2002-2003
A CALIFORNIA COMMUNITY COLLEGE

Accredited by
The Western Association of Schools and Colleges
Accrediting Commission for Community & Junior Colleges
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Approved by
The Board of Governors of the California Community Colleges
The California Department of Education
The University of California
The California State Universities

Approved for
The training of U.S. veterans and other eligible persons

College of the Canyons
26455 Rockwell Canyon Road, Santa Clarita, CA 91355
(661) 259-7800
http://www.canyons.edu

Accuracy Statement
The Santa Clarita Community College District and College of the Canyons have made every reasonable effort to determine that everything stated in this catalog is accurate. Courses and programs offered, together with other matters contained herein, are subject to changes without notice by the administration of the College for reasons related to student enrollment, level of financial support or for any other reason at the discretion of the College. The College further reserves the right to add, to amend, or repeal any of the rules, regulations, policies and procedures, consistent with applicable laws.
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Ms. Anita Morris  Dean, Personnel Services
Dr. Michael Wilding  Dean, Student Services
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Mr. Len Mohney  Division Dean, Physical Education & Athletics
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Mr. Michael Joslin  Assistant Dean, Student Development and Retention
Mr. James Schrage  Director, Facilities Planning and Services
Ms. Sue Bozman  Director, Public Information, Marketing and Communication

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Dear Students,

No sensible decision can be made any longer without taking into account not only the world as it is, but the world as it will be.

- Isaac Asimov
Author, scientist

For the past decade, College of the Canyons has committed itself to making good decisions to meet immediate challenges and to taking advantage of opportunities that present themselves each year. But we have also been making the more challenging long-range decisions that prepare us to fulfill our hopes, goals and expectations for the future. As we developed and revised our curricula, expanded our programs and services and planned new facilities, our overarching goal and consistent focus has been to create new and expanded opportunities for the residents of the Santa Clarita Valley, our growth has brought with it a more dynamic and diverse campus community, an impressive variety of new and expanded educational and training programs, added transfer agreements with universities, and a continually changing landscape of new and expanded facilities.

Creating new opportunities requires innovative thinking, flexibility, leadership, confidence, courage and enthusiasm. College of the Canyons exemplifies these characteristics daily! We challenge ourselves to provide an environment conducive to innovation and creativity for our students, as well as our employees. We encourage members of the college community to embrace change, envision the future, develop capabilities, and empower themselves to lead the change that will enhance the college's ability to fulfill its mission and develop into a center for higher education in our valley.

The beautiful cover of this 2002-2003 Catalog is a visual representation of our commitment to provide opportunity in a global economy and society through learning, competence, initiative, responsiveness and vision. It symbolizes the reality that is present, every day, in every department and office, in every nook and cranny of the college. For example, during the past year, we have re-evaluated much of our curriculum, aligned it with existing jobs, emerging jobs and needed skills sets and made 879 course changes to update and expand the curriculum. We developed the drawings for a new, state-of-the art, performing arts center, which is now under construction. We increased our course availability by 15%. In addition to creating new educational programs, we added more than 1,500 new parking spaces to allow our expanding student population ease of access to the campus. And, we opened an ACCESS outreach site in Canyon Country, so students in the eastern end of the Santa Clarita Valley can pursue their educational goals in a location convenient to where they live and work. We also brought higher education closer to local residents through the Interim University Center where seven universities offer 13 bachelor's, master's and doctorate programs. Rather than driving outside the Valley to complete or advance their educations, students can take classes from participating universities on the College of the Canyons campus.

We are on the move! We are changing in very important, significant ways. As tremendous growth in student population has challenged us to grow larger, we have grown better at the same time. Fueled in large part by the advancing development of the Santa Clarita Valley, our growth has brought with it a more dynamic and diverse campus community, an impressive variety of new and expanded educational and training programs, added transfer agreements with universities, and a continually changing landscape of new and expanded facilities.

And, we've got our eyes on the future, and the future of education in the Santa Clarita Valley. Meticulous planning has enabled us to take concrete steps toward creating the future we envision. Our faculty members have written plans for the future of their programs, predicting how their disciplines will evolve, and envisioning what changes will be required in curriculum, in technology and in the facilities that will be needed to serve students in the best ways possible. The result is the creation of a new College of the Canyons Educational and Facilities Master Plan.

With the new Educational and Facilities Master Plan in hand and with the passage of Measure C, we are moving on to the task of planning the facilities we will need to provide state-of-the-art, diversified and stimulating learning environments for our students and business partners. Planned facilities include a science laboratory building expansion, a classroom building adjoining the new performing arts center, a health and physical education center, a vocational technology building addition, a high tech lab center, an addition to the library and a warehouse, a Canyon Country education center, an addition to the Media Arts building, a job training building, a student services and administration building, and a permanent University Center.

In the words of George Bernard Shaw, “Some look at things that are, and ask, why? I dream of things that never were and ask why not?” We look forward to working with our students, staff, community members and business leaders to ensure that our plans and dreams become reality.

As you pursue your goals, I challenge you to strive to achieve your peak performance by accepting responsibility for your growth and progress. Believe in yourself, never give up, and remember, your attitude makes a big difference. If you believe you can, you will! Good luck and welcome to College of the Canyons, the community's college.

Dianne G. Van Hook
Superintendent-President
MISSION STATEMENT
College of the Canyons is a learning-centered community college that provides academic education and workforce training at the lower-division level to all capable of profiting from instruction. The faculty and staff promote substantive personal and growth and intellectual progress of learners by combining time-proven concepts with the latest technological advances.

VISION STATEMENT
College of the Canyons is dedicated to enhancing our reputation as a leading two-year college, recognized locally, regionally and statewide for technical advancement, institutional effectiveness, student support, model academic and professional programs, excellence in teaching and learning, and the sense of community that we provide to our students and staff.

PHILOSOPHY
We believe in the following values:

Teaching & Learning
We honor and reward high performance in teaching and learning.

Respect for All People
We foster a campus climate characterized by civility, collegiality and tolerance. We encourage honesty, integrity and social responsibility.

Partnership with Community
We create relationships providing the foundation of success for chosen current and future partnerships with local schools, colleges and universities, businesses, government, and social agencies. These partnerships advance the educational, intellectual, artistic, civic, cultural, and economic aspirations of our surrounding community.

Excellence
We set the highest standards for ourselves and support the professional development of faculty, staff and administrators.

Creativity and Innovation
We provide an environment conducive to innovation and creativity. We encourage members of the college community to embrace changes that will enhance the college's mission.
The academic year 2002-2003 marks College of the Canyons’ 33rd proud year of service to the communities of the Santa Clarita Valley. From what began in 1969 as a small school, with only 800 students located on the campus of Hart High School in Newhall, the college now boasts 12,800 students per semester, a 153.4 acre campus with 12 permanent and 27 temporary structures, on-campus computer networks, state-of-the-art technical programs, and over 760 full-time and part-time faculty and staff.

The college was initially approved by voters and a Board of Trustees was elected in 1967. Taking the reigns of the fledgling district was the first superintendent-president, Dr. Robert C. Rockwell in 1968. A $4 million construction bond was approved by voters and the district purchased the permanent campus site in Valencia, now part of the City of Santa Clarita, just east of the I-5 Freeway on Valencia Blvd. In October of 1970, temporary buildings provided classroom and office spaces for the new college. Ample parking and outdoor sports facilities soon followed.

