abilities including familiarity with windows operating systems.

Applicable: UC*, CSU, Associate Degree Applicable.

*OCEAN 100, OCEAN 101, and OCEAN 101H combined: maximum UC credit, one course.

OCEAN 101 - Elements of Oceanography (3.00)

Study of the basic principles of oceanography, including the structure of the Earth and sea floor, the physics and chemistry of the ocean, atmospheric and ocean circulation, waves, currents, tides, marine plants and animals, ecosystems, and environmental concerns. This class has a required field trip.

Prerequisite: None.

Corequisite: None.

Also Offered As: OCEAN 101H.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*OCEAN 100, OCEAN 101, and OCEAN 101H combined: maximum UC credit, one course.

OCEAN 101H - Elements of Oceanography-Honors (3.00)

Study of the basic principles of oceanography, including the structure of the Earth and sea floor, the physics and chemistry of the ocean, atmospheric and ocean circulation, waves, currents, tides, marine plants and animals, ecosystems, and environmental concerns. This class has a required field trip. This course includes content and experiences appropriate for students wishing to earn honors credit.

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: OCEAN 101.

Lecture: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*OCEAN 100, OCEAN 101, and OCEAN 101H combined: maximum UC credit, one course.

PBSF - Public Safety and Services

PBSF 100 - Disaster Basics (1.00)

Provides a basic knowledge of incident response and recovery operations, starting with the declaration process through the Joint Field Office (JFO) programs and management.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

PBSF 101 - The Emergency Manager: An Orientation to the Position (1.00)

This course covers the basics of emergency management and introduces the principles and tasks involved in emergency management.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

PBSF 102 - Principles of Emergency Management (1.00)

This course provides the student with the fundamental emergency management principles and provides opportunities for application of those principles.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

PBSF 103 - Emergency Planning (1.00)

This course is designed for emergency management personnel who are involved in developing an effective emergency planning system.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

PBSF 105 - Leadership and Influence (0.50)

Using leadership and influence effectively to lead your organization and the community in planning for, preventing, and responding to emergency situations and disasters.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 8 hours per semester.

Applicable: Associate Degree Applicable.

PBSF 110 - Effective Communication in Emergency Situations (1.00)

This course is designed to enhance the communication and interpersonal skills of local emergency managers, planners, and responders.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

PBSF 115 - Introduction to Hazard Mitigation (1.00)

Explores the various ways to reduce hazards to communities and their citizens.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

PBSF 116 - Introduction to Hazardous Materials (1.00)

This course is designed to provide interested members of the general public as well as individuals in emergency management systems with a basic introduction to hazardous materials.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

PBSF 118 - Company Officer H1 - Hazardous Materials Incident Commander (1.00)

Designed to provide the tools a person needs to assume control of an emergency response to a hazardous materials incident. It focuses on how to assess hazards, manage risk, comply with legal requirements and implement protective actions. Instructional methods include class activities, case studies and table top exercises with emphasis on hands-on decision-making. Certification through California Specialized Training Institute.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Departmental Recommendation: Successful completion of CSTI's Hazardous Materials First Responder Operations course and FIRET 506.

Applicable: Associate Degree Applicable.

PBSF 119 - Advanced Disaster Medical Response Provider (1.50)

Trains multidisciplinary medical response personnel in medical and public health disaster care, medical response to terrorism, weapons of mass destruction, specific injuries, environmental considerations, and special considerations such as care of dead victims and mental health.

Prerequisite: Medical certification of EMT-Basic or higher.

Corequisite: None.

Lecture: Minimum 24 hours per semester.

Applicable: Associate Degree Applicable.

PBSF 120 - Exercise Design (1.00)

This course is designed to introduce the student to the fundamentals of exercise design and to prepare them to design and conduct a small functional exercise.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

PBSF 121 - Introduction to Exercises (0.50)

Exercises give communities, states, and regions a set of essential tools to prevent, prepare for, respond to, and recover from disasters. This course introduces the basics of first responder exercises. It also builds a foundation for future courses that will provide the specifics for a comprehensive program of exercises.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 8 hours per semester.

Applicable: Associate Degree Applicable.

PBSF 122 - Exercise Evaluation and Improvement Planning (0.50)

An introduction to the basics of emergency management exercise evaluation and improvement planning. It also builds a foundation for exercise evaluation concepts as identified in the Homeland Security Exercise and Evaluation Program (HSEEP).

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 8 hours per semester.

Applicable: Associate Degree Applicable.

PBSF 125 - The Role of Voluntary Agencies in Emergency Management (1.00)

Increase your awareness of the roles and responsibilities of voluntary agencies in emergency management.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

PBSF 126 - Developing and Managing Volunteers (1.00)

This course is designed to assist the student in learning how to work with volunteers before, during, and after an emergency.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

PBSF 127 - Emergency Services: Decision Making and Problem Solving (3.00)

This course provides individuals involved in emergency services with improved decision making skills. Students learn how to identify a problem, as distinguished from its cause or symptoms: a model for problem solving and how to apply those skills.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

PBSF 130 - EOC Management and Operations (1.00)

This course will prepare Emergency Management Coordinators, senior officials, key Emergency Operations Center (EOC) personnel, and others to function more effectively in an Emergency Operations Center (EOC).

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

PBSF 140 - National Incident Management System-An Introduction (0.50)

This course will discuss the key concepts and principles of NIMS, and the national Response Framework and the benefits of using these systems for domestic incident response.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 8 hours per semester.

Applicable: Associate Degree Applicable.

PBSF 141 - Multi-Agency Coordination System (0.50)

To prepare students to function within a multi-agency coordination system.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 8 hours per semester.

Applicable: Associate Degree Applicable.

PBSF 142 - NIMS-Public Information Systems and Resource Management (0.50)

The public information systems described in NIMS are designed to effectively manage public information at an incident.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 8 hours per semester.

Applicable: Associate Degree Applicable.

PBSF 170 - Lifeguarding (3.00)

Knowledge and skills required for deep water lifeguarding, meeting the certificate requirements of the American Red Cross. This course is also offered as KIN 170.

Prerequisite: Must be age 15 or older. 300 meters of continuous swim: front crawl, breaststroke or a combination of both without stopping to rest. Tread water for 2 minutes. Timed event: swim 20 meters out to retrieve a 10 pound weight within 1 minute and 40 seconds. .

Corequisite: None.

Also Offered As: KIN 170.

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

PBSF 204 - Developing a Personal Philosophy of Leadership and Ethics (3.00)

This course will introduce the International Public Safety Leadership and Ethics Institute (IPSLEI) and its program in leadership and ethics. The course provides the student with a deeper understanding of self as it relates to leadership philosophies, knowledge, skills, and abilities for the exercise of effective and ethical leadership. Each student will study and explore the core values, ethics, decision making and begin to develop a personal philosophy of leadership. Through course presentations, dialogue, and learning activities, the student will identify leadership roles in the community as they relate to self, family, professional and social contexts. In addition the student will be able to define the difference between the exercise of leadership and management. The student will complete self assessments to gain insight into personal leadership style and characteristics and opportunity for growth. Readings, video and written case studies provide opportunity to further explore the exercise of leadership. The student will define and discuss personal responsibilities for the exercise of leadership in the context of critical incident management.

Prerequisite: None.

Corequisite: None.

Also Offered As: FIRET 204.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

PBSF 205 - Ethical Leadership in Organizations (3.00)

This course is the second in the continuing series of the International Public Safety Leadership and Ethics (IPSLEI) Institute program. The participants will explore the leadership process and the leader-follower relationship within organizational settings. Additionally, the influence of organizational culture, values, and contemporary societal issues on leadership effectiveness will be explored, as well as the concepts of organizational health, defenses and change. Students will also explore how a person exercising leadership moves the organization from vision to action. Case studies, video analyses, selected readings, and group activities will be used to help the participants further understand the theories and principles of organizational leadership.

Prerequisite: None.

Corequisite: None.

Also Offered As: FIRET 205.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

PBSF 206 - Leading Others Ethically (3.00)

This course is the third in the International Public Safety Leadership and Ethics Program (IPSLEI). This course is designed to provide the student with the knowledge, skills, and abilities to effectively and ethically lead others. The student will explore various aspects of exercising ethical leadership as they relate to team building, delegating, facilitating conflict resolution, coaching and mentoring. The student will also gain an understanding of communication processes, empowerment, and leading in an ever-changing and diverse environment. The student will explore various theories of leadership, including situational leadership, transformational leadership, net-centric, and servant leadership. Readings, case studies, video analysis, and other interactive learning processes provide opportunities to explore the dynamic relationships that develop during the exercise of leadership. The student will define and

practice applying skills for the exercise of leadership in the context of critical incident management.

Prerequisite: None.

Corequisite: None.

Also Offered As: FIRET 206.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

PBSF 207 - Ethics and the Challenge of Leadership (3.00)

This is the fourth and final course in the Program of the International Public Safety Leadership and Ethics Institute (IPSLEI). In this course the student will correlate personal core values and characteristics to complex ethical decisions and behaviors. In addition, the student will explore ethical and principle-centered leadership, including ethical systems, ethical dilemmas, and ethical decision-making models. The student will also examine challenges and develop strategies for exercising leadership in agency's serving diverse and dynamic communities. The student will learn with a variety of learning methodologies including case studies, video analyses, and critical thinking scenarios to explore ethics and the challenges of leadership.

Prerequisite: None.

Corequisite: None.

Also Offered As: FIRET 207.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

PHIL - Philosophy

PHIL 101 - Introduction to Philosophy (3.00)

Course is an introduction to the major ideas, methods and problems in philosophy, with attention directed to classical, modern and contemporary philosophy as a basis for discussing issues related to knowledge, reality, ethics, religion and political theory. (C-ID PHIL 100)

Prerequisite: ENGL 010 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Also Offered As: PHIL 101H.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

PHIL 101H - Introduction to Philosophy-Honors (3.00)

Course is an introduction to the major ideas, methods and problems in philosophy, with attention directed to classical, modern and contemporary philosophy as a basis for discussing issues related to knowledge, reality, ethics, religion and political theory. This course includes content and experiences appropriate for students wishing to earn honors credit.

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: PHIL 101.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

PHIL 103 - Introduction to Logic: Argument and Evidence (3.00)

Introduction to techniques of critical thought with an emphasis on deductive logic, including principles of valid reasoning, inductive reasoning, argument analysis and fallacies.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of ENGL 101 or ENGL 101H.

Applicable: UC, CSU, Associate Degree Applicable.

PHIL 105 - Introduction to Ethics: Moral Values in Today's Society (3.00)

Study of the history and application of moral philosophy that analyzes prominent ethical traditions and applies them to contemporary moral issues. Discussion of philosophical topics, including goodness, virtue, duty, obligation, utility and conscience and contemporary moral issues, including capital punishment; legalization of drugs; advances in medicine, science and technology; environmental issues; race and ethnicity; sex and marriage; reproductive technology and war. (C-ID PHIL 120)

Prerequisite: ENGL 010 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Also Offered As: PHIL 105H.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

PHIL 105H - Introduction to Ethics: Moral Values in Today's Society-Honors (3.00)

Study of the history and application of moral philosophy that analyzes prominent ethical traditions and applies them to contemporary moral issues. Discussion of philosophical topics, including goodness, virtue, duty, obligation, utility and conscience and contemporary moral issues, including capital punishment; legalization of drugs; advances in medicine, science and technology; environmental issues; race and ethnicity; sex and marriage; reproduction technology and war. (C-ID PHIL 120)

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: PHIL 105.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

PHIL 107 - Social and Political Philosophy (3.00)

The course examines classic and contemporary ideas and principles that establish, justify and determine societies' political rights and responsibilities.

Prerequisite: Eligibility for ENGL 101 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

PHIL 109 - Philosophy of Religion (3.00)

Course examines religion and religious belief from a rational, critical and philosophical perspective. Central topics include the nature of God, arguments for theism and atheism, faith and reason, the problem of evil, religious pluralism and the afterlife.

Prerequisite: ENGL-010 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

PHYSIC - Physics**PHYSIC 100 - Introduction to Physics (4.00)**

Introduction to the ideas, concepts, and theories of physics including mechanics, waves, heat, electromagnetism, and atomic and nuclear structure. This course does not require students to have extensive knowledge of mathematics.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for MATH 090.

Applicable: UC*, CSU, Associate Degree Applicable.

*No UC credit if taken after PHYSIC 110, 111, 200, 201 or 250+251+252

PHYSIC 110 - General Physics I (4.00)

First in a sequence of two courses designed for students majoring in the biological sciences. Introduction to classical mechanics, heat and thermodynamics, and oscillations and waves. Pertinent concepts in calculus will be addressed as required. (C-ID PHYS 105, C-ID PHYS 100S course one of two)

Prerequisite: MATH 103 or eligibility for MATH 160 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of PHYSIC 100. Concurrent enrollment in MATH 250..

Applicable: UC*, CSU, Associate Degree Applicable.

*PHYSIC 110+111 or 200+201 or 250+251+252: Maximum UC credit, one series.

PHYSIC 111 - General Physics II (4.00)

Second in a sequence of two courses designed for students majoring in the biological sciences. Introduction to optics, electricity and magnetism

and atomic and nuclear physics. Pertinent concepts in calculus will be addressed as required. (C-ID PHYS 110, PHYS 100S course two of two)

Prerequisite: PHYSIC 110.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Concurrent enrollment in MATH 250.

Applicable: UC*, CSU, Associate Degree Applicable.

*PHYSIC 110+111 or 200+201 or 250+251+252: Maximum UC credit, one series.

PHYSIC 250 - College Physics I (4.00)

Study of physics, including mechanics, conservation laws, fluids and wave motion. Replaces PHYSIC 200. (C-ID PHYS 205, PHYS 200S course one of three)

Prerequisite: MATH 250.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*PHYSIC 110+111 or 200+201 or 250+251+252: Maximum UC credit, one series.

PHYSIC 251 - College Physics II (4.00)

A continuation of PHYSIC 250. Study of physics, including electricity, magnetism, Maxwell's Equations and optics. Replaces PHYSIC 200 and PHYSIC 201. (C-ID PHYS 210, PHYS 200S course two of three)

Prerequisite: PHYSIC 250 and MATH 251.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*PHYSIC 110+111 or 200+201 or 250+251+252: Maximum UC credit, one series.

PHYSIC 252 - College Physics III (4.00)

A continuation of PHYSIC 251. Study of physics, including thermodynamics, relativity, quantum theory, structure of atoms, nuclei, molecules and solids. Replaces PHYSIC 201. (C-ID PHYS 215, PHYS 200S course three of three)

Prerequisite: PHYSIC 251.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of MATH 252.

Applicable: UC*, CSU, Associate Degree Applicable.

*PHYSIC 110+111 or 200+201 or 250+251+252: Maximum UC credit, one series.

POLIT - Political Science

POLIT 100 - American Politics (3.00)

Introductory course in the fundamentals of American government and politics. Introduction to basic concepts in political science; key institutions in the American political system; the U.S. Constitution and Bill of Rights; and political issues that confront the nation and state today. (C-ID POLS 110)

Prerequisite: None.

Corequisite: None.

Also Offered As: POLIT 100H.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of ENGL 101 or ENGL 101H.

Applicable: UC, CSU, Associate Degree Applicable.

POLIT 100H - American Politics-Honors (3.00)

Introductory course in the fundamentals of American government and politics. Introduction to basic concepts in political science; key institutions in the American political system; The U.S. constitution and Bill of Rights; and political issues that confront the nation and state today. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID POLS 110)

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: POLIT 100.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

POLIT 102 - California Politics and Culture (3.00)

Introductory course in the fundamentals of California government and politics. Introduction to state, county and local government institutions; interest groups and relevant cultural and historical influences within the state and region; and political, social and economic issues that confront the state, region and Inland Empire today.

Prerequisite: None.

Corequisite: None.

Offered: (Even Fa).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 as determined through the Crafton Hills College assessment process. Reading: Pass a standardized test of reading comprehension at or above the 12th grade level.

Applicable: UC, CSU, Associate Degree Applicable.

POLIT 104 - Introduction to Comparative Politics (3.00)

Introductory course in comparative political systems, movements and ideologies, including politics in the industrialized democracies, post-communist countries, and the Third World. Analysis of the cross-cultural similarities and differences of various countries and their politics. Introduction to the comparative method. (C-ID POLS 130)

Prerequisite: None.

Corequisite: None.

Offered: (Even Sp).

Departmental Recommendation: Successful completion of POLIT 100 or POLIT 100H. Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

POLIT 106 - Introduction to World Politics (3.00)

Introductory course in recent and contemporary world politics, including foreign policies of the major countries, international diplomacy, and transnational institutions; problems of developing nations and the interdependence of globalization. Examination of important areas of international conflict, conflict resolution, and cooperation. (C-ID POLS 140)

Prerequisite: None.

Corequisite: None.

Offered: (Odd Fa).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of POLIT 100 or POLIT 100H. Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

POLIT 110 - Introduction to Political Theory (3.00)

Introductory course on political theory, using primary texts to survey Western political thought, exploring issues such as the purpose of politics, the nature of justice and political authority, the social contract, natural rights, the responsibility of community and citizenship, the paradox of democracy, the morality of political ambition and power, the future of the bourgeois state, and the virtues, failings and challenges of political diversity. Exposes students to some classic pieces in the field with training in how to work with and critically considered theoretical and philosophical texts addressing politics. (C-ID POLS 120)

Prerequisite: None.

Corequisite: None.

Offered: (Odd Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of POLIT 100 or POLIT 100H. Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

POLIT 122 - Politics of the Middle East ()

Survey of the political and social institutions in the Middle East. Study of political history and contemporary governments of the Arab states, Turkey, Iran and Israel, with special emphasis on the role of religion, oil and socioeconomic factors play in regional conflict.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101. Successful completion of POLIT 100 or POLIT 100H.

Applicable: UC, CSU, Associate Degree Applicable.

PS - Physical Science

PS 101 - Principles of Physical Science (3.00)

Fundamental study of physical environment for non-science majors. Survey of astronomy, chemistry, geology, and physics. Overview of concepts, techniques, and terminology for the physical sciences with an emphasis on the interrelationships between these disciplines.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of MATH 090.

Applicable: UC*, CSU, Associate Degree Applicable.

*No UC credit granted if taken after a college level course in Astronomy, Chemistry, Geology, Oceanography, or Physics.

PSYCH - Psychology

PSYCH 100 - General Psychology (3.00)

Survey of the nature and scope of psychology including the topics of neurophysiology, sensation, perception, learning, memory, cognition, intelligence, language, emotion, motivation, personality, psychopathology, treatment and social psychology. (C-ID PSY 110)

Prerequisite: None.

Corequisite: None.

Also Offered As: PSYCH 100H.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 and eligibility for MATH 090.

Applicable: UC, CSU, Associate Degree Applicable.

PSYCH 100H - General Psychology- Honors (3.00)

Survey of the nature and scope of psychology including the topics of neurophysiology, sensation, perception, learning, memory, cognition, intelligence, language, emotion, motivation, personality, psychopathology, treatment and social psychology. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID PSY 110)

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: PSYCH 100.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

PSYCH 101 - Research Methods (3.00)

Introduction to the methodology of correlational and experimental research in psychology and related disciplines. Covers the design, data gathering, data analysis and write-up of quantitative research. Designed primarily for psychology and other social and behavioral science majors. (C-ID PSY 200)

Prerequisite: PSYCH 100 or PSYCH 100H, and PSYCH 120 or MATH 110.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

PSYCH 102 - Personal and Social Adjustment (3.00)

Examination of human capacity to change, adapt, and cope with a variety of circumstances over the life span. Special attention is paid to the social-cultural contexts of adjustment, the role of self-understanding in adjustment, stress, adult development, careers, and family issues. A variety of theoretical perspectives will be used to review healthy and unhealthy behavior patterns as well as coping techniques for day-to-day concerns. (C-ID PSY 115)

Prerequisite: PSYCH 100 or PSYCH 100H.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of or concurrent enrollment in ENGL 101 or ENGL 101H.