The master plan for the college includes a desire to maintain the natural beauty of the location that consists of rolling hills and tree-dotted arroyos. As additional buildings have been constructed, the college has carefully situated the structures to blend with the natural attributes of the location, creating a relaxed and comfortable physical environment that enhances the wonderful learning environment for which College of the Canyons is noted.

The Bonelli Center, the "I" Building, was constructed in 1972-73 and was a welcome addition to the existing spaces in the classroom ("C") building and the Student Center; the stadium (the only facility of its size in the Santa Clarita Valley) was constructed in 1974; the Boykin Laboratory Center, the "L" building, was completed in 1986. The Peter F. Huntsinger College Services Building, the "A" building, opened in 1982; the Family Studies and Early Childhood Education Center opened in 1995; and the Library and Media Arts Buildings came into the inventory in 1997. The total assigned square footage for the college now is over 281,000 square feet -- with more on the way.

With a projected student population of 21,000 by the year 2010, voters approved a $82.1 million bond measure in 2001 that will provide the needed classroom and support buildings. An updated Facilities Master Plan has just been completed and includes two classroom buildings, a second physical education facility, warehouse, a college services building, high-tech labs, a music/drama lab building, a business center, a University Center, an athletic field house and additions to several existing buildings. Ground was broken in December of 2001 for a new 950-seat Performing Arts
Center that will be constructed in partnership with the City of Santa Clarita. Funds are currently being raised to build a University Center that will house prominent universities and bring bachelor’s, master’s, and doctorate degree programs to the campus. The college opened its first off-site facility called ACCESS in Canyon Country in 2001.

College of the Canyons is proud to deliver outstanding services, programs and opportunities to our community. Forty nine associate of arts and associate of science degree programs are offered in addition to thirty eight certificate programs.

As a matter of institutional philosophy, College of the Canyons believes in educating the body as well as the mind. Sixteen intercollegiate athletic programs, nine women’s sports and seven men’s, provide opportunities to participate in athletics for all who are interested.

The college has maintained its status over the years as the 6th largest employer in the Santa Clarita Valley. And while we often think of education in more altruistic terms, it is inescapably a business -- having a lot in common with the burgeoning business growth in the region. The college plays an important role in training, retraining and educating members of the local workforce so that businesses don’t have to look far for quality employees. In fact, dozens of partnerships have been forged with individual local companies to provide very specific training for employees -- the college supplies the instructors and educational expertise to train either at the work site or on campus, whichever is appropriate. This “win, win” arrangement between businesses and the educational supplier fulfills the increasingly complex technological and managerial training needs of companies of all sizes in the region -- many of them in the local aerospace and manufacturing fields.

The breadth, depth and quality of a College of the Canyons education is fast becoming one of the college’s most powerful marketing tools. It is human nature to want to be associated with a “winner,” so success in one area naturally breeds success in others. Over the last year, the college has received nearly $2 million in grants to conduct broad-ranging activities and begin new, trial programs and educational opportunities for the community.

As College of the Canyons begins its 33rd year, it has positioned itself to be a vital and enduring educational and economic force in the region. From modern facilities, to a capable and enthusiastic staff, to innovative programs and high-tech solutions --- those who are currently involved with the college and those who will grace our doors in the future will find a safe, collegial campus that embodies a learning environment second to none!
This catalog is easy to use if you follow these steps.

1. Use the index on page 247 to help you find things quickly.

2. All new students are requested to participate in the College's "Matriculation Program." Some parts of this program are mandated for new students. Components consist of admission, counseling/advisement and orientation. English and math placement testing is also part of the process. Refer to page 18 for more details or contact the Counseling/Advisement Office.

3. If you want to know the important dates that affect you during the academic year, turn to the Academic Calendar. You'll find the beginning and end of each term, holidays and vacation periods.

4. If you want information about the requirements for transfer from College of the Canyons to a university, turn to page 38.

5. The Program description and associated degrees and certificates are on page 50.

6. Turn to page 98 for a list of the course descriptions. Read the information given for each course you plan to take. Pay careful attention to prerequisites and related information so that you won't take the incorrect course or one for which you won't receive credit.

7. The College requires students to take certain general-education courses to obtain a college degree or certificate. You will find these specified on page 35. If you plan to graduate from College of the Canyons, be sure to read the entire section on graduation requirements.

8. College of the Canyons has established various rules and regulations in order to function properly. You'll find these in the "Regulations & Policies" section on page 228.
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>Monday, August 19</td>
<td>Instruction Begins</td>
</tr>
<tr>
<td>Monday, September 2</td>
<td>Labor Day</td>
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<tr>
<td>Monday, November 11</td>
<td>Veterans' Day Observed</td>
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<tr>
<td>Thursday through Saturday, November 28-30</td>
<td>Thanksgiving Holiday</td>
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<tr>
<td>Thursday and Friday, December 12-13 and Wednesday, December 16-18</td>
<td>Final Exams</td>
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<td>Christmas/New Year Holidays</td>
<td>December 21, 2002 through January 5, 2003</td>
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<td><strong>WINTER INTERSESSION 2003</strong></td>
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<tr>
<td>Wednesday, January 6</td>
<td>Instruction Begins</td>
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<tr>
<td>Friday, January 17</td>
<td>Instruction Ends</td>
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<tr>
<td><strong>SPRING SEMESTER 2003</strong></td>
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<tr>
<td>Monday, January 20</td>
<td>Martin Luther King Jr. Day</td>
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<tr>
<td>Tuesday, January 21</td>
<td>Instruction Begins</td>
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<tr>
<td>Friday, February 14</td>
<td>Lincoln's Holiday</td>
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<tr>
<td>Saturday, February 15</td>
<td>Lincoln's Day (observed for Saturday Classes)</td>
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<td>Monday, February 17</td>
<td>Presidents' Day</td>
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<tr>
<td>Monday through Saturday, April 14 through 19</td>
<td>Spring Break</td>
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<tr>
<td>Monday through Saturday, May 19 through 24</td>
<td>Final Exams</td>
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<tr>
<td>Friday, May 23</td>
<td>Commencement</td>
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<tr>
<td>Saturday, May 24</td>
<td>Instruction Ends</td>
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ADMISSION TO THE COLLEGE

Eligibility for Admission

1. Any person applying for admission to the College must qualify under one of the following:
   
a. Be a graduate of high school, or have passed the California High School Proficiency Test.
   
b. Be 18 years of age or over and be capable of profiting from the instruction offered.
   
c. Be eligible as a special student pursuant to Sections 76001-76002 of the California Education Code.

2. In all programs and classes requiring special screening, the College will make the final selection of students. Students will still be admissible to the College under the above provisions. (For international students see the section on International Students in this catalog.)

3. Students enrolled in grades 11 and 12 in a public school district may apply for admission upon submitting an approved Concurrent Enrollment form and an Authorization to Consent to Medical Treatment form. Students must submit these forms and an admissions application each semester they plan to attend.

4. Students in grade 10 and under may apply for admission upon submitting an approved Concurrent Enrollment form, an Authorization to Consent to Medical Treatment form, and must undergo an underage admission interview. Students must submit these forms, and admissions application and participate in an interview each semester they plan to attend.

5. Parents or guardians of a student who is not enrolled in a public school district may petition the Dean of Student Services for such admission.

6. Pursuant to California Education Code Section 76001(a), specially admitted students may not enroll in over 12 units per semester.

7. Pursuant to California Education Code Section 76300(f) students enrolled under #3 above may be exempt from payment of the enrollment fees, per special action of the Board. All other appropriate fees shall be assessed.

Admission Procedure - Application

A formal application for admission must be filed with the Admissions and Records Office. This should be done as soon as the decision has been made by the individual to seek admission to the College.

Documents Required (Transcripts)

Each applicant entering as a first-time freshman must arrange to have a transcript or record from the high school of graduation or school of last attendance sent to the Admissions and Records Office. Students should have transcripts sent from each college attended. All transcripts become the property of the College.

Credit Accepted

College of the Canyons accepts credit for courses completed at colleges and universities that have been accredited by one of the regional Associations of Schools and Colleges. Upon petition and after evaluation, credit may be accepted from schools and colleges having other types of accreditation. Students must have 12 units in residence before credit will be placed on the academic transcript. Some exceptions apply; for further information contact Admissions & Records.

Residency

New and returning students to College of the Canyons are classified for the purpose of determining California residency and/or non-resident status. The classifications are as follows:

Unmarried minors (persons under 18 years of age), whose parents have resided in California for a period of one year immediately prior to the first day of instruction of the term the applicant expects to attend, may attend as residents.

Persons over 18 years of age, who have legal residence in California for a period of one year immediately prior to the first day of instruction of the term the applicant expects to attend, may attend as residents.

Applicants having less than one year of residence in California immediately prior to the first day of instruction of the term they expect to attend are classified as non-residents for tuition purposes.

United States citizens and immigrant aliens who have attended a California high school for at least three years and then graduated may qualify for a non-resident tuition waiver. Contact Admissions & Records for further details.
Non-immigrant alien students are required to pay the non-resident tuition and may need to meet certain other admission requirements. Contact Admissions and Records for further information.

**International Students**
College of the Canyons is authorized under federal law to enroll non-immigrant alien students. International students applying for admission and subsequent student visas must meet special admission requirements. For a statement of these requirements and procedures, inquiries should be made to the Director of International Students.

**Advanced Scholastic Program for High School Students**
The California Education Code permits the attendance of 11th and 12th grade high school students who would benefit from advanced scholastic or vocational work at a community college. In addition, certain students below the 11th grade, under certain circumstances and upon recommendation of the appropriate school district authority, may attend by special arrangements.

The student must pursue a minimum full-time program at the high school and have the recommendation of the principal in order to be admitted. Courses may be taken for high school and/or college credit. Students may enroll in a maximum of 12 units.

**MATRICULATION**
All students who enroll in credit courses are matriculants, and matriculation is a process which brings College of the Canyons and matriculants into an agreement for the purpose of realizing students' educational objectives. The agreement acknowledges responsibilities of both College of the Canyons and students to attain those objectives through the College's established programs, policies and requirements.

College of the Canyons agrees to provide an admissions process; an assessment of basic educational skills and career goals; pre-enrollment counseling/advising and course selection; an orientation to college programs, services, and procedures, a suitable curriculum or program of courses, quality instruction, and continuous follow-up on student progress with referral to support services when needed.

Students agree to express a broad educational intent at the time of admission, declare a specific educational objective within a reasonable period of enrollment, attend classes and complete assigned course work, confer with counselors/advisors to discuss choices, seek out support services as needed, and complete courses and maintain progress toward an educational goal.

There are several components of matriculation which are specifically addressed in this Catalog. These components include application for admission, pre-enrollment assessment and educational planning, academic advisement/counseling and course selection, orientation, registration and course enrollment, follow-up on student progress, institutional research and evaluation, and prerequisites.

**ASSESSMENT**
All new students are required to complete the COC Placement Tests in English writing skills, reading, and mathematics. There are no fees charged for the placement examinations administered by College of the Canyons. Students who have taken a placement test at another California community college within the last two years should have the results forwarded to the Admissions and Records Office. (Students who have college credit in English or mathematics should have their transcripts sent to the Admissions & Records Office.)

The Counseling Office may waive the mandatory test requirement for new students who have already earned a college degree, who have completed appropriate college level courses in English or mathematics, or for other reasons in compliance with Board policy.

A test waiver form will be required of all new students who waive the test requirement prior to registration.

For information concerning the tests, applicants should contact the Counseling Office or Testing Center.

**ORIENTATION**
Unless they have received an exemption, new students are required to attend an orientation program prior to registering in classes. These sessions are designed to assure that students will be acquainted with the College's programs, services, academic expectations, procedures and campus grounds. These groups also prepare students for class registration at the end of each orientation program.
REGISTRATION
Registration is the formal process of arranging courses desired by the student into a program of classes and of securing space in the classes. Continuing students register during the regular registration period in priority order by the number of units earned at College of the Canyons. Students are given registration appointments for On-line registration (www.coc.cc.ca.us), STAR telephone registration system [1 (888) 206-STAR (7827) or by the Admissions and Records Office. Students with appointments for regular priority registration will have no priority in obtaining a class unless they register in accordance with the registration schedule. Late registration, which occurs after the regular registration period closes, will be permitted on a first-come, first-served basis into those vacancies that may exist in classes.

Clearance of Obligations (Holds)
All obligations to the College must be met before a student's record may be considered clear. Outstanding obligations may prevent registration of classes and the ability to obtain grades, or an academic transcript.

Classification of Students
- Full Time: Enrolled in twelve units or more in a full-length semester
- 3/4 Time: Enrolled in 9 to 11 units
- 1/2 Time: Enrolled in 6 to 8 units
- 1/4 Time: Enrolled in 3 to 5 units
- Freshman: One who has completed 30 units or less
- Sophomore: One who has completed 31 units or more

SCHEDULE OF FEES
Fees are paid at the time of registration each semester or each time materials are acquired or services rendered. All fees are established by action of the Board of Trustees of the Santa Clarita Community College District and the California State Legislature. The following fees are effective as of fall semester 1999.

Fees are subject to change. Consult current semester schedule of classes or the Admissions and Records office for current fee schedules.

Enrollment Fee
Each student is required to pay an enrollment fee upon registration at a community college in California. At the time of printing, the 2002 - 2003 enrollment fee is $11 per unit as mandated by the State Legislature. The enrollment fee and other fees are subject to change during the academic year.