Applicable: UC, CSU, Associate Degree Applicable.

PSYCH 103 - Theories of Personality (3.00)

Survey of the theoretical attempts to describe and explain human nature, especially the models of the mind and behavior developed by psychoanalytic, behavioral, humanistic, and cognitive psychologists.

Prerequisite: PSYCH 100 or PSYCH 100H.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

PSYCH 110 - Abnormal Psychology (3.00)

Survey of the field of mental disturbances; their symptomatology, prevalence, etiology, classification, diagnosis, prevention, and treatment. Exploration of psychodynamic, humanistic, cognitive, behavioral, neuroscience, and cross-cultural models. (C-ID PSY 120)

Prerequisite: PSYCH 100 or PSYCH 100H.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of ENGL 101 or ENGL 101H.

Applicable: UC, CSU, Associate Degree Applicable.

PSYCH 111 - Developmental Psychology: Lifespan (3.00)

Introduction to the study of lifespan development psychology from conception through aging. The focus is on six issues: the nature of change, continuity and discontinuity in development, the influence of genes and social context on growth, the influence of culture, race, and ethnicity on development, the effect of present experience on future outcomes, and current theory and research which contribute to an understanding of human development over the lifespan. (C-ID PSY 180)

Prerequisite: PSYCH 100 or PSYCH 100H.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

PSYCH 118 - Human Sexual Behavior (3.00)

Survey of selected factors in human sexual behavior. Emphasis on the psychology of sex and an analysis of assumptions and attitudes toward human sexuality. Theoretical perspectives and research from the areas of sociology, anthropology, and biology as well as psychology. (C-ID PSY 130)

Prerequisite: PSYCH 100 or PSYCH 100H.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of or concurrent enrollment in ENGL 101 or ENGL 101H.

Applicable: UC, CSU, Associate Degree Applicable.

PSYCH 120 - Statistics for the Social and Behavioral Sciences (4.00)

The use of probability techniques, hypothesis testing, and predictive techniques to facilitate decision making. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance; chi squared and t-tests; effect size; confidence intervals; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings, especially for practical applications using data from disciplines such as the social sciences, health care and education. While the MATH 110 class approaches these topics with a firmer grounding in the principles of mathematics, this PSYCH 120 does cover the mathematical basis of statistics, probability theory and estimation, but focuses on the interpretation and application, uses and misuses, and the analysis and criticism of statistical arguments in public discourse. (C-ID MATH 110)

Prerequisite: MATH 095 or eligibility for PSYCH 120 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Lecture: Minimum 64 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*MATH 108, MATH 110, PSYCH 108, PSYCH 120 combined: maximum UC credit, one course.

RADIOL - Radiologic Technology

RADIOL 090 - Survey of Radiologic Technology (1.50)

Introduction to the field of radiologic technology. Exploration of the historical development of radiology, current practice, as well as educational and employment opportunities in the field. Clinical observation opportunities are included.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 24 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 100 - Introduction to Radiologic Technology (1.50)

Introduction to the general structure of medicine specifically applicable to radiologic technology. Departmental administration, office procedures, radiation protection, equipment care, and basic medical techniques. Study and practice of professional ethics relative to the radiologic technology, emphasizing personal appearance, attitudes, hygiene and the code of ethics for radiologic technologists.

Prerequisite: Acceptance into the Radiologic Technology program.

Corequisite: RADIOL 103, RADIOL 104, RADIOL 105, RADIOL 106, RADIOL 107, RADIOL 110, and RADIOL 115.

Offered: (Fa).

Lecture: Minimum 24 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 103 - Radiographic Positioning I (1.00)

Study of various anatomical positions necessary to demonstrate specific anatomical parts for diagnostic evaluation. Emphasis on chest, abdomen, upper and lower extremities and shoulder girdle.

Prerequisite: Acceptance into the Radiologic Technology program.

Corequisite: RADIOL 100, RADIOL 104, RADIOL 105, RADIOL 106, RADIOL 107, RADIOL 110, and RADIOL 115.

Offered: (Fa).

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 104 - Radiologic Physics I (1.50)

Study of basic radiologic physics including units of measurement, energy, matter, atomic structure, magnetism and other concepts related to the production and control of high voltage.

Prerequisite: Acceptance into the Radiologic Technology program.

Corequisite: RADIOL 100, RADIOL 103, RADIOL 105, RADIOL 106, RADIOL 107, RADIOL 110, and RADIOL 115.

Offered: (Fa).

Lecture: Minimum 24 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 105 - Radiographic Anatomy/ Physiology I (1.00)

Study of basic human anatomy and physiology pertinent to radiology.

Prerequisite: Acceptance into the Radiologic Technology program.

Corequisite: RADIOL 100, RADIOL 103, RADIOL 104, RADIOL 106, RADIOL 107, RADIOL 110, and RADIOL 115.

Offered: (Fa).

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 106 - Radiographic Positioning Lab I (0.50)

Practice positioning various anatomical parts for specific radiographic examinations.

Prerequisite: Acceptance into the Radiologic Technology program.

Corequisite: RADIOL 100, RADIOL 103, RADIOL 104, RADIOL 105, RADIOL 107, RADIOL 110, and RADIOL 115.

Offered: (Fa).

Lab: Minimum 24 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 107 - Basic Radiologic Medical Techniques (1.50)

Study of basic nursing techniques and methods of patient care for Radiologic Technologists.

Prerequisite: Acceptance into the Radiologic Technology program.

Corequisite: RADIOL 100, RADIOL 103, RADIOL 104, RADIOL 105, RADIOL 106, RADIOL 110, and RADIOL 115.

Offered: (Fa).

Lecture: Minimum 24 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 108 - Radiation Protection I (1.25)

Study of the basic principles and application of radiation protection, physics, and radiation monitoring devices.

Prerequisite: RADIOL 100, RADIOL 103, RADIOL 104, RADIOL 105, RADIOL 106, RADIOL 107, RADIOL 110, and RADIOL 115.

Corequisite: RADIOL 109, RADIOL 111, RADIOL 112, RADIOL 113, RADIOL 114, RADIOL 116, and RADIOL 117.

Offered: (Sp).

Lecture: Minimum 20 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 109 - Radiologic Physics II (1.25)

Study of the production of X-rays, multiple energy transformation required for radiation production, the mechanics of interaction with matter, X-ray tubes, rectifiers, X-ray circuits, and the history of X-ray tubes.

Prerequisite: RADIOL 100, RADIOL 103, RADIOL 104, RADIOL 105, RADIOL 106, RADIOL 107, RADIOL 110, and RADIOL 115.

Corequisite: RADIOL 108, RADIOL 111, RADIOL 112, RADIOL 113, RADIOL 114, RADIOL 116, and RADIOL 117.

Offered: (Sp).

Lecture: Minimum 20 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 110 - Radiographic Exposure I (1.00)

Study of the fundamentals of radiographic exposure techniques, image formation, and technical conversions pertaining to radiography.

Prerequisite: Acceptance into the Radiologic Technology program.

Corequisite: RADIOL 100, RADIOL 103, RADIOL 104, RADIOL 105, RADIOL 106, RADIOL 107, and RADIOL 115.

Offered: (Fa).

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 111 - Radiographic Image Critique I (1.00)

Introduction to analyzing radiographic examinations with emphasis on improving image quality and using proper identification labels.

Prerequisite: RADIOL 100, RADIOL 103, RADIOL 104, RADIOL 105, RADIOL 106, RADIOL 107, RADIOL 110, and RADIOL 115.

Corequisite: RADIOL 108, RADIOL 109, RADIOL 112, RADIOL 113, RADIOL 114, RADIOL 116, and RADIOL 117.

Offered: (Sp).

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 112 - Radiographic Positioning II (1.25)

Study and demonstration of various anatomical positions necessary to demonstrate specific anatomical parts for diagnostic evaluation. Emphasis on the thorax, pelvic structures and vertebral column.

Prerequisite: RADIOL 100, RADIOL 103, RADIOL 104, RADIOL 105, RADIOL 106, RADIOL 107, RADIOL 110, and RADIOL 115.

Corequisite: RADIOL 108, RADIOL 109, RADIOL 111, RADIOL 113, RADIOL 114, RADIOL 116, and RADIOL 117.

Offered: (Sp).

Lecture: Minimum 20 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 113 - Radiographic Anatomy/Physiology II (1.25)

Study of the basic human anatomy and physiology pertinent to radiology. A continuation of RADIOL 105.

Prerequisite: RADIOL 100, RADIOL 103, RADIOL 104, RADIOL 105, RADIOL 106, RADIOL 107, RADIOL 110, and RADIOL 115.

Corequisite: RADIOL 108, RADIOL 109, RADIOL 111, RADIOL 112, RADIOL 114, RADIOL 116, and RADIOL 117.

Offered: (Sp).

Lecture: Minimum 20 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 114 - Radiographic Positioning Lab II (0.50)

Practice of positioning anatomical parts for specific radiographic examinations. A continuation of RADIOL 106.

Prerequisite: RADIOL 100, RADIOL 103, RADIOL 104, RADIOL 105, RADIOL 106, RADIOL 107, RADIOL 110, and RADIOL 115.

Corequisite: RADIOL 108, RADIOL 109, RADIOL 111, RADIOL 112, RADIOL 113, RADIOL 116, and RADIOL 117.

Offered: (Sp).

Lab: Minimum 24 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 115 - Radiographic Clinic I (10.25)

Observation and supervised clinical experience. Emphasis on the development of primary skills in radiologic technology.

Prerequisite: Acceptance into the Radiologic Technology program.

Corequisite: RADIOL 100, RADIOL 103, RADIOL 104, RADIOL 105, RADIOL 106, RADIOL 107, and RADIOL 110.

Offered: (Fa).

Clinic: Minimum 492 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 116 - Radiographic Exposure II (1.00)

Study of the principles of radiographic exposure methods and procedures pertaining to radiographic technology. A continuation of RADIOL 110. (Formerly RADIOL 201).

Prerequisite: RADIOL 100, RADIOL 103, RADIOL 104, RADIOL 105, RADIOL 106, RADIOL 107, RADIOL 110, and RADIOL 115.

Corequisite: RADIOL 108, RADIOL 109, RADIOL 111, RADIOL 112, RADIOL 113, RADIOL 114, and RADIOL 117.

Offered: (Sp).

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 117 - Radiographic Clinic II (13.75)

Practice and development of basic radiographic skills within a hospital environment. (Formerly RADIOL 115B).

Prerequisite: RADIOL 100, RADIOL 103, RADIOL 104, RADIOL 105, RADIOL 106, RADIOL 107, RADIOL 110, and RADIOL 115.

Corequisite: RADIOL 108, RADIOL 109, RADIOL 111, RADIOL 112, RADIOL 113, RADIOL 114, and RADIOL 116.

Offered: (Sp).

Clinic: Minimum 660 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 200 - Radiation Protection II (1.50)

Study of the biological effects of radiation, cell structure, ionizing radiation, and government regulations regarding its use.

Prerequisite: RADIOL 108, RADIOL 109, RADIOL 111, RADIOL 112, RADIOL 113, RADIOL 114, RADIOL 116, and RADIOL 117.

Corequisite: RADIOL 202, RADIOL 203, RADIOL 204, RADIOL 205, RADIOL 213, and RADIOL 215.

Offered: (Fa).

Lecture: Minimum 24 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 202 - Radiographic Image Critique II (1.00)

Analysis of radiographic examinations with emphasis on improving each student's ability to identify anatomical structures on radiographs.

Prerequisite: RADIOL 108, RADIOL 109, RADIOL 111, RADIOL 112, RADIOL 113, RADIOL 114, RADIOL 116, and RADIOL 117.

Corequisite: RADIOL 200, RADIOL 203, RADIOL 204, RADIOL 205, RADIOL 213, and RADIOL 215.

Offered: (Fa).

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 203 - Radiographic Positioning III (1.25)

Study and demonstration of various anatomical positions necessary to demonstrate specific anatomical parts of diagnostic evaluation. Emphasis on the cranium and osseous structures of the face.

Prerequisite: RADIOL 108, RADIOL 109, RADIOL 111, RADIOL 112, RADIOL 113, RADIOL 114, RADIOL 116, and RADIOL 117.

Corequisite: RADIOL 200, RADIOL 203, RADIOL 204, RADIOL 205, RADIOL 213, and RADIOL 215.

Offered: (Fa).

Lecture: Minimum 20 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 204 - Radiographic Anatomy/Physiology III (1.25)

Study of the human anatomy and physiology pertaining to radiology. A continuation of RADIOL 113.

Prerequisite: RADIOL 108, RADIOL 109, RADIOL 111, RADIOL 112, RADIOL 113, RADIOL 114, RADIOL 116, and RADIOL 117.

Corequisite: RADIOL 200, RADIOL 202, RADIOL 203, RADIOL 205, RADIOL 213, and RADIOL 215.

Offered: (Fa).

Lecture: Minimum 20 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 205 - Radiographic Positioning Lab III (0.50)

Demonstration of experiments pertaining to the fundamentals of exposure techniques, image formation, and technical conversions. Demonstration of photographic and geometric properties of radiographic quality.

Prerequisite: RADIOL 108, RADIOL 109, RADIOL 111, RADIOL 112, RADIOL 113, RADIOL 114, RADIOL 116, and RADIOL 117.

Corequisite: RADIOL 200, RADIOL 202, RADIOL 203, RADIOL 204, RADIOL 213, and RADIOL 215.

Offered: (Fa).

Lab: Minimum 24 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 207 - Radiographic Fluoroscopic Imaging (1.50)

Study of the history and principles of fluoroscopy including imaging intensification, equipment operation, exposure reduction, quality control, radiation biology and physics.

Prerequisite: RADIOL 200, RADIOL 202, RADIOL 203, RADIOL 204, RADIOL 205, RADIOL 213, and RADIOL 215.

Corequisite: RADIOL 208, RADIOL 209, RADIOL 210, RADIOL 211, RADIOL 212, and RADIOL 214.

Offered: (Sp).

Lecture: Minimum 24 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 208 - Radiography Registry Review and Testing II (3.00)

Review and testing of all radiologic technology coursework in preparation for board examination.

Prerequisite: RADIOL 200, RADIOL 202, RADIOL 203, RADIOL 204, RADIOL 205, RADIOL 213, and RADIOL 215.

Corequisite: RADIOL 207, RADIOL 209, RADIOL 210, RADIOL 211, RADIOL 212, and RADIOL 214.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 209 - Radiographic Pathology (1.00)

Study of disease, basic concepts of pathology, pathological conditions of the body and their impact on the radiographic process.

Prerequisite: RADIOL 200, RADIOL 202, RADIOL 203, RADIOL 204, RADIOL 205, RADIOL 213, and RADIOL 215.

Corequisite: RADIOL 207, RADIOL 208, RADIOL 210, RADIOL 211, RADIOL 212, and RADIOL 214.

Offered: (Sp).

Lecture: Minimum 16 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 210 - Radiographic Positioning IV (1.25)

Study and demonstration of various anatomical positions necessary to demonstrate specific anatomical parts of diagnostic evaluations. Emphasis on genitourinary and gastrointestinal systems.

Prerequisite: RADIOL 200, RADIOL 202, RADIOL 203, RADIOL 204, RADIOL 205, RADIOL 213, and RADIOL 215.

Corequisite: RADIOL 207, RADIOL 208, RADIOL 209, RADIOL 211, RADIOL 212, and RADIOL 214.

Offered: (Sp).

Lecture: Minimum 20 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 211 - Radiographic Anatomy/Physiology IV (1.25)

Advanced study and review of human anatomy and physiology pertinent to radiology.

Prerequisite: RADIOL 200, RADIOL 202, RADIOL 203, RADIOL 204, RADIOL 205, RADIOL 213, and RADIOL 215.

Corequisite: RADIOL 207, RADIOL 208, RADIOL 209, RADIOL 210, RADIOL 212, and RADIOL 214.

Offered: (Sp).

Lecture: Minimum 20 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 212 - Special Procedures in Radiology (1.25)

Study of the fundamentals of angiography and the special procedures, equipment, positioning, and techniques involved in producing diagnostic radiographs.

Prerequisite: RADIOL 200, RADIOL 202, RADIOL 203, RADIOL 204, RADIOL 205, RADIOL 213, and RADIOL 215.

Corequisite: RADIOL 207, RADIOL 208, RADIOL 209, RADIOL 210, RADIOL 211, and RADIOL 214.

Offered: (Sp).

Lecture: Minimum 20 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 213 - Radiographic Clinic III (12.00)

Advanced clinical experience. Emphasis on further development of skills in radiologic technology.

Prerequisite: RADIOL 108, RADIOL 109, RADIOL 111, RADIOL 112, RADIOL 113, RADIOL 114, RADIOL 116, and RADIOL 117.

Corequisite: RADIOL 200, RADIOL 202, RADIOL 203, RADIOL 204, RADIOL 205, and RADIOL 215.

Offered: (Fa).

Clinic: Minimum 576 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 214 - Radiographic Clinic IV (12.50)

Advanced clinical experience. Emphasis on perfecting learned skills and techniques of radiography. (Formerly RADIOL 213B).

Prerequisite: RADIOL 200, RADIOL 202, RADIOL 203, RADIOL 204, RADIOL 205, RADIOL 213, and RADIOL 215.

Corequisite: RADIOL 207, RADIOL 208, RADIOL 209, RADIOL 210, RADIOL 211, and RADIOL 212.

Offered: (Sp).

Clinic: Minimum 600 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 215 - Radiography Registry Review and Testing I (3.00)

Review and testing of radiologic technology coursework in preparation for The American Registry of Radiologic Technologists (ARRT) board examination. Emphasis on digital radiography, computed radiography and picture archive and communication system (PACS).

Prerequisite: RADIOL 108, RADIOL 109, RADIOL 111, RADIOL 112, RADIOL 113, RADIOL 114, RADIOL 116, and RADIOL 117.

Corequisite: RADIOL 200, RADIOL 202, RADIOL 203, RADIOL 204, RADIOL 205, and RADIOL 213.

Lecture: Minimum 48 hours per semester.

Applicable: Associate Degree Applicable.

RADIOL 216 - Mammography (2.00)

Study of technical and procedural aspects of digital mammography. Examines radiation protection, digital quality assurance, breast anatomy and physiology. Analyzes breast pathology, breast images and positioning techniques. Explores mass localization and biopsy procedures and a brief discussion of Breast MR, breast cancer diagnostic technologies, and breast cancer treatments.

Prerequisite: Acceptance into the Radiologic Technology program.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Applicable: Associate Degree Applicable.

READ - Reading and Study Skills

READ 956X2 - Intermediate Reading (3.00)

Second in a sequence of courses that introduce students to skills of vocabulary development, reading comprehension, phonetic awareness and usage. Intensive practice in reading passages at an intermediate level. This course may be taken two times.

Prerequisite: READ 925X2 or eligibility for READ 956X2 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Lecture: Minimum 40 hours per semester.

Lab: Minimum 24 hours per semester.