Additional Fees
- Annual Student Center Fee: $1 per unit/ $10 maximum
- Audit Fee (see Community Extension): $15.00 per unit
- Credit by Exam Fee: $20/unit
- Enrollment Certification: $1.00
- Health Fee (Fall and Spring): $12.00
- Health Fee (Summer): $9.00
- International Student Application Fee (applied to tuition): $100.00
- International Student and Non-Resident Tuition: $130 plus $11 enrollment fee per unit

- Lab Fee: $15.00
- Official Transcript (first two free): $5.00
- Official Transcript (24 hour rush processing): $8.00
- Parking Fee per term (Summer): $20.00
- Parking Fee per semester (Fall and Spring): $40.00
- Student Activities Fee: $18 annual/ $10 semester
- Student Representation Fee: $1.00
- Refund Fee (once classes begin): $10.00

Refund Policy
A student must request a refund from the Student Business Office prior to the published refund deadline for full-length classes and prior to 10 percent of the instructional time for short-term classes. Parking permits must be returned to receive credit. Refund checks are mailed approximately six weeks after the refund deadline.
To obtain a refund after the published deadline a “Petition For A Refund After the Deadline” form must be submitted to the Student Business Office with all the required documentation.

Refund of Enrollment Fee
For a full refund of all eligible fees, a student must completely withdraw from all classes by the date designated in the schedule of classes.

Once classes begin, a processing fee of $10.00 is deducted from the refundable total.

Short-term class refunds for all fees must be applied for on or before 10 percent of the class time has transpired. Check the Schedule of Classes calendar page for exact dates.

No refunds will be given for withdrawal after the second week of the semester for full term classes, or after 10 percent of the instructional time for short-term classes. A week consists of three calendar days, including Saturday.

Refund of Other Fees
Student Activity Fee - must be applied for by the refund deadline date. To obtain a full refund, return the Student Activity and "25 Score" cards to the Student Development Office in Building S, Room 103. Students who have purchased an annual card and who have withdrawn prior to the refund deadline for the second semester will receive a 50 percent refund of the annual fee.

NON-RESIDENT TUITION
Students classified as non-residents by the residency determination date each semester or term are subject to non-resident tuition. For the 2002 - 2003 academic year, tuition is set at $130 per unit plus $11 per unit enrollment fee for non-resident students.

Students classified as International Students (have an F-1 or J-1 visa) are subject to International Student tuition. For the 2002-2003 academic year, tuition is set at $130 per unit plus $11 per unit enrollment fee international students.

International students must pay a $100 application fee that is deducted from their tuition fee if they register for classes within two semesters from the date of application.

LIMITATION OF UNIT LOAD
A unit load of 18 units per semester is considered maximum. Maximum load for summer school will be two courses or 6 units, whichever is the greatest. To take more than the maximum, approval must be obtained from the Counseling Office.

CHANGE OF PROGRAM
The Santa Clarita Community College District’s chief student services officer in conjunction with the director of admissions and records and the Academic Senate will determine the last day to add classes. The specific date for each semester will be published in the schedule of classes and made available in Admissions and Records. Exceptional cases will be considered by the director of admissions and records after receipt of documented extenuating circumstances. Students must follow the established change of program procedures.

Non-standard length classes will have individually published change-of-program deadlines.

Exceptions to this policy may be made for students who:

1. are transferring from one section to another section of the same class;
2. are transferring from an advanced section to a less advanced section in the same department;
3. enter an open entry/open exit class;
4. are being reinstated following an administrative adjustment.

ADD PROCEDURES
Add forms must be filled out; signed by the instructor, and submitted to the Admissions and Records Office during business hours for processing by the deadline published in the Schedule of Classes. Add forms may be obtained in the schedule of classes, on the college web site at www.coc.cc.ca.us, or in the Admissions & Records Office.
DROP PROCEDURES AFFECTING A STUDENT'S TRANSCRIPT
A student may drop a class, or withdraw from college anytime during the first four weeks of a full semester class, (or within the first 30 percent of instruction for a short-term class) without receiving any marks or notations on his or her transcript. Drops may be processed using the On-line registration (www.coc.cc.ca.us), telephone registration system [1 (888) 206-STAR (7827)], or by visiting the Admissions and Records office during business hours. Drop forms may be obtained in the Schedule of Classes, on the college web site, or in the Admissions and Records office.

WITHDRAWAL PROCEDURES
A student may withdraw from class or from college anytime between the first day of the fifth week of school and the last day of the ninth week of school for a full-length semester class (or between 30 percent and 50 percent of the term for a short-term class). Withdrawals that take place in this time frame will result in a mark of "W" being placed on the student's transcript. This symbol carries no evaluation of the student's work. However, excessive "W"s may affect a student in the calculation of probation and dismissal, loss of financial aid awards, and are sometimes not accepted in classes completed to meet major requirements at some four-year colleges and universities. Withdrawals may be processed using the On-line registration (www.coc.cc.ca.us), telephone registration STAR registration system [1 (888) 206-STAR (7827)], or by visiting the Admissions and Records office during business hours. Withdrawal forms may be obtained on college web site, or in the Admissions and Records office.

WITHDRAWAL AFTER THE ESTABLISHED DEADLINE
Instructors may not drop students from class, and students may not drop classes or withdraw from college after the withdrawal deadline. The withdrawal deadline is the 50-percent point for full-length semester classes and short-term classes. All students enrolled after the withdrawal deadline shall receive an academic grade (A, B, C, D, F, FW, CR, NC), or an incomplete mark for the course.

Deadline dates for adds, drops and withdrawals are published in the Schedule of Classes.

Petition for Extenuating Circumstances
Petitions will be accepted after the posted deadline dates for documented extenuating circumstances only. A student may petition to add, drop, or withdraw after the established deadline date only if extenuating circumstances exist. Some examples of extenuating circumstances are (1) serious and prolonged illness, (2) bereavement, and (3) job requirements. Petition forms may be obtained from the Admissions & Records or Counseling offices during business hours. The petition must be filled out by the student, signed by the appropriate person, and must include documented evidence of extenuating circumstances. The petition will then be reviewed by the Academic Standards Committee and/or its designee. Once a determination has been made by the Committee, and/or its designee, the student will receive notice of action by mail.
College of the Canyons provides many services that enhance students’ adjustment to college life and facilitate the total process of self development in the areas of social, academic and workforce preparation.

ACCIDENT INSURANCE
Accident insurance is included in the student activities fee and provides on-campus accident coverage while attending college or college-sponsored activities. It is recommended that each study carry voluntary insurance coverage for off-campus emergencies and illnesses. Information on various carriers may be obtained in the Student Health & Wellness Center.

ATHLETIC PROGRAM
College of the Canyons Cougar athletic teams compete in the Western State Conference. The College provides a wide range of intercollegiate sports for both men and women. Men’s teams compete in baseball, basketball, cross country, football, golf, swimming, and track and field. Cougar athletics fields women’s teams in basketball, cross country, golf, soccer, softball, swimming, track and field, volleyball, and water polo. Intercollegiate athletic competition is governed by the California Community Colleges Commission on Athletics.

To be eligible for intercollegiate competition, student athletes must be enrolled in a minimum of 12 units during the season of sport (nine of those units must be degree applicable). Between seasons of sport, student athletes are required to complete 24 units, 18 of which must be degree applicable, with a 2.0 grade point average. Consult the athletic director or athletic advisor to determine athletic eligibility and to complete a student educational plan.

BOOKSTORE
The College Bookstore is maintained for the convenience of the entire college community. The function of the store is to provide students with textbooks, materials and supplies required for scheduled courses. A selection of books and supplies of general interest to students is also stocked.

Operation of the Bookstore is a function of the Santa Clarita Community College District under the direction of the director of fiscal services and managed by Barnes and Noble and the College bookstore. Please refer refund policy questions to the Bookstore.

CALWORKS
CalWORKs is a state-funded program that provides supportive services and encouragement to students who are on welfare (i.e. AFDC, TANF). The program provides support to qualified students in their educational goals and in their transition from college to work or to university. Students may receive:

* Financial assistance for childcare
* Financial assistance for books, educational related materials and supplies
* Financial assistance for transportation
* Work Study opportunities that ensure all earnings are 100% exempt from cash aid
* Personal and academic counseling in a supportive and informative environment that encourages student success
* Vocational and career counseling
* Study skills, life skills and job skills workshops
* Confidential liaison between program participant, the College, the Department of Public Social Services, and other agencies
* Referral to other departments at the College and to other agencies when required

CalWORKs Eligibility Criteria

1. The student must be a legal resident of the State of California
2. The student must be on welfare (i.e. AFDC, TANF)
3. The student must be in compliance with DPSS and/or GAIN program requirements
4. The student must be enrolled and taking a minimum of six units at College of the Canyons
5. A CalWORKs contract must be signed and followed by the student
6. The student must be in compliance with the College CalWORKs program requirements
7. The student must maintain normal progress (as defined by college policies) toward a certificate or degree leading to employment while maintaining a satisfactory grade point average of 2.00 or higher.
Student Services

CalWORKs applications and information are available in Room I-24. For more information call (661) 362-3016 or (661) 362-3015.

CAMPUS ACTIVITIES AND STUDENT LIFE

Students are highly encouraged to become involved with student-development activities and opportunities for enrichment outside the classroom. Many of these activities can be found on campus or in the surrounding community and help students to apply, in practical situations, the theory they learn in the classroom. Benefits include leadership development, skill-building, interacting with people and understanding group dynamics all of which can be utilized throughout one's life.

Information about all of the following programs and services can be obtained by visiting the staff of the Office of Student Development located in Room S-103 in the Student Center.

Associated Student Government (ASG)

The purpose of the Associated Student Government is to promote the general welfare of the students, to guarantee equality of opportunity among students, to offer experience in the practice of American democratic government and to encourage student participation in planning student activities as permitted under the Education Code of the State of California and the policies of the Board of Trustees of the Santa Clarita Community College District.

The officers of the student government are elected by the student body to represent all students in interactions with the college administration, staff and faculty and with state legislators and statewide organizations. Student government personnel serve on District committees and represent student viewpoints and opinions on matters of policy, curriculum and other college issues.

The activity program supported by the ASG is a college-wide enterprise. Its operation is a direct benefit to each student.

ASG Benefits/Activities Fee

The Associated Student Government provides benefits to students who are active members of the association. Membership is obtained through payment of the Activities Fee ($10 per semester, $18 per year) which goes directly to the ASG to fund services, programs and activities which benefit all students and the campus.

ASG benefits include reduced rates or free admission to most ASG-sponsored activities such as concerts, athletic events, lectures, and also the following:

- FREE 25-SCORE card (annual membership only) which provides discounts from over 400 local merchants
- FREE use of the Computer Lab in the Student Center (paper provided for printer)
- FREE admission to all home athletic events
- Ability to apply for annual ASG scholarships
- Reduced cost (or discount) movie theater passes ($4.25-$5.00) available through the Office of Student Development
- FREE discount coupons/passes/tickets to Southern California theme parks
- Plus much more

Clubs and Organizations

Many opportunities for involvement exist through membership and participation in student clubs and organizations. More than a dozen charters are on file for a variety of clubs and organizations. Please check with the Office of Student Development for active clubs and organizations.

Students are encouraged to develop new special-interest groups on campus in addition to those which already exist. Before a new group is recognized officially, a constitution must be submitted and approved for charter by the Office of Student Development, the ASG, and the Inter Club Council.

Cougar Volunteer Service Program and Service Learning

The Office of Student Development has established working agreements with off-campus community agencies and on-campus departments to provide volunteer opportunities for students. Volunteerism through the Cougar Volunteer Service Program provides many altruistic rewards for the volunteer and a valuable service to the organization receiving the volunteer's help. A recognition system, including scholarships, exists to acknowledge students' involvement in these volunteer activities.
In addition, Service Learning opportunities exist through various courses on campus that provide students the ability to directly tie in their volunteer experience with what they are learning in the classroom while also receiving class credit. The Volunteer and Service Learning Center, housed within the Office of Student Development, coordinates the placement of students with community agency partners, provides an orientation to the program, and monitors students’ experiences.

Photo Identification Card
All students, when on campus, are required to carry a photo identification card provided by the College through the Office of Student Development. Besides serving as a form of photo identification, the card is also used by many departments providing student services such as counseling and the Library, which uses the card for checking out books and materials.

Once a student receives the initial card, the student should keep the card for the entire time period during which he or she attends the College, even during periods of non-enrollment. A replacement fee is charged for lost cards.

The initial card is the only one the student will receive during the student's tenure at the College. The same card is used each semester the student is enrolled. It is necessary for the student to receive a new validation sticker from the Office of Student Development at the beginning of each semester to validate enrollment for that semester.

CAMPUS SECURITY
The policy of the Santa Clarita Community College District Board of Trustees is to protect the members of the college community and the property of College of the Canyons. The College’s Security Department shall provide reasonable protection by using methods that fit within and contribute to the educational philosophy and process of the institution.

CAREER CENTER/JOB PLACEMENT
The Career Center offers students and community members all the tools they need to explore and define occupational interests, market themselves to potential employers, and find full- or part-time employment.

The Career Services includes more than 500 community and campus jobs posted weekly; resume, interviewing, time management/goal setting and job search workshops; job clubs; Internet access; resume critique service; faxing and phone bank privileges; semi-annual job fairs; on-campus recruitment; and career assessment software. The Career Center is located in C-103. For more information call (661) 362-3286

CHILD CARE
The Children’s Programs in the campus Center for Early Childhood Education has child care openings for financially qualified student-parents of children 12 months to 5 years of age.*

The Center offers accredited, toddler and preschool programs on campus for student-parents, financially qualified community members and all who desire services.

For information on morning, afternoon or all-day sessions and/or to see if you qualify, please call (661) 259-7800 or (661) 362-3531

*Under various state-funded programs, free and sliding scale enrollment may be possible. Openings are limited and subject to specific grant requirements.

COOPERATIVE AGENCIES RESOURCES FOR EDUCATION (CARE)
The Cooperative Agencies Resources for Education (CARE) is a State-funded program dedicated to assisting single parents who receive cash aid. At College of the Canyons since 1993, CARE is a joint effort between the California Employment Development Department, Department of Public Social Services, Chancellor’s Office, and College of the Canyons to help the student reach his or her educational and career goals. CARE offers academic, economic, and emotional support to the student who is on the road to becoming independent. CARE emphasizes services to ensure student success and is sensitive to the student's needs. Qualified students may receive, but are not limited to:

* First-day book services
* Parenting workshops
* Group support seminars
* Referral services
* Child-care grants
* Self-esteem seminars
* CARE peer advisement
* Other services, as determined by need care
Student Services

Eligibility Criteria
To be eligible for CARE, a student must:

1. Apply for financial aid
2. Be EOPS-eligible
3. Be single and head of household
4. Be 18 years of age or older
5. Have a dependent child under age 14
6. Be enrolled full time (12 units or more)
7. Be pursuing a certificate, associate degree, or a transfer program.
8. Be a legal resident of California for over a year.
9. Receive current assistance from CalWORKs, TANF, or AFDC.