Applicable: Not Associate Degree Applicable.

READ 980 - fundamentals of Reading (4.00)

Development of academic reading, critical thinking, and corresponding writing skills expected in associate degree and transfer-level courses. Instruction focusing on skills required for vocabulary development, critical reading comprehension, fluency, and understanding the relationship between reading and writing. Replaces READ 925X2.

Prerequisite: None.

Corequisite: ENGL 976.

Offered: (Fa,Sp).

Lecture: Minimum 64 hours per semester.

Applicable: Not Associate Degree Applicable.

READ 078X2 - Advanced Reading (3.00)

Third in a sequence of courses that introduce students to skills of vocabulary development and reading comprehension. Intensive practice in reading passages at an advanced level.

Prerequisite: READ 956X2 or eligibility for READ 078X2 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: Associate Degree Applicable.

READ 100 - College Academic Reading (3.00)

Improved analytical reading and critical thinking required for reading college textbooks as well as works of literature. Intensive practice in reading critical essays at a college level.

Prerequisite: READ 078X2 or eligibility for READ 100 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: CSU, Associate Degree Applicable.

RELIG - Religious Studies

RELIG 100 - Introduction to Religious Studies (3.00)

Study of the major components all religions have in common, exploring such elements as the holy, sacred stories, ritual, iconography, religious leaders, scripture, morality and ethics, individual and community in religious tradition, the arts and media, and phenomenology. Use of diverse methodologies to integrate historical research and practical application.

Prerequisite: ENGL 010 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Also Offered As: RELIG 100H.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

RELIG 100H - Introduction to Religious Studies-Honors (3.00)

Study of the major components all religions have in common, exploring such elements as the holy, sacred stories, ritual, iconography, religious leaders, scripture, morality and ethics, individual and community in religious tradition, the arts and media, and phenomenology. Use of diverse methodologies to integrate historical research and practical application. This course includes content and experiences appropriate for students wishing to earn honors credit.

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: RELIG 100.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

RELIG 101 - Introduction to World Religions (3.00)

Origins, myths, doctrines, practices, historical development and contemporary concerns of the major world religions, with particular attention to Hindu, Daoist, Confucian, Judaic, Christian, Buddhist, and Islamic traditions.

Prerequisite: ENGL 010 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Also Offered As: RELIG 101H.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

RELIG 101H - Introduction to World Religions-Honors (3.00)

Origins, myths, doctrines, practices, historical development and contemporary concerns of the major world religions, with particular attention to Hindu, Daoist, Confucian, Judaic, Christian, Buddhist, and Islamic traditions. This course includes content and experiences appropriate for students wishing to earn honors credit.

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: RELIG 101.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

RELIG 110 - Tribal and Ethnic Religions (3.00)

Comparative study of supernaturalism in traditional societies, both past and present, including witchcraft, magic, totemism, mythology and ritual nativistic movements, and the religious context of drug usage and the social and symbolic functions of beliefs and rituals. Examination of prehistoric religion as well as the belief systems of selected tribal peoples. This course is also offered as ANTHRO 110.

Prerequisite: None.

Corequisite: None.

Also Offered As: ANTHRO 110.

Offered: (Even Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

RELIG 113 - Introduction to Eastern Religions (3.00)

Introductory study of the religions of Asia, including Hinduism, Buddhism, Daoism, Confucianism, and Shinto. Overview of historical developments, doctrines, myths, practices, and ideological similarities among different religions.

Prerequisite: None.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

RELIG 120 - Introduction to Islam ()

Overview of Islam and Islamic-based culture, civilization and movements with a focus on its distinctive practices and beliefs. Survey of the history of Islam from the time of Muhammad and investigation of the Qur'an and hadith as primary Islamic doctrinal, ethical, devotional and legalistic sources. Examination of Islam in American and popular stereotypes of Islam and Muslims including Islamic-inspired violence, law and the Sharia and the treatment of women and religious and ethnic minorities.

Prerequisite: None.

Corequisite: None.

Offered: (Odd Fa).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

RELIG 135 - Religion in America (3.00)

Study of the principal groups, figures, issues, and trends in religion from colonial times to the present, covering such topics as the Puritans, the growth of religious liberty in America, religion and social protest, the African-American religious experience, Catholic-Protestant-Jew, and contemporary religious phenomena. This course is also offered as HIST 135.

Prerequisite: None.

Corequisite: None.

Also Offered As: HIST 135.

Offered: (Fa).

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

RELIG 175 - Literature and Religion of the Bible (3.00)

Study of the English Bible as literature and as religion. Includes the examination of the types of literature found in the Bible, and the historical and religious context in which the literature was developed. Provides an extensive reading of the two testaments. This course is also offered as ENGL 175.

Prerequisite: None.

Corequisite: None.

Also Offered As: ENGL 175.

Offered: (Odd Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

RELIG 176 - Jesus and His Interpreters (3.00)

Study of images and interpretations of Jesus: Exploration of Jesus through the perspectives of the gospels, history and theology, and the arts.

Prerequisite: None.

Corequisite: None.

Offered: (Odd Fa).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

RESP - Respiratory Care

RESP 050 - Introductory to Respiratory Care (2.00)

Introduction and orientation to the field of respiratory care, professional organizations, regulatory bodies, and policies that govern respiratory treatment. Provides pre-entry students program information critical to the decision to enter the Registered Respiratory Therapist Program.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 32 hours per semester.

Applicable: Associate Degree Applicable.

RESP 051 - Cardiopulmonary Resuscitation: Basic Life Support Healthcare Provider (1.00)

Instruction in basic life support that either (a) prevents circulatory or respiratory arrest (or insufficiency) through prompt recognition and intervention, early entry into the Emergency Medical Services system, or both, or (b) externally supports the circulation and respiration of a victim of cardiac or respiratory arrest through cardiopulmonary resuscitation. A Basic Life Support Healthcare Provider is one who has successfully completed the written examination and all performance (skills) testing of an American Heart Association Basic Life Support Healthcare Provider Course according to American Heart Association requirements. The card that comes as a result of this course is good for two years.

Prerequisite: None.

Corequisite: Acceptance into Respiratory Care Program.

Lecture: Minimum 8 hours per semester.

Lab: Minimum 24 hours per semester.

Applicable: Associate Degree Applicable.

RESP 109A - Clinical Refresher: Clinical Application I (1.50)

Continued clinical application of diagnostic techniques, equipment, medications, and procedures based on the national Clinical Practice Guidelines as well as local standards of practice. Follows the First-Year Clinical Syllabus, under continuous direct supervision, to validate competence in the skills required to care for patients in a variety of healthcare settings. Graded on a Pass or No Pass basis only.

Prerequisite: RESP 133.

Corequisite: None.

Lecture: Minimum 14 hours per semester.

Clinic: Minimum 30 hours per semester.

Applicable: Associate Degree Applicable.

RESP 109B - Clinical Refresher: Clinical Application II (4.00)

Continued clinical application of diagnostic techniques, equipment, medications, and procedures based on the national Clinical Practice Guidelines as well as local standards of practice. Continues to follow the First-Year Clinical Syllabus, providing instruction under direct supervision, to validate competence in the skills required to care for patients in a variety of healthcare settings. Graded on a Pass or No Pass basis only.

Prerequisite: RESP 137.

Corequisite: None.

Lecture: Minimum 22 hours per semester.

Clinic: Minimum 126 hours per semester.

Applicable: Associate Degree Applicable.

RESP 130 - Fundamentals of Respiratory Care I (4.00)

Theoretical application of diagnostic techniques, equipment, and procedures based on the national Clinical Practice Guidelines as well as local standards of practice. Provides basic preparation of the respiratory care student consisting of: An introduction to basic respiratory physiology, pharmacology, arterial blood gas interpretation, regulation of breathing, and basis for treatment modalities, including physical principles relating to medical gases and equipment and solutions for body electrolytes.

Prerequisite: Acceptance into Respiratory Care Program.

Corequisite: RESP 131, RESP 132, and RESP 133.

Offered: (Fa).

Lecture: Minimum 64 hours per semester.

Applicable: Associate Degree Applicable.

RESP 131 - Fundamentals of Respiratory Care Skills I (11.00)

Laboratory application of diagnostic techniques, equipment, medications, and procedures based on the national Clinical Practice Guidelines as well as local standards of practice. Provides an opportunity to learn and practice the required basic respiratory care clinical skills in a simulated, patient-care environment including: medical gas handling, analysis, and delivery; patient assessment techniques; aerosol and humidification application; hyperinflation application; airway management techniques; infection control; diagnostic tests interpretation; and therapeutic assessment.

Prerequisite: Acceptance into Respiratory Care Program.

Corequisite: RESP 130, RESP 132, and RESP 133.

Offered: (Fa).

Lecture: Minimum 132 hours per semester.

Lab: Minimum 132 hours per semester.

Applicable: Associate Degree Applicable.

RESP 132 - Pulmonary Assessment (4.50)

Preparation for the patient encounter through the understanding of basic interviewing and assessing techniques essential to the safe and effective practice of respiratory care. This course also offers the student the introductory knowledge of drugs and medications pertinent to patient care today.

Prerequisite: Acceptance into Respiratory Care Program.

Corequisite: RESP 130, RESP 131, and RESP 133.

Offered: (Fa).

Lecture: Minimum 72 hours per semester.

Applicable: Associate Degree Applicable.

RESP 133 - Respiratory Care Clinical Application I (1.50)

Clinical application of diagnostic techniques, equipment, medications, and procedures based on the national Clinical Practice Guidelines as well as local standards of practice. Follows the First-Year Clinical Syllabus, under continuous direct supervision, to validate competence in the skills required to care for patients in a variety of healthcare settings.

Prerequisite: Acceptance into Respiratory Care Program.

Corequisite: RESP 130, RESP 131, and RESP 132.

Offered: (Fa).

Lecture: Minimum 14 hours per semester.

Clinic: Minimum 30 hours per semester.

Applicable: Associate Degree Applicable.

RESP 134 - Introduction to Pharmacology and Drug Therapy (4.50)

Study of the administration of medicine and drug therapy with an emphasis on cardio-respiratory drugs. Drugs and their actions and their interactions. Basic drug mathematics and calculations as well as Advanced Cardiac Life Support drugs.

Prerequisite: Acceptance into Respiratory Care Program.

Corequisite: RESP 135, RESP 136, RESP 137, RESP 138, and RESP 139.

Offered: (Sp).

Lecture: Minimum 72 hours per semester.

Applicable: Associate Degree Applicable.

RESP 135 - Fundamentals of Respiratory Care II (4.00)

Theoretical application of diagnostic techniques, equipment, medications, and procedures based on the national Clinical Practice Guidelines as well as local standards of practice. Provides basic preparation of the respiratory care student including an introduction to cardiopulmonary dysfunction, pulmonary function testing, respiratory failure, ventilatory support and management, home care, and assessment and therapeutic treatment of the patient.

Prerequisite: Acceptance into Respiratory Care Program.

Corequisite: RESP 134, RESP 136, RESP 137, RESP 138, and RESP 139.

Offered: (Sp).

Lecture: Minimum 64 hours per semester.

Applicable: Associate Degree Applicable.

RESP 136 - Fundamentals of Respiratory Care Skills II (5.50)

Laboratory application of diagnostic techniques, equipment, medications, and procedures based on the national Clinical Practice Guidelines as well as local standards of practice, provides an opportunity to learn and practice the required basic respiratory care clinical skills in a simulated patient-care environment, including: Recommending therapeutics, recommending therapeutic modification or discontinuance, arterial blood gas drawing and analysis, co-oximetry, mechanical ventilation and related adjuncts, positive end-expiratory pressure, continuous positive airway pressure, bi-level positive airway pressure, and weaning from mechanical ventilation.

Prerequisite: RESP 130, RESP 131, RESP 132, and RESP 133.

Corequisite: RESP 134, RESP 135, RESP 137, RESP 138, and RESP 139.

Offered: (Sp).

Lecture: Minimum 64 hours per semester.

Lab: Minimum 72 hours per semester.

Applicable: Associate Degree Applicable.

RESP 137 - Respiratory Care Clinical Application II (9.00)

Clinical application of diagnostic techniques, equipment, medications, and procedures based on the national Clinical Practice Guidelines as well as local standards of practice. Continues to follow the First-Year Clinical Syllabus, providing instruction under direct supervision, to validate competence in the the skills required to care for patients in a variety of healthcare settings.

Prerequisite: Acceptance into Respiratory Care Program.

Corequisite: RESP 134, RESP 135, RESP 136, RESP 138, and RESP 139.

Offered: (Sp).

Lecture: Minimum 36 hours per semester.

Clinic: Minimum 324 hours per semester.

Applicable: Associate Degree Applicable.

RESP 138 - Clinical Medicine I (1.50)

Selected topics related to the practice of cardiopulmonary medicine. Combination of lecture and case presentations provided by physicians who are board certified pulmonologists.

Prerequisite: RESP 130, RESP 131, RESP 132, and RESP 133.

Corequisite: RESP 134, RESP 135, RESP 136, RESP 137, and RESP 139.

Offered: (Sp).

Lecture: Minimum 24 hours per semester.

Applicable: Associate Degree Applicable.

RESP 139 - Perinatal and Pediatric Respiratory Care (4.50)

Preparation of the student for clinical practice in Neonatal and Pediatric Intensive Care Units at our local hospitals.

Prerequisite: Acceptance into Respiratory Care Program.

Corequisite: RESP 134, RESP 135, RESP 136, RESP 137, and RESP 138.

Offered: (Sp).

Lecture: Minimum 72 hours per semester.

Applicable: Associate Degree Applicable.

RESP 209A - Clinical Refresher: Advanced Clinical Application I (4.00)

Continued clinical application of advanced-level skills learned in the laboratory and theory classes. Follows the Second-Year Clinical Syllabus, under continuous direct supervision, to validate competence in the skills required to care for patients in a variety of healthcare settings and to reflect the Clinical Practice Guidelines as well as the local standards of practice. Graded on a Pass or No Pass basis only.

Prerequisite: RESP 233.

Corequisite: None.

Lecture: Minimum 22 hours per semester.

Clinic: Minimum 126 hours per semester.

Applicable: Associate Degree Applicable.

RESP 209B - Clinical Refresher: Advanced Clinical Application II (4.00)

Continued clinical application of advanced-level skills learned in the laboratory and theory classes. Follows the Second-Year Clinical Syllabus, under continuous direct supervision, to validate competence in the skills required to care for patients in a variety of healthcare settings and to reflect the Clinical Practice Guidelines as well as the local standards of practice. Graded on a Pass or No Pass basis only.

Prerequisite: RESP 236.

Corequisite: None.

Lecture: Minimum 22 hours per semester.

Clinic: Minimum 126 hours per semester.

Applicable: Associate Degree Applicable.

RESP 230 - Advanced Theory of Respiratory Care I (2.50)

Advanced assessment, diagnosis, and treatment of diseases and conditions as they relate to the practice of respiratory care. Topics include cardiopulmonary anatomy, continuous mechanical ventilation, patient assessment, oxygen transport, oxygen monitoring equipment, hyperbaric oxygen therapy, and interpersonal relationships regarding Respiratory Care Practitioner diversity and ethics.

Prerequisite: Acceptance into Respiratory Care Program.

Corequisite: RESP 231, RESP 232, and RESP 233.

Offered: (Sm).

Lecture: Minimum 40 hours per semester.

Applicable: Associate Degree Applicable.

RESP 231 - Advanced Respiratory Care Skill Laboratory I (3.00)

Advanced assessment, diagnosis, and treatment of diseases and conditions as they relate to the practice of respiratory care in the simulated patient-care environment. Topics include advanced medical gas handling, analysis, and delivery; patient assessment techniques; aerosol and humidification application; hyperinflation techniques; airway management techniques; pulmonary function techniques; arterial puncture and lines; neonatal cardiopulmonary resuscitation; mechanical ventilation (adult and infant); and the electrocardiogram.

Prerequisite: Acceptance into Respiratory Care Program.

Corequisite: RESP 230, RESP 232, and RESP 233.

Lecture: Minimum 36 hours per semester.

Lab: Minimum 36 hours per semester.

Applicable: Associate Degree Applicable.

RESP 232 - Physiologic Basis of Respiratory Disease I (2.50)

Applied cardiopulmonary, renal and neuropath physiology related to the diagnosis and treatment of diseases the therapist will encounter in the clinical setting. The case history approach is used wherever possible in an effort to assist in preparation for National Board for Respiratory Care examinations.

Prerequisite: Acceptance into Respiratory Care Program.

Corequisite: RESP 230, RESP 231, and RESP 233.

Offered: (Sm).

Lecture: Minimum 40.5 hours per semester.

Applicable: Associate Degree Applicable.

RESP 233 - Advanced Respiratory Care Clinical Application I (4.00)

Clinical application of advanced-level skills learned in the laboratory and theory classes. Follows the Second-Year Clinical Syllabus under continuous direct supervision, to validate competence in the skills required to care for patients in a variety of healthcare settings and to reflect the Clinical Practice Guidelines as well as the local standards of practice.

Prerequisite: Acceptance into Respiratory Care Program.

Corequisite: RESP 230, RESP 231, and RESP 232.

Lecture: Minimum 22 hours per semester.

Clinic: Minimum 126 hours per semester.

Applicable: Associate Degree Applicable.

RESP 234 - Advanced Theory of Respiratory Care II (4.00)

Advanced theory, including oxygen transport, acid-base balance, renal function, electrolyte assessment, nutrition, pulmonary function testing, and pulmonary pathologies.

Prerequisite: Acceptance into Respiratory Care Program.

Corequisite: RESP 235, RESP 236, RESP 237, and RESP 238.

Offered: (Fa).

Lecture: Minimum 64 hours per semester.

Applicable: Associate Degree Applicable.

RESP 235 - Physiologic Basis of Respiratory Disease II (5.00)

Further presentation of applied cardiopulmonary, renal, and neuro-pathophysiology related to the diagnosis and treatment of diseases the therapist will encounter in the clinical setting. The case history approach is used wherever possible in an effort to assist in preparation for the National Board for Respiratory Care examinations.

Prerequisite: Acceptance into Respiratory Care Program.

Corequisite: RESP 234, RESP 236, RESP 237, and RESP 238.

Offered: (Fa).

Lecture: Minimum 80 hours per semester.

Applicable: Associate Degree Applicable.

RESP 236 - Advanced Respiratory Care Clinical Application II (9.00)

Continued clinical application of advanced-level skills learned in the laboratory and theory classes. Follows the Second-Year Clinical Syllabus under continuous direct supervision, to validate competence in the skills required to care for patients in a variety of healthcare settings and to reflect the Clinical Practice Guidelines as well as the local standards of practice.

Prerequisite: Acceptance into Respiratory Care Program.

Corequisite: RESP 234, RESP 235, RESP 237, and RESP 238.

Offered: (Fa).

Lecture: Minimum 36 hours per semester.

Clinic: Minimum 324 hours per semester.

Applicable: Associate Degree Applicable.

RESP 237 - Advanced Respiratory Care Skills Laboratory II (5.50)

Exposure to new procedures and the improvement of skills based on assessment of individual student performance. Specialized instruction to strengthen identified competencies as final preparation for professional practice, as well as Certification in Advanced Cardiac Life Support.

Prerequisite: Acceptance into Respiratory Care Program.

Corequisite: RESP 234, RESP 235, RESP 236, and RESP 238.

Offered: (Fa).

Lecture: Minimum 66 hours per semester.

Lab: Minimum 66 hours per semester.

Applicable: Associate Degree Applicable.

RESP 238 - Entry Level and Advanced Practitioner Examinations: Review and Seminar (5.00)

Preparation for the National Board for Respiratory Care's Entry Level, WRRT Examination, and CSE. Discussion of examination structure, content, examination site requirements, and review of sample test questions.

Prerequisite: RESP 230, RESP 231, RESP 232, and RESP 233.

Corequisite: RESP 234, RESP 235, RESP 236, and RESP 237.

Offered: (Fa).

Lecture: Minimum 68 hours per semester.

Lab: Minimum 36 hours per semester.

Applicable: Associate Degree Applicable.

SMS - Surveying and Mapping Sciences

SMS 101 - Elementary Surveying (3.00)

Use and care of surveying instruments, fundamental surveying methods, traverse measurements, area computations, precise equipment, 3D visualization and topographic mapping.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 24 hours per semester.

Lab: Minimum 72 hours per semester.

Departmental Recommendation: Knowledge of basic geometric applications, basic right triangle trigonometry, and introductory knowledge of CAD.

Applicable: CSU, Associate Degree Applicable.

SMS 102 - Advanced Surveying (4.00)

Theory of hydrographic, geodetic and control surveys; city and land surveys; route location and layout; simple transportation and vertical curves; earthwork computations; introduction to electronic and photogrammetric methods.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: SMS 101.

Applicable: CSU, Associate Degree Applicable.

SOC - Sociology

SOC 100 - Introduction to Sociology (3.00)

Examination of the social influences on human behavior focusing on American social patterns and processes; structure and function; conflict and change in society; multicultural conflicts; and comparison of these processes with international and global patterns. (C-ID SOCI 110)

Prerequisite: None.

Corequisite: None.

Also Offered As: SOC 100H.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

SOC 100H - Introduction to Sociology-Honors (3.00)

Examination of the social influences on human behavior focusing on American social patterns and processes; structure and function; conflict and change in society; multicultural conflicts; and comparison of these processes with international and global patterns. This course includes

content and experiences appropriate for students wishing to earn honors credit. (C-ID SOCI 110)

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: SOC 100H.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101 and MATH 095.

Applicable: UC, CSU, Associate Degree Applicable.

SOC 105 - Social Problems (3.00)

An analysis of contemporary social problems plaguing American society at individual and institutional levels, including: drug and alcohol use/abuse, violence, race and ethnic relations, poverty, ageism, sexual orientation, unemployment, education, population and urbanization, environment, technology, and war.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of SOC 100 or SOC 100H. Eligibility for ENGL 101 and MATH 090.

Applicable: UC, CSU, Associate Degree Applicable.

SOC 106 - Tribulation, Triumph and Transformation: Introduction to Women's Studies (3.00)

Multidisciplinary examination of social, cultural, economic and political forces affecting the lives of women in the United States and abroad. Introduction to gender theory, sexuality, women's history and the challenges and diverse roles of women in today's multicultural world.

Prerequisite: None.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

SOC 130 - Marriage, Family and Intimate Relationships (3.00)

A sociological exploration of the institutions of marriage and family. Study of the historical conceptualizations of family as well as the effect culture, gender, age and socioeconomic factors have on the contemporary family. (C-ID SOCI 130)

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of SOC 100 or SOC 100H. Eligibility for ENGL 101 and MATH 090.

Applicable: UC, CSU, Associate Degree Applicable.

SOC 132 - Identity and Ideology: Introduction to Chicano/a and Latino/a Studies (3.00)

Multidisciplinary examination of the experience of Chicano/as and Latino/as in the United States. Introduction to the history and culture of Chicano/a communities, social movements and ideologies behind those movements, and contemporary issues facing Chicano/as and other Latino/a groups.

Prerequisite: None.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: UC, CSU, Associate Degree Applicable.

SOC 141 - Minority Relations (3.00)

Sociological study of minority status and diversity in American society. Examination of various social conditions that affect the ever changing diversity of American society. (C-ID SOCI 150)

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of SOC 100 or SOC 100H. Eligibility for ENGL 101 and MATH 090.

Applicable: UC, CSU, Associate Degree Applicable.

SOC 145 - Sex, Gender and Society (3.00)

Sociological study of sex and gender roles. Study of historical and contemporary constructions of masculinity and femininity, the effect of culture on gender roles and the social institutions and movements associated with sex and gender identity (C-ID SOCI 140)

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of SOC 100 or SOC 100H. Eligibility for ENGL 101 and MATH 090.

Applicable: UC, CSU, Associate Degree Applicable.

SOC 150 - Gerontology (3.00)

A comprehensive exploration of aging and the life course, looking at the social and psychological aspects of aging.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Successful completion of SOC 100 or SOC 100H. Eligibility for ENGL 101 and MATH 090.

Applicable: UC, CSU, Associate Degree Applicable.

SOWO - Social Work

SOWO 101 - Introduction to Social Work (3.00)

An introduction to the social work profession and social welfare within American society. Study of the history of social work, roles and responsibilities of the social worker, professional code of ethics governing the profession, and principles of social work practice.

Prerequisite: None.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: Eligibility for ENGL 101.

Applicable: CSU, Associate Degree Applicable.

SPAN - Spanish

SPAN 015 - Conversational Spanish (3.00)

Introductory conversation course, designed to meet the need of students who wish to communicate orally in the Spanish language for purposes of travel, business, employment and personal pleasure. Focuses on conversation skills with some formal study of grammar.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: Associate Degree Applicable.

SPAN 019 - Spanish for Medical Personnel I (3.00)

Introduction to Spanish for medical and hospital personnel working with Spanish speaking patients. Emphasis on developing comprehension and communication skills in Spanish and acquiring a basic medical terminology through intensive oral use and drilling exercises.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: Associate Degree Applicable.

SPAN 020 - Spanish for Medical Personnel II (3.00)

A continuation of SPAN 019. Introduction to Spanish for medical and hospital personnel working with Spanish-speaking patients. Emphasis on developing comprehension and communication skills in Spanish and acquiring a basic medical terminology through intensive oral use and drilling exercises.

Prerequisite: SPAN 019.

Corequisite: None.

Lecture: Minimum 48 hours per semester.

Applicable: Associate Degree Applicable.

SPAN 101 - College Spanish I (5.00)

Introductory course beginning the development of the student's listening, speaking, reading and writing skills in Spanish. Study of Spanish pronunciation, vocabulary, idioms, grammar and the Hispanic culture.

NOTE: This course corresponds to the first year of high school Spanish. (C-ID SPAN 100)

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp,Sm).

Lecture: Minimum 80 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*No credit granted if taken after SPAN 102, SPAN 103, or SPAN 104.

SPAN 102 - College Spanish II (5.00)

A continuation of SPAN 101. Further development of the student's listening, speaking, reading and writing skills in Spanish. Study of Spanish vocabulary, idioms, grammar and the Hispanic culture.

NOTE: This course corresponds to the second year of high school Spanish. (C-ID SPAN 110)

Prerequisite: SPAN 101.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 80 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*No credit granted if taken after SPAN 103 or SPAN 104. SPAN 102 and SPAN 157: maximum credit, one course.

SPAN 103 - College Spanish III (5.00)

A continuation of SPAN 102. Further development of the student's listening, speaking, reading and writing skills in Spanish. Further study of Spanish vocabulary, idioms, more complex grammatical structures and the Hispanic culture, as it is reflected in cultural and literary readings. (C-ID SPAN 200)

Prerequisite: SPAN 102.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 80 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*No credit granted if taken after SPAN 104. SPAN 103 and SPAN 158: maximum credit, one course.

SPAN 104 - College Spanish IV (5.00)

A continuation of SPAN 103. In-depth study of Spanish grammar and the continued development of the student's listening, speaking, reading and writing skills. Enhancement of the student's cultural awareness through reading, discussion and written analysis of Hispanic cultural and literary readings. (C-ID SPAN 210)

Prerequisite: SPAN 103.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 80 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

SPAN 157 - Spanish for Spanish Speakers I (5.00)

First of two courses intended for students who have grown up speaking Spanish but have not formally studied it in an academic environment.

Designed to help students develop spelling, writing, reading, and improved conversational skills. Stresses the formal aspects of the language, the rules of the written accent, grammar, vocabulary, past tense verbs, and the culture of Spanish-speaking regions. This course is conducted in Spanish and focuses on grammatical topics equivalent to those covered in SPAN 102.

Prerequisite: None.

Corequisite: None.

Lecture: Minimum 80 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*No credit granted if taken after SPAN 158. SPAN 102 and SPAN 157: maximum credit, one course.

SPAN 158 - Spanish for Spanish Speakers II (5.00)

A continuation of SPAN 157. Second of two courses intended for students who have grown up speaking Spanish but have not formally studied it in an academic environment. Designed to help students further develop spelling, writing, reading, and conversational skills. Stress the formal aspects of the language, more complex grammar structures, writing, reading, vocabulary, and the culture of Spanish-speaking regions. This course is conducted in Spanish and focuses on grammatical topics equivalent to those covered in SPAN 103.

Prerequisite: SPAN 157.

Corequisite: None.

Lecture: Minimum 80 hours per semester.

Applicable: UC*, CSU*, Associate Degree Applicable.

*SPAN 103 and SPAN 158: maximum credit, one course.

THART - Theatre Arts

THART 100 - Introduction to Theatre (3.00)

Survey course designed to develop an appreciation of the theatre for majors and non-majors. Introduction to the basic elements of play production including playwriting, producing, acting, directing, set design, costume design and lighting design. Exploration of the origins of drama, significant milestones in theatre history, and trends in contemporary theatre. (C-ID THTR 111)

Prerequisite: None.

Corequisite: None.

Also Offered As: THART 100H.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

THART 100H - Introduction to Theatre-Honors (3.00)

Survey course designed to develop an appreciation of the theatre for majors and non-majors. Introduction to the basic elements of play production including playwriting, producing, acting, directing, set design, costume design and lighting design. Exploration of the origins of drama, significant milestones in theatre history and trends in contemporary theatre. This course includes content and experiences appropriate for students wishing to earn honors credit. (C-ID THTR 111)

Prerequisite: Acceptance into the College Honors Institute.

Corequisite: None.

Also Offered As: THART 100.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

THART 108 - World Drama I (3.00)

Survey of the history of theatre from its earliest origins in 6th century B.C.E to the Elizabethan period in the 1500s-1600's. Focus on important plays, playwrights and the development of theatre practices and techniques. This course is also offered as ENGL 108. (C-ID THTR 113)

Prerequisite: None.

Corequisite: None.

Also Offered As: ENGL 108.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

THART 109 - World Drama II (3.00)

Survey of the history of the theatre from the 1600's to the present. Focus on important plays, playwrights and techniques of theater presentation. This course is also offered as ENGL 109.

Prerequisite: None.

Corequisite: None.

Also Offered As: ENGL 109.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

THART 110 - Voice and Diction (3.00)

Techniques in voice production, including theory and practice in developing vocal skills for performance including breathing, rate, pitch, articulation and quality. Application of concepts for students preparing for careers in communication, broadcasting and theatre as well as non-native speakers of English. This course is also offered as COMMST 110.

Prerequisite: None.

Corequisite: None.

Also Offered As: COMMST 110.

Offered: (Odd Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

THART 120 - Beginning Acting (3.00)

Introductory instruction in acting techniques. Exercises in improvisation, theatre games, and exercises to develop flexibility, imagination, agility, expressiveness and awareness of body movement. Exploration of basic textual analysis of plays, characterization and scene work. (C-ID THTR 151)

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

THART 124X2 - Beginning Performance Workshop (3.00)

Beginning preparation, rehearsal, production and performance of plays musicals and dance performances. Participation in a variety of activities including performance or musical accompaniment. This course may be taken two times. (C-ID THTR 191)

Prerequisite: Audition.

Corequisite: THART 134X4.

Offered: (Fa,Sp).

Lecture: Minimum 16 hours per semester.

Lab: Minimum 96 hours per semester.

Departmental Recommendation: None.

Applicable: UC, CSU, Associate Degree Applicable.

THART 133 - Audition Techniques (1.00)

Introduction to the basics of auditioning as a means of getting roles in plays or musicals. This includes analyzing material for monologues, musical pieces or scenes, structure of their presentation, rehearsal techniques and development of acting or musical technique and skill by preparation and presentations in class.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 16 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

THART 134X4 - Technical Theatre Workshop (1.00)

Supervised participation in technical theatre roles associated with the preparation, rehearsal and production of plays, musicals and dance performances. Execution of technical production work in areas of scenery, costumes, lighting, sound and stage management introduction to principles of theatre design. This course may be taken four times. (C-ID THTR 192)

Prerequisite: Audition.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 8 hours per semester.

Lab: Minimum 24 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

THART 140X2 - Intermediate Performance Workshop (3.00)

Intermediate preparation, rehearsal, production and performance of plays, musicals and dance performances. Participation in a variety of activities including playwriting, performance, musical accompaniment or directing. This course may be taken two times.

Prerequisite: THART 124X2.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 16 hours per semester.

Lab: Minimum 96 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

THART 145 - Advanced Theatre Practicum I (3.00)

Participation in a variety of advanced activities associated with the preparation, rehearsal, production and performance of plays, musicals

and dance performances including playwriting, performance, design or directing. THART 150 Summer Theatre Workshop Opportunity for student actors, theatre technicians or theatre management personnel to further develop and refine their skills in a functioning professional theatre setting. Enhancement of theatre skills in the areas of acting, technical theatre, stage management and theatre management in the context of pre-production, rehearsal and public performance under the supervision of a professional staff.

Prerequisite: None.

Corequisite: None.

Offered: (Sm).

Lecture: Minimum 16 hours per semester.

Lab: Minimum 144 hours per semester.

Departmental Recommendation: Previous experience in a theatrical production.

Applicable: UC, CSU, Associate Degree Applicable.

THART 150 - Summer Theatre Workshop (3.00)

Opportunity for student actors, theatre technicians or theatre management personnel to further develop and refine their skills in a functioning professional theatre setting. Enhancement of theatre skills in the areas of acting, technical theatre, stage management and theatre management in the context of pre-production, rehearsal and public performance under the supervision of a professional staff.

Prerequisite: None.

Corequisite: None.

Offered: (Sm).

Lab: Minimum 144 hours per semester.

Departmental Recommendation: Previous experience in a theatrical production.

Applicable: UC, CSU, Associate Degree Applicable.

THART 174X4 - Dance Production Workshop (2.00)

Preparation, rehearsal, production and performance of dance pieces. This course is also offered as DANCE 174X4.

Prerequisite: None.

Corequisite: None.

Also Offered As: DANCE 174X4.

Lecture: Minimum 16 hours per semester.

Lab: Minimum 48 hours per semester.

Departmental Recommendation: Audition with instructor.

Applicable: UC, CSU, Associate Degree Applicable.

THART 176 - Fundamentals of Stagecraft I (3.00)

Introduction to technical theatre. Study of the history, theory and practice of theatrical production in areas including stage management, properties, costume and makeup design and construction.

Prerequisite: None.

Corequisite: None.

Offered: (Fa).

Lecture: Minimum 40 hours per semester.

Lab: Minimum 24 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

THART 179 - Fundamentals of Stagecraft II (3.00)

A continuation of THART 176. Study of the history, theory and practice of theatrical production areas including lighting, sound and scene design and construction. (C-ID THTR 171)

Prerequisite: None.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 40 hours per semester.

Lab: Minimum 24 hours per semester.

Departmental Recommendation: Successful completion of THART 176.

Applicable: UC, CSU, Associate Degree Applicable.

THART 205 - Play Directing (3.00)

Introduction to the basics of directing plays, including analyzing the script, casting the play, rehearsal techniques, coaching the actor and staging techniques. Study of the methods of organizing a production and working with designers to decide design elements including lighting, sets and costumes.

Prerequisite: THART 120.

Corequisite: None.

Offered: (Even Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

THART 220 - Intermediate Acting (3.00)

Study of intermediate acting techniques, including the use of scene study to develop skills in text analysis, characterization, body movement, vocal expression and ensemble playing. Introduction to the basics of poetic scansion and other techniques used in the performance of classical dramatic literature such as Shakespeare. (C-ID THTR 152)

Prerequisite: THART 120.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

THART 221 - Advanced Acting (3.00)

Theory and practice of characterization in solo and ensemble scenes.

Prerequisite: THART 220.

Corequisite: None.

Offered: (Sp).

Lecture: Minimum 48 hours per semester.

Departmental Recommendation: None.

Applicable: UC, CSU, Associate Degree Applicable.

THART 226 - Play and Screenplay Analysis (3.00)

Techniques of analysis necessary to understand the structure, construction and formats of plays and screenplays. Includes the study of the elements of plot, character, dialogue and theme in plays in a diverse selection of periods and styles and the structure and form of screenplays in diverse genres. This course is also offered as ENGL 226. (C-ID THTR 114)

Prerequisite: ENGL 010 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process.

Corequisite: None.

Also Offered As: ENGL 226.

Offered: (Fa).

Lecture: Minimum 48 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

THART 245 - Advanced Theatre Practicum II (3.00)

Participation in a variety of advanced activities associated with the preparation, rehearsal, production and performance of plays, musicals and dance performances including playwriting, performance, design or directing.

Prerequisite: THART 145.

Corequisite: None.

Offered: (Fa,Sp).

Lecture: Minimum 16 hours per semester.

Lab: Minimum 96 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

THART 246A - Special Projects in Theatre Arts (1.00)

Laboratory projects for selected students in any area of theatre, with projects determined jointly by instructor and student.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Independent Study: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

THART 246B - Special Projects in Theatre Arts (1.00)

Laboratory projects for selected students in any area of theatre, with projects determined jointly by instructor and student.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Independent Study: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

THART 246C - Special Projects in Theatre Arts (1.00)

Laboratory projects for selected students in any area of theatre, with projects determined jointly by instructor and student.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Independent Study: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

THART 246D - Special Projects in Theatre Arts (1.00)

Laboratory projects for selected students in any area of theatre, with projects determined jointly by instructor and student.

Prerequisite: None.

Corequisite: None.

Offered: (Fa,Sp).

Independent Study: Minimum 48 hours per semester.

Applicable: UC*, CSU, Associate Degree Applicable.

*UC will determine units granted AFTER transfer.

THART 250 - Advanced Summer Theatre Workshop (3.00)

Advanced opportunity for student actors, theatre technicians or theatre management personnel to further develop and refine their skills in a functioning professional theatre setting in the context of pre-production, rehearsal and public performance under the supervision of a professional staff.

Prerequisite: THART 150.

Corequisite: None.

Offered: (Sm).

Lab: Minimum 144 hours per semester.

Applicable: UC, CSU, Associate Degree Applicable.

VOC/N - Short Term Vocational (Noncredit)

VOC/N 601 - Blueprint for Workplace Success (NC)

This accelerated non-credit course is designed to provide students with the necessary tools and skills in order for them to create a "blueprint" for themselves with respect to the workplace. The topics covered include, but are not limited to, self-discovery, time management, job market realities, workplace skills (in-depth), effective communication, contacting employers, preparing for the interview, getting hired, and keeping your job.

Lecture: Minimum 36 hours per semester.

Applicable: Certificate Applicable.

VOC/N 602 - Blueprint for Customer Service (NC)

This short-term vocational education course is designed to provide new and incumbent workers with the customer service skills required to better understand their customers or clients and to increase their employability. The topics covered include but are not limited to understanding what customers want, listening to customers and customer service support. After completing this course the student has the option to continue their education or become gainfully employed.