CARE information is available in X-9 or by calling us at (661) 362-3279 or (661) 362-3270.

COUNSELING/PROGRAM ADVISEMENT
Counseling
Students are urged to see a counselor as soon as possible after enrolling at College of the Canyons. Counselors provide valuable assistance with educational and career planning.

The specific goal of the counseling staff is to assist students with the effective use of their personal resources and opportunities. Counselors assist students in determining, analyzing, and understanding their interests, aptitudes, abilities, limitations, and opportunities. Counselors are also skilled in providing personal counseling assistance to students. Counselors are available on an appointment and walk-in basis. Students should contact the Counseling Office regarding appointment and walk-in schedules. Students should, before the time of their appointments, study this catalog, the catalog of any college or university to which they may seek transfer, and the Schedule of Classes for the upcoming term at College of the Canyons. To obtain the most benefit from the appointment, students need to be able to discuss their long-range educational goals as well as the courses desired in the ensuing term. In addition, student success seminars are offered during the semester to accommodate students who are unable to schedule individual appointments due to staffing limitations.

Students are responsible for making final decisions concerning their college programs.

Personal-development classes are taught by counselors and cover such topics as college-success skills, career development and self awareness. See class schedule for specific offerings.

Specialized counseling is also provided through the DSP&S, EOPS, CalWORKs, New Horizons, and Transfer Center programs.

Program Advisement
Program Advisors are available in the Counseling Office on a walk-in basis. They assist students in choosing classes or programs. They also provide information regarding transfer requirements, as well as degree and certificate requirements. They are able to answer a variety of other questions and are available during both day and evening hours.

DISABLED STUDENT PROGRAMS AND SERVICES (DSP&S)
Disabled Student Programs and Services (DSP&S) offers educational support services for students with disabilities who are enrolled in college classes. The program provides services to students with a variety of disabilities, including, but not limited to, physical, psychological, communication, and learning disabilities.

The DSP&S staff facilitates provisions for support services and accommodations that may include, but are not limited to, registration and scheduling assistance, issuance of parking permits to the mobility-impaired, academic and vocational counseling, general studies classes/tutorial lab, interpreters, test-taking accommodations, note takers, interagency referrals, and alternate media.

DSP&S also offers alternate media to students who qualify. Materials available but are not limited to, Braille, large print, books on tape, and electronic text. These formats help accommodate our students’ specific needs and are created in the timeliest manner possible.

For students with learning disabilities, or those suspected of having, who are enrolled in College classes, DSP&S offers assessment to determine individual strengths and weaknesses and program eligibility according to the California Community College criteria. Academic accommodations and strategies are available.
to students meeting the criteria. Academic accommodations and strategies are available to students meeting the learning disability eligibility requirements as defined in the Title V Administration Code.

The High-Tech Center, using state-of-the-art adaptive computer technology, is also an integral part of services for students with disabilities. The High Tech Center offers a wide selection of special computer systems, peripheral devices and selected software. Trained personnel provide assistance to students with disabilities in effective use of assistive technology. DSP&S serves as a liaison with the campus and community agencies on behalf of students with disabilities. Students may contact DSP&S in Room C-103 or by calling (661) 362-3341.

Students with verifiable disabilities who do not wish to avail themselves of the services of the Disabled Students Program and Services Department may still be eligible for reasonable accommodation and service. Contact the Dean of Student Services (661)259-7800 (extension: 3292) located in A–101 for more information.

EXTENDED OPPORTUNITY PROGRAMS AND SERVICES (EOPS)

The Extended Opportunity Programs and Services (EOPS) is a State-funded retention program that recruits, and transitions to work or to university, those students are eligible. The program's aim is to serve and encourage students from various backgrounds to continue their education at the community college level. The specific responsibility of EOPS is to develop programs, services, techniques, and activities that are over and above traditional college programs. Qualified students may receive, but are not limited to:

* Priority registration
* Meal ticket subsidy
* Academic counseling
* Peer advising
* Financial aid referrals
* Transfer assistance
* College-survival classes
* Special tutoring
* First-day book service

* School supplies
* Computer supplies
* Vocational/Career counseling
* Personal counseling
* Study skills workshops
* Cultural-awareness activities
* Other services as determined by need

EOPS Eligibility Criteria

1. Being a full-time student (12 units or more) is required.
2. The student must be a legal resident of the State of California.
3. Eligibility for the Board of Governors fee waiver is required.
4. An EOPS contract must be signed and followed by the student.
5. A student must maintain normal progress (as defined by college policies) toward a goal, certificate, or degree while maintaining a satisfactory grade point average (2.00 or higher).

EOPS applications and information are available in X-9 or by calling us at (661) 362-3279 or (661) 362-3270.

FINANCIAL AID/SCHOLARSHIPS

The purpose of the student financial-aid is to assist students in attaining their educational goals. The Office of Financial Aid offers a complete array of financial support services that are designed to help students with educationally related expenses involved in obtaining a college education.

Grant, loan and work-study job opportunities may be available to any College student who establishes financial need by completing a free application for student financial aid (FAFSA). Eligible applicants will be awarded financial aid through various types of programs as funds are available. Eligible applicants will be expected to adhere to standards of satisfactory academic progress in order to continue to remain eligible for financial aid. It is also critical to meet the priority deadline date of May 15 in order to receive award notification prior to the beginning of the following fall semester.
All students must apply using the Free Application for Student Financial Aid (referred to as a “FAFSA”). Students can complete an application on the Internet at http://www.fafsa.ed.gov. or by visiting the Office of Student Financial Aid in Room C-110. For information call (661) 362-3242

**Grants**

A grant is an award, based upon demonstrated financial need and other criteria, that does NOT have to be paid back. The College participates in the Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Cal Grant B and C, and the Board of Governors Waiver Programs.

**Loans**

Low interest loans, made by lenders such as a bank, credit union or savings and loan association, are available to qualifying students to help pay for their educational costs. The Stafford Student Loan must be repaid by the student borrower as specified by the lender, usually with repayment beginning six months after leaving college.

Current and former students who are in default on their Stafford Loan Program (formerly Guaranteed Student Loans) shall not be permitted to receive financial aid, grades, transcripts, or diplomas, nor will copies of their grades be transferred to other institutions.

**Scholarships**

Many community groups and organizations sponsor student scholarships as a means of expressing confidence in College of the Canyons students. These scholarships range in amounts from $100 to $5,000 and are made available intermittently during the year. Eligibility varies according to each individual scholarship. A College Scholarship Brochure is available upon request. An up-to-date listing of available scholarships is available on the scholarship board near the Financial Aid Office in the Classroom Center, Room C-110.