Lecture: Minimum 18 hours per semester.

Applicable: Certificate Applicable.

VOC/N 603 - 30 Ways to Shine as a New Employee (NC)

This short-term vocational education course is designed to provide new and incumbent workers "30 Ways to Shine as a New Employee" and increase their level of customer service and colleague relations. The curriculum is modifiable for the English as a Second Language (ESL) student. The topics covered but are not limited to acclimating to a new

job, understanding the workplace culture, and dealing with change. After completing this course, the student has an option to continue their education or become gainfully employed.

Lecture: Minimum 9 hours per semester.

Applicable: Certificate Applicable.

VOC/N 604 - Workplace Computing (NC)

Fundamentals of computer hardware, software, and the internet for computer novices at the work place, introducing basic computer components and functions including hardware, operating systems, software applications, (e.g. word processing, spreadsheets, email) and web browsers to access information on the world wide web. The focus of this course is to prepare students to be competitive in securing employment, as well as retaining a job once they have acquired a job.

Lecture: Minimum 54 hours per semester.

Applicable: Certificate Applicable.

VOC/N 608 - Job Club (NC)

This course is designed to provide prospective employees with a support system that will assist them in preparation for the workforce. The curriculum is modifiable for the LEP students. The topics covered but are not limited to: job search planning, utilizing outside resources, the "hidden" job market, and job market research. After completing this course the student has an option to continue their education or become gainfully employed.

Lecture: Minimum 9 hours per semester.

Applicable: Certificate Applicable.

WKEXP - Work Experience

WKEXP 099 - General Worksite Experience (2.00 - 4.00)

All Work Experience classes are supervised by a faculty member to ensure that the work experience is of educational value. The course stresses good work habits and meeting of competencies through actual on the job performance. This course may be repeated three times for a maximum of 6 units.

Prerequisite: Must be employed or in volunteer service, but job need not be directly related to student's educational goals.

Corequisite: None. **Work Experience:** Minimum 150-300 hours Paid Employment or 120-240 hours Unpaid Employment per semester.

Applicable: Associate Degree Applicable.

WRIT/N - Writing (Noncredit)

WRIT/N 606 - Reading and Writing for Workplace Communication (NC)

This non-credit course is a review of basic reading comprehension and writing skills including basic grammar, punctuation, capitalization, vocabulary and spelling. Emphasis is placed on reading, writing and vocabulary building for effective workplace communication.

Lecture: Minimum 54 hours per semester.

Applicable: Certificate Applicable.

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Vice President

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Chancellor & Secretary to the Board

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Student Trustee (CHC)

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Student Trustee (SBVC)

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Chancellor

Jose Torres, M.P.A.
Vice Chancellor, Business & Fiscal Services

Richard Galope, M.B.A.
Associate Vice Chancellor, Economic Development & Corporate Training

Andrew Chang, M.S.
Interim Executive Director, Technology & Educational Support Services

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Director, Marketing, Public Relations, and Government Relations

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Director, Human Resources

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Director, Fiscal Services

Erika Almaraz, B.S.
Director, Internal Audit

Steven Sutorus, M.B.A.
Manager, Business & Fiscal Services

Mark Lagrimass, B.A.
General Manager, KVCR-TV/FM

Robert Miller, M.A.
Interim Chief of Police

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The Crafton Hills College Foundation is a tax-exempt organization established to receive gifts of both real and personal property as a basis for extending educational opportunities to students via scholarships, grants, loans, and other types of assistance.



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Crafton Hills College Administration

Wei Zhou, Pd.D.
President

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Vice President, Instruction

Michael Strong, B.S.
Vice President, Administrative Services

Rebecca Warren-Marlatt, Ed.D.
Vice President, Student Services

Robert Brown, Ed.D.
Interim Dean, Letters, Arts, & Mathematics

Joe Cabrales, M.A.
Dean, Student Services & Student Development

Kirsten S. Colvey, M.S.
Dean, Student Services/Counseling & Matriculation

Mark Snowwhite, M.A.
Interim Dean, Social, Informational, & Natural Sciences

Daniel Word, M.S.H.S.
Interim Dean, Career Education & Human Development

Keith Wurtz, Ph.D.
Dean, Institutional Effectiveness, Research & Planning

Larry Aycocock, M.A.M.
Interim Director, Admissions & Records

Wayne Bogh, M.B.A.
Director, Technology Services

Gloriann Chavez, A.A.
Director, Bookstore

Rejoice Chavira, Ed.D.
Director, EOPS/CARE/CalWORKs

Heather Chittenden, M.B.A.
Director, Aquatics

Larry Cook
Director, Facilities

Donna Hoffmann M.A.
Director, Marketing & Public Relations

John Muskavitch, B.S.
Director, Financial Aid

Ericka Paddock, Ed.D.
Director, Student Life

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Director, Community Relations & Resource Development

Deborah Wasbotten, M.A.
Director, Child Development Center

Jeremy Crooks
Supervisor, Custodial/Receiving

Marty Rea
Supervisor, Food Services

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Senator
Herberth Jaco

Senator
Jason Lee

Senator
Monique Marrujo

College Personnel and Faculty

Faculty

The dates in parentheses indicate the year of appointment to the San Bernardino Community College District.

ADAMS, Matthew C. (2001), Physics/Astronomy
Professor

A.A., Riverside City College, Riverside
B.A., University of California, Berkeley
M.S., Ph.D., University of California, Irvine

ALDER, Mike (2015), Fire Technology
Assistant Professor

A.S., Crafton Hills College
B.S., Chapman University

ALLEN, Denise R. (1998), Computer Information Systems
Professor

A.A., Cypress College
B.A., California State University, Chico
M.A., University of Redlands

ANDREWS, Breanna M. (2012), American Sign Language
Assistant Professor

B.A., California State University, Northridge
M.A., University of Redlands

BAILES, Brandi (2015), Mathematics
Assistant Professor

A.A. Crafton Hills College
B.S., California State Polytechnic University, Pomona
M.S., California State Polytechnic University, Pomona

BARRIE, Trinetta (2014), Counseling
Assistant Professor

M.E., Azusa Pacific University
M.A., California Baptist University

BARTLETT, Ryan (2006), English
Professor

B.A., California State University, San Bernardino
M.F.A., Mills College

BELL, Reynaldo V. (2002), Respiratory Care
Professor

A.S., Victor Valley Community College
B.S., California State University, San Bernardino

BOEBINGER, Kelly (1999), Chemistry
Professor

A.A., Riverside Community College
B.A., California State University, San Bernardino
M.S., University of California, Riverside

BOGH, Debra (2004), Counseling
Professor

A.A., Crafton Hills College
B.A., California State University, San Bernardino
M.A., University of Redlands

BRINK, T.L. (1989), Psychology
Professor

B.A., Claremont Men's College
A.M., Ph.D., University of Chicago
M.B.A., Santa Clara University

BROWN, Robert (2006), English
Associate Professor

B.A., University of Redlands
M.A., Pepperdine University
Ed.D., Azusa Pacific University

BRYANT, Tom (2004), Theatre Arts
Professor

A.A., College of Marin
B.A., San Francisco State University
M.F.A., Carnegie Mellon University

CERVANTEZ, Jeff (2014), Philosophy
Assistant Professor

M.A., Biola University
Ph.D., University of Tennessee

CRISE, Robert D. (2001), Mathematics
Professor

B.S., University of California, Riverside
M.A., California State University, Fullerton

CROW, Kathy (1998), Emergency Medical Services
Professor

A.S., Riverside Community College
B.V.E., California State University, San Bernardino

DIAL, Troylynn (2004), Counseling
Professor

B.A., University of California, Los Angeles
M.S., California State University, Los Angeles

DIPONIO, Gwendolyn (2004), English
Professor

B.A., M.A., California State University, San Bernardino

GIST, John E. (1998), Counseling
Professor

A.A., Santa Ana College
B.A., M.S., California State University, San Bernardino

GREYRAVEN, Ruth (1991), Biology
Professor

B.A., M.S., California State University, San Bernardino

HANLEY, Jodi (2004), Mathematics
Professor

A.S., San Bernardino Valley College
B.A., M.A., California State University, San Bernardino

HELLERMAN, Steven (2006), Political Science
Associate Professor

A.A., Cabrillo College
B.A., University of California, Santa Cruz
M.A., Claremont Graduate University

HENDRICKSON, Catherine (2005), Library
Professor

Paralegal Certification, Montclair University, New Jersey
B.S., B.A., Ramapo State College, New Jersey
M.L.S., Rutgers University, New Jersey
J.D., Seton Hall University School of Law, New Jersey

HOGREFE, Richard K. (2001), Communication Studies
Professor

B.S., Texas Christian University
M.A., Eastern Michigan University

HOLBROOK, James (1984), Emergency Medical Services
Professor

National Registry Emergency Medical Technician Paramedic, Loma Linda University
B.V.E., M.A., California State University, San Bernardino
Ed.D., Nova Southeastern University

HUGHES, Richard (2004), Earth Science
Professor

B.S., University of Pittsburgh, Johnstown
M.S., Ohio University

KOZANOVA, Marina (1999), Spanish
Professor

B.A., M.A., Moscow State University

LANGENFELD, Elizabeth (2006), English
Associate Professor

A.A., San Bernardino Valley College
B.A., M.A., California State University, San Bernardino

LEDOUX, Janine (1991), Health and Physical Education
Professor

B.S., M.Ed., Bridgewater State College
Ph.D., Loma Linda University

LOWE, Lynn (1999), Reading
Professor

A.A., San Bernardino Valley College
B.A., M.A., California State University, San Bernardino

MANSOURIAN, Farhad (1990), Economics
Professor

B.S., M.A., University of California, Riverside

MCATEE, Robert (2000), Counseling
Professor

B.S., M.A., California State University, San Bernardino

MCCONNELL, Mark D. (2001), Music
Professor

B.A., University of Northern Colorado, Greeley
M.M., University of New Mexico, Albuquerque

MCKEE, Julie (2004), Sociology
Professor

A.A., Riverside Community College
B.A., California State University, San Bernardino
M.A., California State University, Fullerton

MCLAREN, Meridyth (2002), Child Development and Education
Professor

B.A., Denison University
M.S., Purdue University

MENCHACA, Patricia (2012), STEM Pathways Coordinator
Assistant Professor

B.S., M.S., University of California Riverside

MORENO, Mariana B. (2011), Transfer Center Coordinator
Assistant Professor

B.A., M.S., California State University, San Bernardino

PETROVIC, Snezana (2002), Art
Professor

B.F.A., University of Belgrade, Yugoslavia
M.F.A., University of California, Irvine

PFAHLER, Diane (1996), Psychology
Professor

R.N., B.A., Quinnipiac College
M.A., California State University, San Bernardino
Ph.D., California School of Professional Psychology, Los Angeles

PHILLIPS, Theodore P. (2001), English
Associate Professor

B.S., California State Polytechnic University, Pomona
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Ed.D., Pepperdine University

QUACH, Patricia (2015), Tutoring Center
Assistant Professor

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M.A., University of La Verne

RABAGO, Ralph J. (1989), Health and Physical Education
Professor

B.A., University of Redlands
M.S., University of Idaho

RAHBARNIA, Shohreh (2015), Chemistry

Assistant Professor

B.S., University of California, Irvine

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RAMIREZ, Stephen J. (2001), Mathematics

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A.A., A.S., Mt. San Jacinto Community College

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Ph.D., Capella University

RIPPY, Scott (1996), Mathematics

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B.A., Brigham, Young University

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RIVERA, Ernesto D. (2013), Counseling

Assistant Professor

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ROJAS, Daniel (2015), Respiratory Care

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SALT, Kimberly (1999), Chemistry

Professor

B.S., M.S., Ph.D., University of California, Riverside

SCHMIDT, Jeffrey (2001), Spanish

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SHEAHAN, Michael (2009), Respiratory Care

Assistant Professor

A.A., B.A., M.A., Bellevue University

STERNARD, Evan (2014), Counseling

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SULLIVAN, Daniel (2006), Fire Technology

Professor

A.A., B.S., California State University, Los Angeles

THORNTON, Carla J. (2016), Veterans' Services

Coordinator / Counselor

A.S., Community College of the Air Force

B.A., University of Maryland University College

M.A., University of Redlands

M.S.W., University of Southern California

TRUONG, Sam (2010), Anatomy and Physiology

Professor

B.S., California State University, Los Angeles

M.D., Spartan Health Sciences University

URBANOVICH, Jimmy (2006), Communication Studies

Professor

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M.P.T., The King's Seminary

VASQUEZ, Violeta (2016), Counseling

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YAU, Margaret (2011), Computer Information Systems

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M.S., University of California, San Diego

XAYAPHANTHONG, Soutsakhone (2015), Counseling

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M.A., University of Redlands

Administrators

AYCOCK, Larry, (2000), Admissions & Records
Director

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 B.A.M., M.A.M. University of Redlands

BAKHIT, Kathy, (2017), Instruction Office
Vice President

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 Ed.D., University of La Verne

BOGH, Wayne, (1998), Technology Services
Director

BS-EB, MBA, University of Phoenix

BROWN, Robert, (2006), Letters, Arts, & Mathematics
Interim Dean

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 M.A., Pepperdine University
 Ed.D., Azusa Pacific University

CABRALES, Joe, (2002), Student Services & Student Development
Dean

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CHAVEZ, Gloriann, (1994), Bookstore
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A.A., Fashion Institute of Design and Merchandising

CHAVIRA, Rejoice, (1999), EOPS/CARE/CalWORKs
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 M.A., California State University, Dominguez Hills
 Ed.D., Argosy University, Orange County

CHITTENDEN, Heather, (2013), Aquatics
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COLVEY, Kirsten S., (1981), Student Services, Counseling &
 Matriculation

Dean
 B.A., University of California, Santa Cruz
 M.A., California State University, San Bernardino
 M.S., Pepperdine University

COOK, Larry, (2010), Facilities
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CROOKS, Jeremy, Custodial/Receiving
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HOFFMANN, Donna, (2002), Marketing & Public Relations
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 M.A., California State University, San Bernardino

MILLER, William, (2017), Disabled Student Programs & Services
Director

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MUSKAVITCH, John, (1999), Financial Aid
Director

A.A., Northern Essex, Haverhill, MA
 B.S., California State University, Long Beach

PADDOCK, Ericka, (2006), Student Life
Director

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REA, Marty, (1992), Food Services
Supervisor

RIGGS, Michelle, (2008), Community Relations & Resource
 Development

Director
 A.A., Crafton Hills College
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 M.A., University of Redlands

SNOWWHITE, Mark, (2014), Social, Informational, & Natural Sciences
Interim Dean

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STRONG, Michael, (2008), Administrative Services
Vice President

A.S., Utah Valley State College
 B.S., Brigham Young University

WARREN-MARLATT, Rebecca, (1994), Student Services
Vice President

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 Ed.D., University of Redlands

WASBOTTEN, Deborah, (2012), Child Development Center
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WORD, Daniel (2001), Career Education & Human Development
Interim Dean

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 B.V.E., California State University, San Bernardino
 M.S.H.S., Western University of Health and Sciences, Pomona

WURTZ, Keith, (2010), Institutional Effectiveness Research & Planning

Dean

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M.A., California State University, Fullerton

Ph.D., Walden University

ZHOU, Wei, (2016)

President

Ph.D., University of Texas at Austin

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ARMSTRONG, Larry
Custodian

BARRA, Victoria
Administrative Secretary, Student Services

BEDOYA, Michael
Lab Technician, Art

BENDER, Mary
Administrative Secretary, Career Education & Human Development

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Administrative Assistant I, Instruction
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Child Development Assistant
B.A., California Lutheran University

BOATMAN, John
Grounds Caretaker

BRUNER-JONES, Sherri
Clerical Assistant II, Instruction

BRYDSON-HORTON, Annie
Child Development Assistant
B.S., Sam Houston State University

BRYSON, Richard
Custodian/Courier

CAMARENA, Armando
Custodian

CARRILLO, Antonio
Grounds Caretaker

CARRILLO, Minerva
Custodian

CHAURE, Miguel
Maintenance Technician

CHAVEZ, Edward
Warehouse Technician

COLE, Judith
Learning Resources Assistant
A.A., San Bernardino Valley College

COLE, Michelle
Secretary II, Student Life

DAVILA, Javier
Grounds Caretaker

DAVILA, Maria
Bookstore Assistant II

DAVIS, Lynnette
Account Clerk II, Campus Business Office

DONALDSON, Dawn
Library Media Clerk
A.A., Crafton Hills College

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Lab Technician, Chemistry
B.S., Bowling Green University
M.A., State University of New York, Buffalo
M.A., California State University, San Bernardino
M.S., State University College, Buffalo

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B.S., California State University, Fresno

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M.S., Kaplan University

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GRAY, Tracy
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A.S., Chaffey College

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Lab Technician, Anatomy & Physiology
A.S., Crafton Hills College
B.S., California State University, San Bernardino

HAYTON, Claudia
Clerical Assistant II, Financial Aid
B.S., University of La Verne

HEILGEIST, Kristina
Catalog & Schedule Data Specialist, Student Services

HOLT, Kelly
Lead Custodian

HOLTEGAARD, Alisa
Child Development Teacher
A.A., San Bernardino Valley College

IRGANG, Peggy
Food Service Specialist

JACO, Herberth
Lab Technician, Physics
A.S., Physics, San Bernardino Valley College
A.S., Chemistry, San Bernardino Valley College
A.S., Biology, San Bernardino Valley College
A.S., Biochemistry, San Bernardino Valley College
A.A., Liberal Arts, San Bernardino Valley College
B.S., California State University, San Bernardino

JOHLE, Christina
Child Development Teacher
A.A., Crafton Hills College

JOHNSON, Corey
Lab Technician, Computer Lab

JOHNSON, Daniel
Custodian

KIRKHART, Richard
Grounds Caretaker

LARA, Naomi
Secretary II, Emergency Medical Services & Fire Technology

LEE, Jason
Custodian

LEHMAN, Veronica
Financial Aid Specialist, Financial Aid

LIMOGES, Kevin
Computer Technician
A.S., Anthem College

LOPEZ, Richard
Custodian

MARRUJO, Monique
Senior Student Services Technician
A.A., San Bernardino Valley College
B.A., M.A., California State University, San Bernardino

MAY, Anquanetta
Switchboard Operator

McCARTNEY, Karen
Lab Technician, Biology
A.S., College of the Siskiyou's
B.S., Humboldt State University
B.S., Concord College

McGEE, Stephanie
Child Development Teacher
B.S., Pacific Union College

MEALEY, Elizabeth
Library Technical Assistant II
B.S., University of Maine, Augusta

MENA, Matthew
Custodian

MELLO, Brandice
Student Services Technician II, Counseling

MOORE, Christin
Financial Aid Specialist, Financial Aid

MORALES, Caritta
Student Services Technician, Assessment Center

MORENO, Carol
Book Buyer

MORENO, Joe
Maintenance Technician

MOTTL, Karen
Computer Technician

NGUYEN, Ben
Custodian

OLIVER, Laura
Administrative Assistant I, Student Services

OLMOS, Jose
HVAC/R Technician

ORTA, Rebecca
Senior Student Services Technician, Counseling

PALKKI, Kevin
Theatre Technician
A.A., Crafton Hills College
B.A., California State University, San Bernardino
M.B.A., University of Redlands

PERAZA, Zayne
Library Technical Assistant II

PETERSON, Karen
Tutorial Coordinator
B.A., Weber State University

POMPA, Rebecca
Clerical Assistant II, Administrative Services
A.A., San Bernardino Valley College

QUACH, An
Custodian

RAHN, Charlie
Multimedia Specialist

RIVERA, Valerie
Child Development Assistant

RODRIGUEZ, Natividad

Senior Student Services Technician, EOPS/CARE

RUSH, StevenAdmissions & Records Specialist
VA Certifying Official**SANFORD, Renee**

Lab Technician, Microbiology

SIMONSON, KristiWeb Developer
A.A., Crafton Hills College
B.A., California State University, San Bernardino**SIMPSON, Floyd**

Admissions & Records Technician

SOUSA, Juanita

Financial Aid Coordinator

SOUTHERLAND-AMSDEN, FrancesSenior Student Services Technician, Assessment
A.A., Business Administration, Crafton Hills College
A.A., Sociology, Crafton Hills College
A.S., Spanish, Crafton Hills College**ST. JEAN, Cyndie**Administrative Assistant II, President's Office
A.A., San Bernardino Valley College**SUTPHIN, Ginger**Administrative Secretary, Instruction
A.A., Crafton Hills College
B.S., University of Redlands
M.A., University of Redlands**SWEETING, Christina**

Secretary II, Health & Wellness

TINOCO, MichelleEvaluator, Admissions & Records
A.A., San Bernardino Valley College
B.A., California State University, San Bernardino
M.A., University of Redlands**TOWNSEND, Jonathan**Instructional/Assessment Technician
B.A., University of Redlands
M.A., Claremont Graduate University, Claremont**URIBE, Reyna**Admissions & Records Technician
B.A., California State University, San Bernardino**VELONI, Shane**Senior Multimedia Specialist
A.S., San Bernardino Valley College
B.S., California State Polytechnic University, Pomona**WALLACE, Melinda**

Child Care Assistant

WHEELER, Kaila

Bookstore Assistant I

WHITE, AnthonySenior Technology Support Specialist
A.S., Crafton Hills College
B.S., California State Polytechnic University, Pomona

M.A., National University

WILSON, Kathryn

Administrative Secretary, Counseling & Career Center

ZUNIGA, Ruby

Administrative Secretary, Institutional Effectiveness, Research & Planning

President Emeriti

Luis S. Gomez (1976-2000)
President

Gloria M. Harrison (1968-2012)
President

Cheryl Marshall (2007-2016)
President

Vice Presidents Emeriti

James G. Bisi (1968-1997)
Vice President, Student Services

Gordon A. Clopine (1961-1997)
Vice President, Administrative Services

Alex Contreras (1997-2009)
Vice President, Student Services

Dean Emeriti

Judith Ashton (2007-2009)
Dean, Humanities & Social Science

Donna Ferracone (1989-2009)
Dean, Career & Technical Education

Ronald O. Kibby (1977-2001)
Dean, Occupational Education

Laurens Thurman (1972-2009)
Dean, Math, Science, Health & Physical Education

Don A. Yowell (1972-1987)
Dean, Student Personnel Services

Professors Emeriti

Joseph T. Allen (1954-1984)
Geology

H. D. Anderson (1946-1978)
Foreign Language

Sandra Andrews (1985-2009)
Emergency Medical Services

Roger C. Anton (1946-1976)
President
Named Professor Emeritus (posthumously) by the Board of Trustees,
June 3, 1977

Letitia D. Antone (1988-2003)
Counseling

George Ashton (1957-1978)
History

Judith Ashton (1985-2009)
English

Olen Baggett (1965-1986)
Physical Education

James G. Bisi (1968-1997)
Counseling

Doris Boardman (1961-1982)
Library

Ron Boatman (1994-2003)
Geology/Geography

C.A. (Tony) Brainard (1976-2009)
Respiratory Care

Josephine E. Broholm (1947-1975)
Speech

Kenneth Bryson (1979-2013)
Respiratory Care

Clifford Cabanilla (1972-2002)
Theatre Arts

Marian T. Carter (1970-1993)
Speech

Edward L. Chapin, Jr. (1953-1987)
Assistant Dean Continuing Education & Community Services

Robert Cismowski (1978-2003)
Mathematics

Gordon A. Clopine (1961-1997)
Geology

Deborah DeSalliers (1976-2007)
Physical Education

Mildred M. Douthit (2001-2013)
Disabled Student Programs & Services

Jay C. Edwards (1982-1997)
Computer & Information Sciences

Donna Ferracone (1989-2009)
Emergency Medical Services

Bradley Franklin (1979-2015)
Respiratory Care

Robert T. Galbraith (1972-1999)
Biology/Oceanography

Richard H. Gatchel (1971-1987)
Philosophy/Religious Studies

Judy Giacona (1980-2014)
Health & Wellness

Kathleen Gibson (1994-2015)
Mathematics

Luis S. Gomez (1976-2000)
President

Raymond Gonzalez (1972-2003)
Spanish

Virginia M. Gaustad (1970-1987)
Office Administration

Barton L. Griffith (1976-2003)
Marketing & Business Administration

Kenneth L. Grub (1965-1982)
History

Judith Harrington (1990-2013)
Counseling

Gloria M. Harrison (1968-2012)
Spanish

Gerald A. Holtke (1975-2003)
Accounting

William H. Hoyt (1955-1987)
Physical Education

Marita "JoAnn" Jones (2000-2014)
Human Development

Eugene V. Kadow (1966-1995)
Economics

Francis J. Kling (1965-1992)
Sociology

John "Terry" Koeper (1999-2014)
Fire Technology

Arnold Kosmatka (1978-2009)
Counseling

Clarence D. Lambert (1965-1987)
Chemistry

Mamerto D. Licerio (1979-2010)
Disabled Student Programs & Services

Damaris Matthews (1985-2014)
Disabled Students Programs & Services

Arthur F. Miller (1974-1989)
Psychology

Wayne Milloy (1976-2003)
Mathematics

Gloria Molino (1990-2003)
Counseling

Gordon Munro (1966-2003)
Politics

Violet Neuman (1976-1997)
Counseling

Bob O' Toole (1990-2014)
Business & Accounting

Dr. Bill Orr (1971-2003)
Mathematics

Catherine Pace-Pequeno (2001-2010)
Business & Information Technology

Sylvester L. Patrick (1964-1987)
Counseling

Mario A. Perez (1974-2010)
History

Harold B. Pigott (1946-1975)
English

Gary L. Reese (2002-2017)
Emergency Medical Services

Agustin Rios (1985-2003)
EOPS/CARE Coordinator

Bret Scaliter (2000-2012)
English

Walter C. Schuiling (1964-1984)
History & Politics

Jean Searle-Grassick (1995-2007)
Child Development & Education

Lisa A. Shimeld (1989-2017)
Microbiology

Eddie Smith (1991-2003)
Fire Technology

Mark Snowwhite (1967-2009)
English

V. Dean Stewart (1950-1981)
Chemistry

Katharyn K. Taylor (1979-2005)
Respiratory Care

Laurens Thurman (1972-2009)
Physics

Linda P. Tung (1972-2001)
Mathematics

Robert Turley (1976-2003)
Sociology

Susan Vajna (1986-2007)
Business Administration

Frances White (1998-2010)
Counseling

Donald R. Wirz (1972-1999)
Chemistry

William R. Wright (1977-1999)
Work Experience

GLOSSARY OF TERMS AND PHRASES

AA-T and AS-T degrees: AA-T and AS-T refers to Associate Degree for Transfer awarded at Crafton Hills College (refer to the index to locate the information in the catalog). Students completing these degrees are guaranteed admission to a CSU system, but not to a particular campus or major.

Academic Renewal: A procedure which will allow students to delete up to 30 units of coursework earned at Crafton Hills College. A minimum of 24 units must be completed with a 2.5 GPA and at least one year must have passed. For more information, see the college Catalog.

Academic Year: For a degree granting institution it is a period including a minimum of 30 weeks of instruction; typically it is the period between the first day of the fall semester and the last day of the following spring semester.

Access: A personal inspection and review of a record or an accurate copy of a record.

Advanced Placement (AP): The opportunity to receive college credit on the basis of performance on tests administered by the College Entrance Examination Board at the high school level.

Appeal: A request by a complainant made in writing to a community college district governing board to review the administrative determination of a complaint of discrimination.

Answer Center: A place that offers help to channel students to where they need to go or where they can get their questions answered most efficiently.

Arranged (ARR): A time designed in the class schedule which requires students to arrange appropriate class meeting times with the instructor on an individual basis.

Articulation: Articulation agreements are formal agreements between two campuses. They define how courses taken at one college or university campus can be used to satisfy a subject matter requirement at another college or university.

Assessment: Most students who enroll in courses at Crafton Hills College must take the Accuplacer. Accuplacer scores are used to recommend placement in English, Mathematics and Reading.

ASSIST (www.assist.org): The database that contains all of the current articulation agreements between the 112 California Community Colleges, the 23 California State Universities and the 9 Universities of California. ASSIST also contains lists of all of the courses that transfer from Crafton Hills College to both CSU and UC, as well as lists of CHC courses that apply to the major preparation requirements for both the CSU and UC systems.

Associate Degree: The degree granted upon completion of a program of study in a specific major or area of specialization. This program includes a minimum of 60 units of course work with a minimum of 18 units in a major area and 28 units of general education requirements.

Bylaw: A rule governing matters within a corporation

C-ID: A statewide numbering system that can be used to identify comparable courses at different community colleges. Useful for students attending more than one community college.

Career-Technical: Refers to programs and courses which prepare students for entry-level employment in a specific field of work. For example: Emergency Medical Services, Fire Technology, Respiratory Care.

Certificate: A certificate may be awarded after completing a specific number of units within a particular vocational/technical field of study.

CLEP: The opportunity to receive college credit on the basis of performance on examination which are part of the College Level Examination Program administered by the College Entrance Examination Board.

Class Schedule: A complete listing of courses offered, class times, instructor names, room numbers and important dates to remember. The class schedule is published each semester and in the summer.

College Catalog: Published every year, the catalog describes college programs, services, degrees, graduation requirements, academic policies and courses taught throughout the year.

Complaint: A written and signed statement that alleges unlawful discrimination.

Corequisite: Course or skill prerequisites which require that a student be enrolled in two supporting classes during the same semester as a condition of enrollment. For example, ACCT 210 requires that you be enrolled in ACCT 211 during the same semester.

Confer: to bestow; to consult

Continuing Education: Instruction in any of the following circumstances: (1) Only in subjects licensees are required to take as a condition of continued licensure and solely for that purpose; (2) Only in subjects necessary to continue to practice/work in a profession such as law/medicine and solely for that purpose; (3) To persons who are already in a particular profession, trade or job category for the sole purpose of enhancing their skills/knowledge within that particular profession, trade or job category.

Continuous Attendance: Attendance in at least one or more semesters at Crafton Hills College with a break of less than one year.

Course: An organized pattern of instruction on a specified subject, offered by a community college.

Course and Skills Prerequisite: An academic requirement which must be fulfilled and verified prior to registration in a specific course for which that prerequisite is prescribed.

Course Number: The number immediately following a course title. For example: ENGL 101, MATH 095.

Course of Study: Either a single course or a set of related courses in which a student enrolls.

Credit by Examination: College credit may be earned by successfully completing a departmental examination that allows students to demonstrate competence based on prior knowledge of the subject matter.

CSU System: The California State University System includes 23 universities. The closest campuses to CHC are: CSU San Bernardino, Cal Poly Pomona, CSU Los Angeles, CSU Fullerton and CSU San Marcos. Visit www.calstate.edu for a complete list and location of all campuses.

Degree: An academic title such as but not limited to, associate, bachelor, master or doctorate.

Directory: Contains one or more of the following items: student's name, address, telephone number, date and place of birth, major field of study, class schedule, participation in officially recognized activities and sports, weights and heights of members of athletic teams, dates of attendance, degrees and awards received, the most recent previous public or private school attended by the student and any other information authorized in writing by the student.

Drop: The process which allows students to withdraw from a class through the 14th week of the semester. Check the semester class schedule of deadline dates affecting the drop process.

Educational Program: An organized sequence of courses leading to a defined objective, a degree, a certificate, a diploma, a license, or transfer to another institution of higher education.

Extended Day: Classes which begin after 4: 00 pm.

Fee Waiver: Process which allows qualified students to waive the registration fee. See the Financial Aid Office for more information.

FERPA: Family Educational Rights and Privacy Act; Federal and State Law does not permit access to or release of any information contained in student education records to any unauthorized party or agency without proper court orders or written consent of the student. All Students records are administered in accordance with the FERPA act. Subsequently, no information will be disseminated to anyone other than student.

Financial Aid: Payment of funds provided to an individual (or a payment in kind of tangible or intangible property to the student) which is conditioned on the student's attendance at a community college.

Freshman Status: Students who have completed less than 30 semester units.

Full Time Status: Enrollment in 12 or more semester units.

General Education Certification: The process by which CSU general education and IGETC courses are certified as being completed so students are not held to lower division requirements of the individual CSU or UC campus. Some Private and Out-of-State universities accept full CSUGE or IGETC certification in lieu of their own general education requirements - please check with each individual campus. Students must apply for certification through the Admissions and Records Office on their final transcripts.

General Education Requirements: Courses required of all students who plan to receive an A.A. or A.S. degree from Crafton Hills College. See your counselor for more information.

Grade Review: A procedure which allows students who feel they were not graded fairly to seek a course of action. See the Student Grievance Procedure in the CHC catalog on page 40.

Graduate-level: Of academic study beyond the baccalaureate level.

Infraction: A violation

Innuendo: An indirect, usually disparaging, remark

Instruction: Includes any specific, formal arrangement by an institution or its enrollees to participate in learning experiences in which the institution's faculty or contracted instructors present a planned curriculum appropriate to the enrollee's educational program.

Major: A course of study followed by students who express specific vocational and/or academic interest in a particular field. For example: Art, Psychology, or Business Administration.

Matriculation: A process which involves the assessment, orientation, counseling and follow up of CHC students in order to help them complete courses successfully and to reach their goals. See the CHC Catalog page 28 for more information.

Non-Transferable: Non-Transferable refers to courses whose units do not transfer for credit to a CSU and/or UC system. For a list of transferable courses, refer to www.assist.org.

Non-Tutorial: Courses which are taught using a traditional classroom approach, not requiring additional student time in the Tutoring Center.

Open Entry/Open Exit Courses: Courses in which students may enroll at various times, may complete at various times or at varying paces, and for which student's may receive varying credit, and may be conducted with or without regularly scheduled hours.

Orientation: Process which acquaints students and potential students with college programs, services, facilities and grounds, academic expectations and institutional procedures.

Pass/No Pass: Students taking courses in which pass/no pass grading is allowed will earn "P" (pass), which is equal to no less than a "C" grade or "NP" (no pass) which is equal to a "D" or "F" grade. Grades of "P" or "NP" will not be calculated into the student's GPA. Formerly known as credit/no credit ("CR"/"NC").

Plagiarize: To copy (whether from a book, article, broadcast, internet, or another student) and claim as one's own work

Preamble: An introductory declaration

Prerequisite: A course which must be completed before enrollment in a more advanced course. For example, SPAN 101 is a prerequisite for SPAN 102.

Probation (Academic): Status indicating that at least 12 semester units have been attempted with an earned grade-point average below 2.0 in all units attempted at the college.

Probation (Progress): Status indicating that of at least 12 units attempted at the college, grades of "W", "I", or "NC" were earned in 50% or more of all units for which the student has enrolled at the college.

Program: Set of related courses for which a student enrolls.

Putative: Reputed; supposed

Quad: A quadrangle (courtyard or courtyard and its buildings). Crafton's quad is located between the Library (LR) and Lab/Administration (LADM) buildings.

Report Delayed: The "RD" may be assigned by the Admissions & Records Office only. It is to be used when there is a delay in reporting the grade of a student due to circumstances beyond the control of the student. It is a temporary notation to be replaced by a permanent symbol as soon as possible. "RD" shall not be used in calculating grade point averages.

Sanction: Permission or approval; action by one state against another to force compliance with an obligation.

Satellite: An auxiliary classroom or a teaching site.

Semester: The term used to define the two periods of instructional activity that make up one academic year. Each semester is approximately 18 weeks in length. The Fall semester begins in August, and ends in December. The Spring semester begins in January and ends in May.

Site: Main location, branch or satellite campus.

Sophomore status: Students who have completed between 30 and 60 units.

Student Record: Any item of information directly related to an identifiable student, maintained by a community college.

Transcripts: The official college record of all courses attempted and completed while at Crafton Hills College. A student is entitled to two copies of his/her transcript at no cost if ordered to be mailed in person. A charge of \$10.00 will be made for each additional transcript. A charge of \$20.00 will be made for each transcript picked up on the same day it is ordered. A charge of \$5.00 will be made for each transcript ordered online plus an additional processing fee.

Transferable: Transferable refers to courses whose units transfer for credit to the CSU and/or UC system and are identified in the college catalog course description and can also be found on www.assist.org.

UC System: The University of California (UC) System includes the following campuses: UC Berkeley, UC Davis, UC Irvine, UC Los Angeles, UC Merced, UC Riverside, UC San Diego, UC San Francisco, UC Santa Barbara and UC Santa Cruz. Refer to www.universityofcalifornia.edu for more information.

Unit: College work is measured in terms of semester units. Generally, the number of units earned in a class equals the number of hours per week the class meets. For example, a one unit lecture class meets one hour per week, a three unit lecture class meets three hours per week. For each unit, there may be 2-3 hours of homework or work outside the class hours.

Vindicate: To clear as from suspicion; to uphold and justify

Work Experience: Program designed for students who are employed for a minimum of 10 or more hours per week, to provide instruction and advisement related to actual work experience.

CONTACTS

Law, Board Policy, or Administrative Procedure ^a	Person Responsible, Location, and Phone Number
Academic Policies And Procedures	Dean, Student Services/Student Support, CCR 236 (909) 389-3368
Americans With Disabilities Act	Vice President, Student Services, CCR 245 (909) 389-3355
Bulletin Board Policy 3410	Director, Student Life, CCR 154 (909) 389-3410
Campaign And Election Policy	Director, Student Life, CCR 154 (909) 389-3410
Disabilities Laws And Regulations	Vice President, Student Services, CCR 245 (909) 389-3355
Drugs And Alcohol, District Policy	Chief of SBCCD Police, (909) 384-3277
Family Education Rights And Privacy Act Of 1971	Dean, Student Services/Student Support, CCR 236 (909) 389-3368
Matriculation Plan And Appeals Process	Dean, Student Services/Counseling and Matriculation CCR 239, (909) 389-3327
Sections 504 And 508 Of The Rehabilitation Acts	Vice President, Student Services, CCR 245 (909) 389-3355
Sexual Harassment Policy	Vice President, Student Services, CCR 245 (909) 389-3355
Student Code Of Conduct	Vice President, Student Services, CCR 245 (909) 389-3355
Student Grievances	Vice President, Instruction, CCR 241 (909) 389-3202
Title IX Prohibiting Sex Discrimination And Harassment In Education	Vice President, Student Services, CCR 245 (909) 389-3355
Accrediting Commission For Community And Junior Colleges ^b	Accreditation Liaison Officer, CCR 245 (909) 389-3355 for inquiries

^a District policies and procedures are available on the San Bernardino Community College District website, http://www.sbccd.org/Board_of_Trustees/Policies_-_a_-_Procedures.