**Work Study**

The College also participates in a variety of on-campus work-study programs. Although the applicants for these programs must be enrolled in a minimum of 6 units each semester, the additional program criteria vary as much as the sources of funding. Some programs require that the student be eligible based upon documented financial need, whereas other work-study programs require that the applicant have faculty recommendations, special training, past experience, specific skills or merely an interest and desire to work.

A current listing of on-campus jobs is available on the Job Placement Board located in the Career Center.

**STUDENT HEALTH & WELLNESS CENTER**

The primary purposes of the Student Health & Wellness Center are the following:

* To provide accessible ambulatory health care for the treatment of minor acute illnesses/injuries and family planning.
* To prepare students to be better informed health care consumers and active participants in their own health care.
* To encourage and educate students to avoid unnecessary illness and injury in achieving levels of wellness.
* To provide emotional support through periods of stress.

**Eligibility**

Full or part-time students, who have paid enrollment fees and are currently enrolled and active in classes.

**Cost**

No charge is made for most services. A nominal fee is charged for certain tests or injections. A mandatory $12 (fall and spring) and $9 (summer) Health Services fee is charged to all students at the time of registration.

**Personnel**

A registered nurse and/or nurse practitioner are available during Student Health and Wellness Center hours. Mental health counselors available by appointment only.

**Services**

* Treatments of acute illness
* Mental-health counseling
* Blood pressure checks
* Free health literature
* Family planning: information, pap tests, birth control
* Nutritional counseling
* Whole-health counseling
* Some vaccinations
* Pregnancy test (nominal fee)
* Referrals to physicians and other health agencies
* First aid
* Vision screening
* T.B. skin test

**Treatment of a Minor**
Any student under the age of 18 is required to have a parental consent form signed prior to receiving treatment, except in emergencies or cases exempted by state law. Minor students’ parents must sign permission for treatment at time of enrollment.

**Location**
The Center is located in the Student Center. Call (661) 259-7800, (661) 362-3259 for further information.

**Health Recommendation**
Each student should be free from any communicable disease. It is strongly recommended that student immunizations are current.

**HOUSING**
The College is a community college serving primarily the students who live within the Santa Clarita Community College District. Most of the students reside within commuting distance of the campus. The College provides no campus housing.

As a service to students living away from home, the Student Development Office maintains a board listing available rooms, apartments, and houses to share or for rent. However, the College assumes no responsibility for inspecting or supervising such housing facilities.

Landlords wishing to have their housing facilities listed must indicate that they, in offering housing, do not discriminate on the basis of race, religion or national origin. A signed statement to this effect must be on file in the Student Development Office prior to listing.

**SPECIAL EVENTS**
The College provides opportunities and facilities for visiting lecturers, music programs, films, interest group meetings and other special events.

**LEARNING RESOURCES**
The primary goal of Learning Resources is to support the College curriculum. To achieve this goal, Learning Resources, primarily through the Library and the TLC Lab, provides services and materials to assist instruction and enhance student success.

**Library, R-Building**
Library services include reference assistance, orientations, copy machines, group study rooms, a public gallery, open computer lab (with Internet access), instructor reserves and interlibrary loans. Materials include books, pamphlets, periodicals (in paper and microfiche) and audio-visual media such as tape cassettes, filmstrips, slides, and microfiche college catalogs of the western United States. These are accessible through an online catalog (College of the Canyons Library Information Online, CCLIO, in association with California Institute of the Arts) and are arranged by the Library of Congress classification system. A number of electronic resources are accessible including InfoTrac and ProQuest, (periodical indexes and databases) and Encyclopedia Britannica Online.

The Open Media Lab on the Library’s second floor provides audio-tape duplication, listening facilities, and equipment such as PCs, laser disc players, a CD-I Compact Disc Interactive player, and a variety of other audiovisual equipment. Materials include audio tapes in German, French and Spanish. College by Television programs, video tape library, English-as-a-Second Language materials, CDs, and records.

**TLC Lab, I-209**
The Tutoring/Learning/Computing Lab provides no-cost tutorial assistance in English, mathematics, and many other disciplines on a walk-in basis. In addition, computers with Microsoft Office (Word, Excel, PowerPoint and Access) and many course-related tutorials, are available for student use. Tutors are on hand to assist students with any questions regarding the computers and software.

**LOITERING**
Provisions of the California Penal Code and Education Code make it an offense punishable by fine or imprisonment for unauthorized persons to enter upon and interfere with the operation of a community college campus.
**Student Services**

**LOST AND FOUND**
Lost-and-found articles are handled through the Security Department, located in Building X-10.

**NEW HORIZONS**
The New Horizons program is designed to improve the quality of life for re-entry students, other at-risk youth, pregnant teens, single parents, displaced homemakers, the financially disadvantaged, and those seeking non-traditional careers. Students must attend the PERDEV-060 class or an approval Personal Development class. This is a 1- to 4-module, 1- to 4-unit, credit/non credit, AA/AS Applicable exit class that emphasizes personal, educational and career development skills. Students may receive the following:

- Financial assistance for childcare;
- Financial assistance for books;
- Personal and academic counseling in a supportive and informative environment that encourages student success;
- Vocational and career counseling;
- Study-skills, life skills, job skills workshops;
- Referrals to other College departments and other agencies when required

**New Horizons Eligibility Criteria**

1. The student must be a legal resident of the State of California
2. The student must be enrolled at College of the Canyons

New Horizons applications and information are available in Room X-2. For more information call (661) 362-3393.

**PARKING**
Any vehicle parked in a regular space shall have displayed a valid Student Parking Permit. Parking permits are available for purchase at the time of registration. Permits will cost $40 per semester and $20 during the summer term. Parking permits vending machines are located in the South Parking Lot and in Lot 6. An all day parking permit can be purchased from these vending machines for $1 or four quarters and are good in any student lot for the day. Motorcycle permits are $15.

All funds collected through the assessment of this fee will be used directly for parking-related projects including lighting, maintenance and security.

*Under various state-funded programs, free and sliding scale enrollment may be possible. Openings are limited and subject to specific grant requirements.

**TRANSFER CENTER**
The Transfer Center serves as a clearing house for transfer activities and information. The Transfer Center provides a variety of services and information for students who are interested in transferring to a four-year college or university.

In the Transfer Center, students will find catalogs, brochures, computer information databases, and applications for California State Universities, the University of California and many independent colleges and universities.

University representatives from UCLA, USC, California State University, Northridge, among many others, visit the center on a regular basis to provide up-to-date information on the admission requirements, financial aid, housing facilities, specific majors and much more.

Students may obtain additional information regarding transfer by dropping by the Transfer Center or by calling (661) 362-3455. Call for exact hours.

**VETERANS INFORMATION**
The College is approved for veteran’s education and training by the California State Superintendent of Public Instruction. The College is also approved by the Council for Private Post-secondary and Vocational Education for the training of veterans and other eligible persons. Veterans are encouraged to contact the Admissions and Records Office concerning any matters relating to veterans benefits.
Veterans who qualify for training under one of the following categories are eligible for assistance payments for themselves and/or their families:

* Veterans who were separated from active duty with the armed forces within the past 10 years who participated in the following programs:
  * Montgomery GI Bill - Active Duty Educational Assistance program (Chapter 30)
  * Montgomery GI Bill - Selected Reserve Educational Assistance program (Chapter 1606)
  * VEAP (Chapter 32) - Contributory VEAP or Section 903 - Services beginning on or after January 1, 1977 through June 30, 1985.
  * Vocational Rehabilitation (Chapter 31) - Veterans who served in the armed forces are eligible for vocational rehabilitation if they suffered a service connected disability while on active service which entitles them to compensations, or would do so except for the receipt of retirement pay. The Veterans' Administration (VA) determines a veteran's need for vocational rehabilitation to overcome the handicap of their disabilities.