^b Accreditation by the Western Association of Schools and Colleges is an expression of confidence that an institution is satisfactorily achieving its objectives, and that it meets or exceeds the Commission's standards and abides by Commission policies. The Commission is concerned with institutional integrity and with performance consistent with Commission standards and policies. While it cannot intervene in the internal procedures of institutions or act as a regulatory body, the Commission can and does respond to complaints regarding allegations of conditions at affiliated institutions that raise significant questions about the institution's compliance with the standards expected of an accredited institution. Students and community members have the right to file a complaint with the Commission. Information regarding the complaint process is available on the Commission's website, <http://californiacommunitycolleges.cccco.edu/ComplaintsForm.aspx>.

APPENDIX

CRAFTON HILLS COLLEGE AA/AS DEGREE REQUIREMENTS 2017-18

Completion of a minimum of twenty-eight (28) units of general education must be distributed as indicated. No single course may be used to meet more than one general education requirement, **except in areas F1 and F2.** However, courses taken to complete a major may also apply to general education.

A. NATURAL SCIENCES (4 UNITS)

ANAT 101, 150, 151, **ASTRON** 150, 150H AND 160, **BIOL** 100, 130, 130H, 131, 131H, **CHEM** 101, 102, 150, 150H, 151, 151H, 212, 213, **ENVS** 101 or **ENVS** 101H AND 110 **GEOG** 110 or 110H AND 111 or 111H, 114, **GEOL** 100, 100H, 101 or 101H AND 160, 112, 140 AND 141, **MICRO** 102, 150, **OCEAN** 100, **PHYSIC** 100, 110, 111, 250, 251, 252
Transfer Credit _____

MET IP NEED

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B. SOCIAL AND BEHAVIORAL SCIENCES (3 UNITS)

ANTHRO 100, 102, 102H, 106, 106H, 107, 136, **BUSAD** 100, **CD** 105, 126, **COMMST** 135, 174, **ECON** 100, 200, 200H, 201, 201H, **GEOG** 102, 102H, 120, **HIST** 100, 100H, 101, 101H, 107, 145, 150, 170, 170H, 171, 171H, **JOUR** 135, **POLIT** 100, 100H, 102, 104, 106, 110, 122, **PSYCH** 100, 100H, 101, 102, 103, 110, 111, 118, **RELIG** 120, **SOC** 100, 100H, 105, 120, 130, 132, 141, 145, 150
Transfer Credit _____

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C. HUMANITIES AND FINE ARTS (6 UNITS)

1. Humanities-3 units from the following:

ANTHRO 107, 110, 136, **ARABIC** 101, 102, 103, 104, **ASL** 101, 102, 103, 104, 105, 110, **ENGL** 108, 109, 150, 152, 155, 155H, 160, 163, 175, 250, 260, 261, 270, 271, 275, 280, 281, **FRENCH** 101, 102, 103, 104, **HIST** 100, 100H, 101, 101H, 107, 135, 145, 150, 170, 170H, 171, 171H, **HUM** 101, 102, 103, 140, **JAPN** 101, 102, 103, 104, **PHIL** 101, 101H, 105, 105H, **RELIG** 100, 100H, 101, 101H, 110, 113, 120, 135, 175, 176, **RUS** 101, 102, **SPAN** 101, 102, 103, 104, 157, 158, **THART** 108, 109
Transfer Credit _____

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2. Fine Arts-3 units from the following:

ART 100, 100H, 102, 102H, 103, 105, 113, **COMMST** 120, 120H, **DANCE** 200, 200H, **ENGL** 170, 232, **HUM** 103, 140, **MUSIC** 100, 103, 103H, 120, 120H, 134, **THART** 100, 100H
Transfer Credit _____

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D. LANGUAGE AND RATIONALITY (13-14 UNITS)

1. Written Traditions-4 units from the following:

ENGL 101, 101H, 146
Transfer Credit _____

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2. Oral Traditions-3 units from the following:

BUSAD 145, 155, **COMMST** 100, 100H, 111, 111H, 140, 145, 155
Transfer Credit _____

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3. Quantitative Reasoning 3-4 units from the following:

CSCI 200, **MATH** 095, 102, 103, 106, 108, 110, 115, 141, 160, 200, 250, 251, 252, 265, 266, **PSYCH** 108, 120
Transfer Credit _____

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4. Critical Thinking and Informational Literacy-3 units from the following:

COMMST 125, 125H, **ENGL** 102, 102H, 104, **LIBR** 100, **PBSF** 127, **PHIL** 103
Transfer Credit _____

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E. HEALTH AND WELLNESS (2-3 UNITS)

COUN 120, **DANCE** 101, 102, 103, 104, 130 (A,B,C, or D), 143 (A,B,C, or D), 163 (A,B,C, or D), **HEALTH** 102, 263, 263H, **KIN/D** (all courses), **KIN/F** (all courses except KIN/F 970 A,B,C and D), **KIN/S** (all courses), **KIN/X** (all courses)
Transfer Credit _____

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F. As part of the 28 units of general education coursework, students must satisfy the following two requirements:

1. Diversity and Multiculturalism-A minimum of one course chosen from this group may be taken as part of areas A-E above.

ANTHRO 107, 110, 136, **ARABIC** 101, 102, 103, 104, **ASL** 101, 102, 103, 104, 105, 110, **COMMST** 174, **ENGL** 160, 163, 280, 281, **FRENCH** 101, 102, 103, 104, **GEOG** 102, 102H, **HIST** 107, 150, 170, 170H, 171, 171H, **HUM** 101, 102, 140, **JAPN** 101, 102, 103, 104, **RELIG** 101, 101H, 110, 113, 120, **RUS** 101, 102, **SPAN** 101, 102, 103, 104, 157, 158, **SOC** 105, 120, 132, 141, 145, 150
Transfer Credit _____

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(check box)

2. American Heritage-A minimum of one course chosen from this group may be taken as part of areas A-E above.

ENGL 260, 261, **HIST** 100, 100H, 101, 101H, 135, 145, **MUSIC** 103, 134, **POLIT** 100, 100H, **RELIG** 135
Transfer Credit _____

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(check box)

GENERAL EDUCATION (Minimum 28 units)
MAJOR COURSES (See a counselor for details)
ELECTIVES

TOTAL (Minimum 60 UNITS)

ENGLISH REQUIREMENT
MATH REQUIREMENT
READING REQUIREMENT

NAME _____ ID# _____ COUNSELOR _____ DATE _____

CRAFTON HILLS COLLEGE

CALIFORNIA STATE UNIVERSITY (CSU) GENERAL EDUCATION REQUIREMENTS 2017-18

General Provisions:

- Students are required to complete a minimum of 39 units in areas A-E for full certification of lower division general education requirements. **Upon request to the Admissions and Records Office, CHC will certify** completion of the following pattern to be applied toward the total general education requirement at any CSU.
- This pattern of general education **IS NOT** applicable to any campus of the University of California (UC). Please refer to the specific UC catalog of your choice, and/or the Intersegmental General Education Transfer Curriculum (IGETC) for transfer to CSU and UC.
- Completed courses **MAY NOT** be applied in more than one area.
- COURSES IN BOLD PRINT ARE RETROACTIVELY APPROVED FOR FALL 2016 AND THEREAFTER.**

A. ENGLISH LANGUAGE COMMUNICATION AND CRITICAL THINKING

9 semester units or 12 quarter units required. Students **MUST** complete one course in each of the three areas listed with a "C" or better **prior to transfer**.

- COMMST 100, 100H, 111, 111H or 140
- ENGL 101, 101H
- COMMST 125, 125H, ENGL 102, 102H or PHIL 103

Courses from other colleges ("C-" or better): _____

AP/CLEP exams: _____

Met	IP	Need

B. SCIENTIFIC INQUIRY AND QUANTITATIVE REASONING

9 semester units or 12 quarter units required. **Choose** at least one course from each area. At least one of the science courses must have a laboratory. Laboratory courses are underlined.

1. Physical Science

ASTRON 150, 150H + 160; CHEM 101, 102, 123, 150, 150H, 151, 151H, 212, 213; ENVS 101, 101H, 110; GEOG 110, 110H, 111, 111H, 114, 115, 126; GEOL 100, 100H, 101, 101H, 112, 113, 140, 141, 150, 150H, 160, 250; OCEAN 100, 101, 101H; PHYSIC 100, 110, 111, 250, 251, 252; PS 101

2. Life Science

ANAT 101, 150, 151
 ANTHRO 106, 106H
 BIOL 100, 123, 130, 130H, 131, 131H
 ENVS 101, 101H, 110
 MICRO 100, 102, 150

3. Laboratory Activity

This requirement is satisfied by completion of any laboratory course in B1 or B2.

Laboratory courses are underlined.

4. Mathematics

One course required with a "C" or better **prior to transfer**. CSCI 200; MATH 102, 103, 108, 110, 115, 141, 160, 200, 250, 251, 252, 265, 266; PSYCH 108, 120

Courses from other colleges: _____ AP/CLEP exams: _____

Met	IP	Need

C. ARTS AND HUMANITIES

9 semester units or 12 quarter units required. **MUST** include at least one course from area 1 AND area 2. **Two** courses maximum per discipline may be applied.

- ART 100, 100H, 102, 102H, 103, 105, 113
 DANCE 200, 200H
 ENGL 108, 109, 226
 HUM 140
 MUSIC 100, 103, 103H, 120, 120H, 134;
 THART 100, 100H, 108, 109, 226
- ANTHRO 107, 110, 136; ARABIC 101, 102, 103, 104, ASL 101, 102, 103, 104, 105, 115;
 ENGL 150, 152, 152H, 155, 155H, 160, 163, 170, 175, 232, 250, 260, 261, 270, 271, 275, 280, 281; FRENCH 101, 102, 103, 104; HIST 100, 100H, 101, 101H, 107, 135, 145, 150, 170, 170H, 171, 171H; HUM 101, 102, 140; JAPN 101, 102, 103, 104; PHIL 101, 101H, 105, 105H; RELIG 100, 100H, 101, 101H, 110, 113, 120, 135, 175, 176; RUS 101, 102; SPAN 101, 102, 103, 104, 157, 158

Courses from other colleges: _____ AP/CLEP exams: _____

Met	IP	Need

D. SOCIAL SCIENCES

9 semester units or 12 quarter units required. **Two** courses maximum per discipline may be applied.

POLIT 100 or POLIT 100H **PLUS** HIST 100, 100H, 101, or 101H fulfill the U S History, Constitution & American Ideals requirements for CSU graduation.
 ANTHRO 100, 102, 102H, 106, 106H, 107, 110, 136; ASL 115; CD 105, 126; COMMST 135, 174; ECON 100, 200, 200H, 201, 201H; GEOG 102, 102H, 120
 HIST 100, 100H, 101, 101H, 107, 135, 145, 150, 170, 170H, 171, 171H; JOUR 135; POLIT 100, 100H, 102, 104, 106, 110, 122; PSYCH 100, 100H, 102, 103, 110, 111, 118; RELIG 110, 120, 135; SOC 100, 100H, 105, 106, 130, 132, 141, 145, 150

Courses from other colleges: _____ AP/CLEP exams: _____

Met	IP	Need

E. LIFELONG LEARNING AND SELF-DEVELOPMENT

3 semester units or 4 quarter units required.

BUSAD 155
 CD 101, 105
 COUN 100, 110, 111, 120, 130
 COMMST 155, 178
 DANCE 101, 102, 103, 104 (one unit maximum)
 HEALTH 102, 263, 263H
 KIN 200
 KIN/D, KIN/F (other than 049 and 970ABCD), KIN/S, KIN/X and any DANCE courses cross-listed with these KIN courses (one unit maximum)
 PSYCH 103, 111, 118
 SOC 150

Courses from other colleges: _____ AP/CLEP exams: _____

Met	IP	Need

Student _____ ID Number _____

Date _____ Counselor _____ Total Units Certified _____

If your goal is to complete an AS-T in Biology or Chemistry, please see a counselor and the CHC catalog for information on CSUGE for STEM. When a course is approved for CSUGE, it applies for certification starting with the year of approval and ending when it is removed.

I. TRANSFER ADMISSION REQUIREMENTS

A student is eligible for upper division transfer if the following requirements have been met:

1. At least sixty (60) semester units of transferable college courses have been completed with a grade point average of 2.00 or better. Non-residents of California must have a 2.40 or better grade point average.
2. At least thirty (30) units of the 60 units required for transfer **must** be selected from the general education courses in areas A through E. Each of the courses within these 30 units must be completed with a grade of "C" or better. Additionally, at least one course from EACH of the following areas must be completed with a grade of "C" or better **prior to transfer**. "C-" or better is required for courses passed along from other colleges.

Area A1	Oral Communication
Area A2	Written Communication
Area A3	Critical Thinking
Area B4	Mathematics/Quantitative Reasoning

3. The student is in good standing (i.e., eligible to re-enroll) at the last college or university attended.

II. IMPACTED PROGRAMS:

The CSU designates programs as impacted when more applications are received from fully qualified applicants in the initial filing period (October 1 through November 30 for fall) than the number of spaces available. Some majors are impacted at every campus where they are offered; others may be impacted only at some campuses. **Applicants to impacted majors must file the application for admission during the initial filing period and will be subject to supplementary admission criteria.**

III. LOWER DIVISION MAJOR REQUIREMENTS

Most majors require that you complete certain preparatory courses prior to transfer. This can normally be accomplished at Crafton Hills College. Consult the catalog for the college of your choice to determine regulations governing the completion of lower division major requirements and related restrictions. Refer to ASSIST (www.assist.org) for information about lower division major requirements, and consult with a counselor regarding transfer plans!

IV. APPLICATION FILING PERIODS

You are urged to file early! Applications to impacted majors must be filed during the initial filing period. If applying after the initial filing period, check www.calstate.edu/apply for current information. **You may apply online at www.calstate.edu/apply.**

Terms	Applications First Accepted
Summer Semester or Quarter 2018	February 1, 2018
Fall Semester or Quarter 2018	October 1, 2017
Winter Quarter 2019	June 1, 2018
Spring Semester or Quarter 2019	August 1, 2018

CRAFTON HILLS COLLEGE

Intersegmental General Education Transfer Curriculum for Transfer to CSU and UC 2017-18

Student's Name _____
 (print) Last First Middle Student I.D. # Major

Completion and certification of IGETC will permit community college students to transfer to a campus in the CSU or UC system without the need, after transfer, to take additional lower division general education courses to satisfy campus general education requirements.
COURSES IN BOLD PRINT ARE RETROACTIVELY APPROVED FOR FALL 2016 AND THEREAFTER.

IGETC is not advisable for all transfer students. Students with majors that require extensive lower division preparation may be best served by taking courses that fulfill the General Education Breadth of the UC campus. These majors include, but are not limited to, Engineering, Pre-professional programs, and Science.

CERTIFICATION: Request **CERTIFICATION** from the Admissions and Records Office. Current IGETC standards allow for full or partial certification. **Partial certification** is defined as completing all but two courses from any area **except those listed in Areas 1 and 2.** Minimum UC and/or CSU transfer requirements must be met prior to transfer. All courses must be completed with a "C" or better. IGETC may be certified by any Community College the student has attended.

INSTRUCTION TO COUNSELOR OR EVALUATOR: Circle courses and enter units in appropriate column. **Requirements satisfied by exam should be noted.**

AREA 1 - ENGLISH COMMUNICATION CSU - 3 courses required, one from each group below. UC - 2 courses required, one from group A and one from group B	OTHER COLLEGES AP EXAMS	COMPLETED	IN PROGRESS	REMAINING
A. English Composition, 1 course, 3 - 4 semester/ 4 - 5 quarter units. ENGL 101, 101H				
B. Critical Thinking - English Composition, 1 course, 3 - 4 semester/ 4 - 5 quarter units. ENGL 102, 102H				
C. Oral Communication (CSU only), 1 course, 3 semester/ 4 - 5 quarter units, COMMST 100, 100H, 111, 111H, 140				
AREA 2 - MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING (1 course, 3 - 4 semester/ 4 - 5 quarter units) A. CSCI 200; MATH 102**, 108, 110, 115, 141**, 160**, 200, 250, 251, 252, 265, 266; PSYCH 108, PSYCH 120				
AREA 3 - ARTS AND HUMANITIES (At least 3 courses with at least one from the Arts and one from the Humanities, 9 semester/12 - 15 quarter units.) A. ARTS: ART 100, 100H, 102, 102H, 103, 105, 113; DANCE 200, 200H; ENGL 108, 109, 226; MUSIC 100, 103, 103H, 120, 120H, 134; THART 100, 100H, 108, 109, 226				
B. HUMANITIES: ANTHRO 107*, 110*, 136*; ARABIC 103, 104; ASL 103, 104, 105, 115; ENGL 150, 152, 152H, 155, 155H, 160, 163, 170, 175, 250, 260, 261, 270, 271, 275, 280, 281; FRENCH 103, 104; HIST 100*, 100H*, 101*, 101H*, 107*, 135*, 145*, 150*, 170*, 170H*, 171*, 171H*; HUM 101, 102, 140; JAPN 103, 104; PHIL 101, 101H, 105, 105H; RELIG 100, 100H, 101, 101H, 110*, 113, 120,* 135*, 175, 176; SPAN 103, 104				

AREA 4 - SOCIAL AND BEHAVIORAL SCIENCES (At least 3 courses from at least two disciplines, 9 semester/ 12 - 15 quarter units) ANTHRO 100, 102, 102H, 106*, 106H*, 107*, 110*, 136*; ASL 115; CD 105; COMMST 135, 174; ECON 100**, 200, 200H, 201, 201H; GEOG 102, 102H, 120; HIST 100*, 100H*, 101*, 101H*; HIST 107*, 135*, 145*, 150*, 170*, 170H*, 171*, 171H*; JOUR 135; POLIT 100, 100H, 102, 104, 106, 110, 122; PSYCH 100, 100H, 102, 103, 110, 111, 118; RELIG 110*, 120*, 135*; SOC 100, 100H, 105, 106, 130, 132, 141*, 145*, 150*	OTHER COLLEGES AP EXAMS	COMPLETED	IN PROGRESS	REMAINING
AREA 5 - PHYSICAL AND BIOLOGICAL SCIENCES (2 courses required, one Physical Science course and one Biological Science course; at least one must include a laboratory. 7 - 9 semester/ 9 - 12 quarter units.) A. PHYSICAL: ASTRON 150, 150H, <u>160</u> ; CHEM <u>101**</u> , <u>102**</u> , 123, <u>150</u> , <u>150H</u> , <u>151</u> , <u>151H</u> , <u>212</u> , <u>213</u> ; ENVS 101*, 101H*; ENVS <u>110*</u> ; GEOG 110, 110H, <u>111</u> , 111H, <u>114</u> , 115, 126; GEOL 100, <u>100H</u> , 101, 101H, <u>112**</u> , <u>113**</u> , 140, <u>141</u> , 150, <u>150H</u> , <u>160</u> , 250; OCEAN <u>100**</u> , <u>101**</u> , <u>101H**</u> ; PHYSIC <u>100**</u> , <u>110**</u> , <u>111**</u> , <u>250**</u> , <u>251**</u> , <u>252**</u> ; PS 101				
B. BIOLOGICAL: ANAT <u>150</u> , <u>151</u> ; ANTHRO 106*, 106H*; BIOL <u>100</u> , 123, <u>130</u> , <u>130H</u> , <u>131</u> , <u>131H</u> ; ENVS 101*, 101H*; ENVS <u>110*</u> ; MICRO 100 , <u>102**</u> , <u>150**</u>				
C. LABORATORY: This requirement is met by completion of any laboratory course in 5A or 5B. Laboratory courses are <u>underlined</u> .				
UC REQUIREMENT ONLY - Language Other Than English (LOTE) Complete one of the following: ARABIC 102, 103, 104; ASL 102, 103, 104, 105; FRENCH 102, 103, 104; JAPN 102, 103, 104; RUS 102; SPAN 102, 103, 104, 157, 158 OR two years of high school coursework in the same language with a grade of "C-" or better. (Students from "non-English-speaking" countries should see a counselor for language proficiency equivalencies.) See a counselor for options that meet this requirement.				
CSU GRADUATION REQUIREMENT ONLY - U.S. History, Constitution and American Ideals (This area is not part of IGETC. Courses <u>MAY</u> be used to partially satisfy areas 3B or 4 per current IGETC Standards.) (6 semester units, one course from group 1 and one course from group 2) Group 1 - POLIT 100, POLIT 100H; Group 2 - HIST 100, 100H, 101, 101H				

* Courses may be listed in more than one area, but may not be applied in more than one. The only exceptions to this are courses listed in both 3B and LOTE.

** Indicates that transfer credit may be limited by UC or CSU or both. Please see the catalog or consult a counselor.

NOTE: When a course is approved for IGETC, it applies for certification starting with the year of approval and ending when it is removed.

If your goal is to complete an AS-T in Biology or Chemistry, please see a counselor and the CHC catalog for information on IGETC for STEM.

2017/2018 COLLEGE CREDIT FOR ADVANCED PLACEMENT (AP) Chart

Students may earn credit for College Entrance Examination Board (CEEB) Advanced Placement (AP) Tests with scores of 3, 4, or 5.

Course credit and unit granted at Crafton Hills College may differ from course credit and units granted by a transfer institution.

EXAM	CHC Associate Degree	CSU GE Semester Units <i>GE Breadth Removal Date</i>	CSU Total Semester Units Earned Toward Admission	IGETC Semester Units	UC Total Units Earned Toward Transfer
Art History	ART 100; Area C2 3 units	Area C1 or C2 3 units	6 units	Area 3A or 3B 3 units	8 quarter/5.3 semester units
Art (Studio) – 2D	ART 120 3 units	N/A	3 units	N/A	8 quarter/5.3 semester units
Art (Studio) – 3D	No course equivalency 3 units	N/A	3 units	N/A	8 quarter/5.3 semester units
Art (Studio) Drawing	ART 124 3 units	N/A	3 units	N/A	8 quarter/5.3 semester units
AP STUDIO ART EXAM UC LIMITATIONS				<i>Maximum credit for Studio Art 2D, 3D, and Drawing is 5.3 units</i>	
Biology	BIOL 100; Area A 4 units	Areas B2 and B3 4 units	6 units	Area 5B and 5C 4 units	8 quarter/5.3 semester units
Calculus AB	MATH 250; Area D3 4 units	Area B4 3 units	3 units	Area 2A 3 units	4 quarter/2.7 semester units
Calculus BC	MATH 251; Area D3 4 units	Area B4 3 units	6 units	Area 2A 3 units	8 quarter/5.3 semester units
Calculus BC/AB subscore	No course equivalency Area D3 4 units	Area B4 3 units	3 units	Area 2A 3 units	4 quarter/2.7 semester units
AP CALCULUS EXAM LIMITATIONS		<i>Only one AP exam in calculus or computer science may be applied to the baccalaureate</i>		<i>Maximum credit for Math AB and Math BC exams is 8 quarter/5.3 semester units</i>	
Chemistry	CHEM 101; Area A 4 units	Areas B1 & B3 - 4 units (6 units if taken prior to FA 09)	6 units	Area 5A and 5C 4 units	8 quarter/5.3 semester units
Chinese Language and Culture	No course equivalency; Areas C1 and F1 5 units	Area C2 3 units	6 units	Areas 3B and 6A 3 units	8 quarter/5.3 semester units
Computer Science A	CIS 113 3 units	N/A	3 units	N/A	2 quarter/1.3 semester units
Computer Science Principles	No course equivalency 3 units	N/A	6 units	N/A	8 quarter/5.3 semester units
AP COMPUTER SCIENCE EXAM LIMITATIONS		<i>Only one AP exam in calculus or computer science may be applied to the CSU baccalaureate</i>		<i>Maximum UC credit for A and AB (no longer offered) 4 quarter/2.7</i>	
Economics – Macroeconomics	ECON 200; Area B 3 units	Area D2 3 units	3 units	Area 4B 3 units	4 quarter/2.7 semester units
Economics – Microeconomics	ECON 201; Area B 3 units	Area D2 3 units	3 units	Area 4B 3 units	4 quarter/2.7 semester units
English – Language & Composition	ENGL 101; Area D1 4 units	Area A2 3 units	6 units	Area 1A 3 units	8 quarter/5.3 semester units
English - Literature & Composition	ENGL 101 or 152; Area D1 or C1 4 units	Areas A2 and C2 6 units	6 units	Area 1A or 3B 3 units	8 quarter/5.3 semester units
AP ENGLISH EXAM LIMITATION				<i>Maximum UC credit for both exams is 8 quarter/5.3 semester units</i>	
Environmental Science	ENVS 101 & 110; Area A 4 units	Areas B1 and B3 4 units (Areas B1+B3 or B2+B3 if taken prior to FA 09)	4 units	Area 5A and 5C 3 units	4 quarter/2.7 semester units
French Language or French Language/Culture	FRENCH 101 & 102; Areas C1 & F1 10 units	Area C2 3 units (6 units if taken prior to FA 09)	6 units	Areas 3B and 6A 3 units	8 quarter/5.3 semester units
German Language or German Language/Culture	No course equivalency; Areas C1 and F1 5 units	Area C2 3 units (6 units if taken prior to FA 09)	6 units	Areas 3B and 6A 3 units	8 quarter/5.3 semester units
Government & Politics – Comparative	POLIT 104; Area B 3 units	Area D8 3 units	3 units	Area 4H 3 units	4 quarter/2.7 semester units
Government & Politics – U.S.	POLIT 100; Area B & F2 - 3 units	Areas D8 and US-2* 3 units	3 units	Areas 4H & US-2* 3 units	4 quarter/2.7 semester units
		<i>*Course does not include California government and does not meet the CSU American Institutions requirement.</i>			
History – European	No course equivalency Areas B or C1 - 3 units	Area C2 or D6 3 units	6 units	Area 3B or 4F 3 units	8 quarter/5.3 semester units

History – United States	HIST 100 or 101; Areas B & F2, or Areas C & F2 - 3 units	Area (C2 or D6) and US-1 3 units	6 units	Area 3B or 4F and US-1 3 units	8 quarter/5.3 semester units
History – World	HIST 170 or 171; Areas B& F1, or Areas C1 & F1 - 3 units	Area C2 or D6 3 units	6 units	Area 3B or 4F 3 units	8 quarter/5.3 semester units
Human Geography	No course equivalency; Area B - 3 units	Area D5 3 units	3 units	Area 4E 3 units	4 quarter/2.7 semester units
Italian Language and Culture	No course equivalency; Areas C1 and F1 5 units	Area C2 3 units	6 units	Areas 3B and 6A 3 units	8 quarter/5.3 semester units
Japanese Language and Culture	Japanese 101 & 102; Areas C1 and F1 10 units	Area C2 3 units	6 units	Areas 3B and 6A 3 units	8 quarter/5.3 semester units
Latin	No course equivalency; Area C1 and F1 5 units	Area C2 3 units	6 units	Area 3B and 6A 3 units	4 quarter/2.7 semester units
Music Theory	MUSIC 101 4 units	Area C1 3 units (Removed FA 09)	6 units	N/A	8 quarter/5.3 semester units
Physics B or Physics 1 and Physics 2	PHYSIC 110; Area A 4 units	Areas B1 and B3 4 units (6 units if taken prior to FA 09)	Physics B – 6 units Physics 1 or 2 – 4 units	Area 5A and 5C 4 units	8 quarter/5.3 semester units
Physics C – Mechanics and Physics C – Electricity and Magnetism	PHYSIC 250, 251, & 252; Area A 12 units (1 exam – No course equivalency; Area A 6 units)	Area B1 and B3 4 units	4 units (1 exam)	Area 5A and 5C 1 exam - 3 units	4 quarter/2.7 semester units (1 exam)
AP PHYSICS EXAM LIMITATIONS		<i>Maximum CSU credit for all Physics exams is 4 units toward GE and 6 units toward transfer</i>		<i>Maximum UC credit for all Physics exams is 4 units for IGETC and 5.3 units toward transfer</i>	
Psychology	PSYCH 100; Area B 3 units	Area D9 3 units	3 units	Area 4 I 3 units	4 quarter/2.7 semester units
Spanish Language or Spanish Language and Culture	SPAN 101 & 102; Areas C1 & F1 10 units	Area C2 3 units (6 units if taken prior to SP 14)	6 units	Area 3B and 6A 3 units	8 quarter/5.3 semester units
Spanish Literature or Spanish Literature and Culture	No course equivalency; Areas C1 and F1 3 units	Area C2 3 units (6 units if taken prior to SP 13)	6 units	Area 3B and 6A 3 units	8 quarter/5.3 semester units
Statistics	MATH/PSYCH 108; MATH 110 Area D3 - 4 units	Area B4 3 units	3 units	Area 2A 3 units	4 quarter/2.7 semester units

CHC students can meet competency requirements for F1 and F2 with the same courses that meet requirements specified in AB 1985.

2017-2018 College Level Examination Program (CLEP) Chart

CLEP Exam with a Score of 50 (unless indicated)	CHC GE Area Units	CHC Total Units	CSU GE Breadth Certification Area Units	CSU – Total Units earned toward eligibility for admission
Accounting – Financial	N/A	3 units	N/A	3 units
Accounting – Principles	N/A	3 units	N/A	3 units
American Government	Area B & F2 3 units	3 units	Area D8# 3 units	3 units
American Literature	Area C1 & F2 3 units	3 units	Area C2 3 units	3 units
Analyzing and Interpreting Literature	Area C1 3 units	3 units	Area C2 3 units	3 units
Biology	NA	3 units	Area B2 (no lab) 3 units	3 units
Business Law – Introductory	N/A	3	N/A	3 units
Calculus *+	Area D3 - 3 units	3 units	Area B4 - 3 units	3 units
Pre-Calculus *+	Area D3 - 3 units	3 units	Area B4 - 3 units	3 units
Chemistry	NA	3 units	Area B1 (no lab) 3 units	3 units
College Algebra *+	Area D3 3 units	3 units	Area B4 3 units	3 units
College Algebra – Trigonometry *+	Area D3 3 units	3 units	Area B4 3 units	3 units
College Composition - Modular	N/A	0 units	N/A	0 units
College Mathematics *+	N/A	0 units	N/A	0 units
Economics – Macro	Area B 3 units	3 units	Area D2 3 units	3 units
Economics - Micro	Area B 3 units	3 units	Area D2 3 units	3 units
English Composition – No	N/A	0 units	N/A	0 units
English Composition – with	N/A	0 units	N/A	0 units
English Literature	Area C1 3 units	3 units	Area C2 – 3 units (through summer 2011)	3 units
French – Level I	N/A	5 units	N/A	6 units
French – Level II (score of 59)	Area C1 & F1 5 units	5 units	Area C2 3 units	9 units
Freshman College Composition	N/A	0	N/A	0
German – Level I	N/A	5 units	N/A	6 units
German – Level II (score of 60)	Area C1 & F1 5 units	5 units	Area C2 3 units	9 units
History – US I	Area (B or C1) & F2 3 units	3 units	Area D6 & US-1 3 units	3 units
History – US II	Area (B or C1) & F2 3 units	3 units	Area D6 & US-1 3 units	3 units
History – Western Civilization I	Area B or C1 3 units	3 units	Area C2 or D6 3 units	3 units
History – Western Civilization II	Area B or C1 3 units	3 units	Area D6 3 units	3 units
Human Growth and	N/A	3 units	Area E - 3 units	3 units
Humanities	Area C1 - 3 units	3 units	Area C2 - 3 units	3 units
Information Systems and Computer Applications	N/A	3 units	N/A	3 units
Management - Principles	N/A	3 units	N/A	3 units
Marketing – Principles	N/A	3 units	N/A	3 units
Natural Sciences	N/A	3 units	B1 or B2 (no lab) 3 units	3 units
Psychology – Introductory	Area B - 3 units	3 units	D9 - 3 units	3 units
Psychology – Intro to	N/A	3 units	N/A	3 units
Social Science and History	N/A	0 units	N/A	0 units
Sociology – Introductory	Area B – 3 units	3 units	Area D0 – 3 units	3 units
Spanish – Level I	N/A	5 units	N/A	6 units
Spanish – Level II (score of 63)	Area C1 & F1 5 units	5 units	Area C2 3 units	9 units
Trigonometry *+	Area D3 3 units	3 units	Area B4 – 3 units (through summer 2006)	3 units

* Satisfies Crafton Hills College Associate Degree Math requirement.

+ Students may use CLEP scores as evidence in prerequisite challenge and/or departmentally approved credit by exam process.

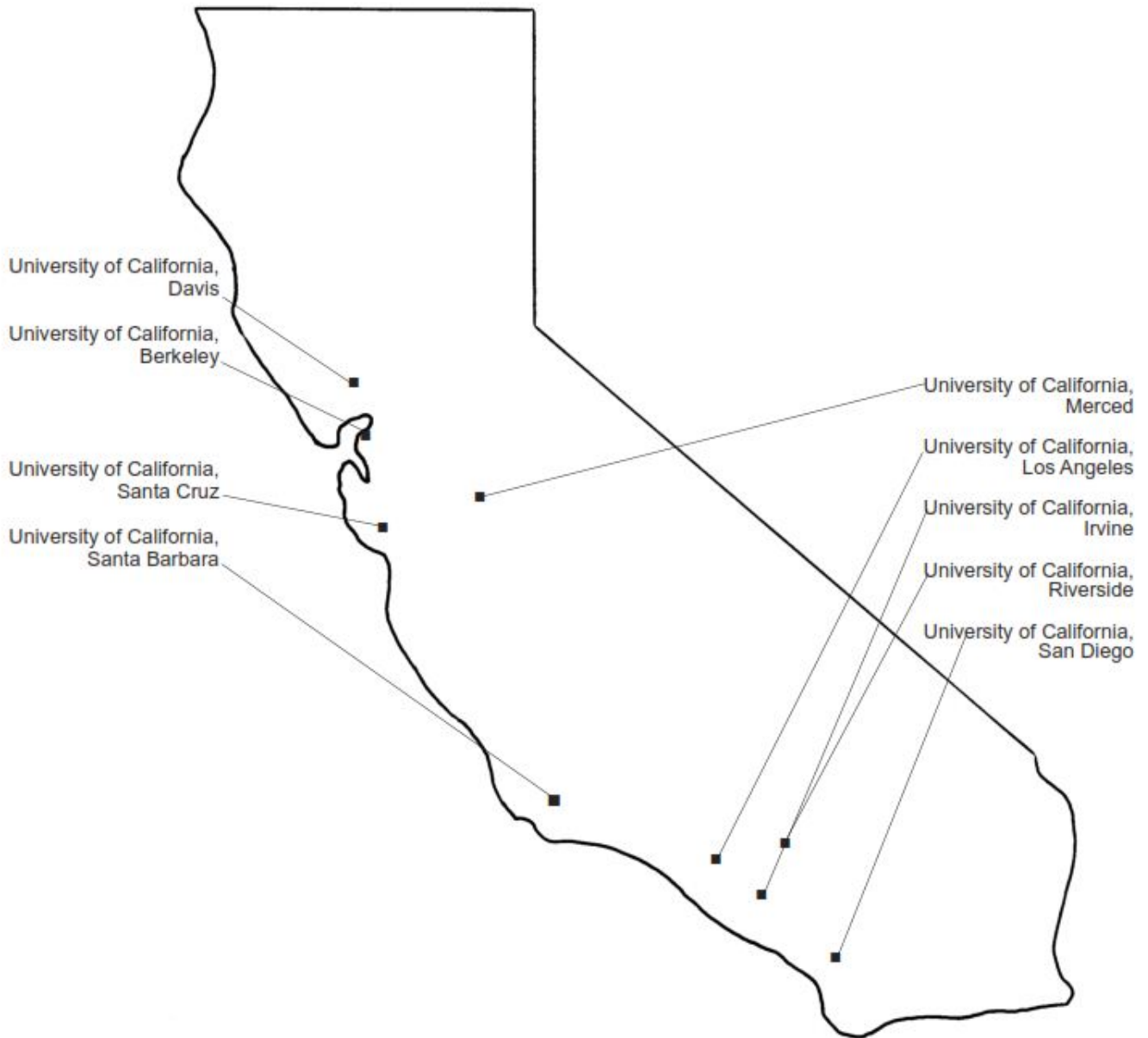
Course does not include California government.

Foreign Language – If a student passes more than one CLEP exam in the same language other than English (e.g., two exams in French), then only one exam may be applied to the baccalaureate. For each exam in a language other than English, a passing score of 50 is considered “Level 1” and earns six semester units of baccalaureate credit; the higher score listed for each exam is considered “Level II” and earns additional units of credit and placement in Area C2 or GE Breadth, as noted.

THE 23 OUTSTANDING CAMPUSES OF THE CSU



UC: University of California Campuses









CAMPUS DIRECTORY




Map not to scale

Updated: 6-8-15

-  **ATM**
-  **Bus Stop**
-  **Nurse's Station**
-  **Police/Security**
-  **Visitor Parking**

 **Parking Permits (Daily)**
 Parking permits/decals are required to park in all parking lots and on all college streets.
 Daily parking permits available in all lots.
 Parking in disabled stalls requires a valid California disabled placard and a valid SBCCD parking permit/decal.

 **Smoking Areas**
 This is a smoke-free campus. Smoking in non-designated areas or buildings may result in the issuance of a citation (Board Policy #3570; Government Code #7597)

District Police (909) 389-3275

<p>1 MAINTENANCE & OPERATIONS/ SHIPPING & RECEIVING M&O</p> <p>2 CHILD DEVELOPMENT CENTER CDC</p> <p>3 CRAFTON HALL CHL</p> <p>4 CLOCK TOWER BUILDING CTB</p> <p>5 WEST COMPLEX WEST</p> <p>6 CRAFTON CENTER CCR Admissions & Records Counseling Disabled Student Services EOPS Financial Aid</p> <p>7 STUDENT SUPPORT BUILDING SSB Health & Wellness Center</p> <p>8 LEARNING RESOURCE CENTER LRC</p> <p>9 PERFORMING ARTS CENTER PAC</p>	<p>10 CENTRAL COMPLEX 1 CNTL 1 POLICE (LADM 153)</p> <p>11 CENTRAL COMPLEX 2 CNTL 2</p> <p>12 CANYON HALL CYN</p> <p>13 VISUAL ARTS ARTS</p> <p>14 EAST COMPLEX 1 EAST 1</p> <p>15 EAST COMPLEX 2 EAST 2</p> <p>16 PUBLIC SAFETY & ALLIED HEALTH PSAH</p> <p>17 GYMNASIUM GYM</p> <p>18 NORTH COMPLEX NRTH</p> <p>19 KINESIOLOGY, HEALTH EDUCATION & AQUATICS COMPLEX KHA</p> <p>20 ATHLETIC FIELD AF</p> <p>21 TENNIS COURTS TC-CRTS</p>
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