* Spouses and/or children of the following categories of veterans may be eligible for Dependent's Educational Assistance Program (Chapter 35):
  * Veterans who are 100% permanently disabled as the result of a service-connected disability. The disability must arise out of active service in the armed forces.
  * Service persons missing in action or captured in the line of duty by a hostile force.
  * Service persons forcibly detained or interned in the line of duty by a foreign government or power.

Dependents of veterans with disabilities (spouses and/or children) may be eligible to receive tuition-free assistance at any California post-secondary educational institution (community college or university). Additional information may be obtained from the State of California, Department of Veterans Affairs, 11000 Wilshire Boulevard, Los Angeles, CA 90024.

**Veterans Policy**

Veterans Administration regulations (21.4253, 21.4277, 21.4135, and 21.4203) have established a requirement that all schools set standards of attendance and progress for attending veterans. The following guidelines have been developed to meet these requirements. For the purpose of this policy, the term “veteran” will be considered to mean all veteran-students collecting educational assistance under Chapters 34 and 35, Title 38, U.S Code.

Evaluation of previous education/training, CFR 521.4253 (d) (3)

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

**Counseling**

All veterans are required to have course approval and counseling at College of the Canyons prior to their first registration to help determine the best program available to meet their educational objectives. Veterans are encouraged to consult an advisor prior to each registration and at any other time they have problems concerning their educational program.

**Attendance**

All students, including veterans, are expected to regularly attend all classes. Any student absent without leave, for any reason whatsoever, from any class for one more time than that class meets in one week may be dropped from the class. Students who will be absent from any class or classes for one week or longer for health or other personal emergencies are required to complete an Emergency Leave Petition and file it with the Student Services Office prior to the absence.
Academic Probation and Disqualification of Veterans Benefits

Federal regulations require College of the Canyons to terminate benefits for any veteran or eligible person who remains on academic probation for two consecutive semesters. Students are placed on academic probation when, after attempting 12 units, their cumulative grade point average drops below 2.0. Veterans who are disqualified under these regulations will not have benefits reinstated until their cumulative grade point average is 2.0 or higher, they seek the advice of a counselor, and they submit a petition restating their intent to make satisfactory progress in their educational goals.

Standards of Progress

No veteran-student will be considered to have made satisfactory progress when he/she is disqualified for substandard academic work or when he/she has been dismissed for progress where 50 percent or more of all units have recorded marks of Ws, INCs, or NCs in the third consecutive semester or term of enrollment.

Exceptions will be considered upon documented evidence of extenuating circumstances. Where there are no extenuating circumstances, a report will be made to the Veterans Administration that the student is making unsatisfactory progress and no further certification for benefits will be made until approved by the director of admissions & records.

Extended Benefits

The Veterans Administration assumes that when students receive an associate degree or complete 70 semester units, they have met their objective. Any additional work completed at College of the Canyons beyond this limit requires special justification before benefits may be received. Such special justification might take the form of a letter from a four-year college or university indicating that additional courses required for a specific major will be transferred at full credit.

Duplication of Work

Veterans programs at College of the Canyons cannot duplicate previous training satisfactorily completed. Transcripts of all college work attempted must be on file in the Admissions and Records Office at College of the Canyons prior to certification for veterans benefits. (See Credit for Military Service.)
THE SPECIAL MISSION OF THE COLLEGE OF THE CANYONS FOUNDATION

The mission of the College of the Canyons Foundation is to generate and administer contributions to promote the general welfare of the College. These contributions are used to assist the College in providing the programs and services beyond what tax dollars alone will support and to strive for the highest reaches of excellence in teaching, scholarship, vocational training and innovation.

The Foundation is governed by a volunteer board of directors that is comprised of Santa Clarita Valley business and community leaders. Dedicated to providing funds to College of the Canyons through private gifts, the Board of Directors believes that public educational institutions and private enterprise must work together to provide an affordable and accessible college education for all who have the desire to succeed.

Through annual giving, special events and programs, the Foundation provides COC with crucial private resources. The Foundation needs your support. Individuals, businesses and organizations interested in contributing to the College of the Canyons Foundation are encouraged to contact

Kathleen Maloney, CFRE
Executive Director
College of the Canyons Foundation
26455 Rockwell Canyon Road
Santa Clarita, California 91355
Telephone: (661) 259-7800, Ext. 3434

COC OFFERS ACTIVITIES TO THE COMMUNITY

Students, parents and community members have many opportunities to become involved with the College through Foundation-managed support groups. Members of these support groups enjoy a variety of benefits including: social events, on campus privileges, recognition and prior notice of upcoming events.

Current support groups include:

* President's Circle: A prestigious group of community and business leaders
* Alumni and Friends Association: Current and former students at COC
* Library Associates: Individuals who are interested in supporting the COC Library
* Center for Early Childhood Education Circle of Friends.
* Friends of the Fine Arts: Art lovers who support the activities of the COC Art Gallery
* Cougar Club: Through a variety of activities, this club supports the enhancement of COC Athletic programs

The Foundation also has an active Legacy Society through which friends of the College make planned gifts to the Foundation.

If you are interested in becoming involved with the College of the Canyons Foundation, please call: (661) 362-3434.

COLLEGE OF THE CANYONS FOUNDATION BOARD OF DIRECTORS

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Steve Zimmer
Newhall Ranch Company

Emeriti Members
B.J. Atkins
Gene Burke
Thomas Dieckman
Rick Hiatt
ABSENCE FROM CLASS
Students are expected to attend class on a regular basis. Any student absent for any reason, for one more time than that class meets in one week, may be dropped from the class, providing the deadline for the instructor’s option to drop has not passed. Instructors may opt to reduce a student's grade based on excessive absences.

Students enrolled in courses other than the standard semester in length may be dropped if they are absent from more than 10 percent of the total class meetings, providing the instructor’s option to drop has not passed.

CATALOG RIGHTS
Students establish catalog rights in the first semester/term they complete courses at College of the Canyons. This initial catalog will be used when validating associate degree and vocational certificate requirements. If a student stops attending College of the Canyons for one year or longer, initial catalog rights are lost. Upon re-entry to the college after one year’s absence, catalog rights will be reestablished using the current academic catalog determined by the student’s semester/term of re-entry.

CONTINUING STUDENT STATUS
Students are considered to be in continuing student status if they are not absent from the College for more than one semester before reenrolling. Degree and transfer requirements for continuing students are determined by those listed in the catalog for the year in which they initially enroll.

ADVANCED PLACEMENT
College of the Canyons shall grant associate degree credit for successful completion of examinations in the Advanced Placement Program of the College Entrance Examination Board. Students who present scores of three or better may be granted up to eight semester units of elective credit for each examination. (Refer to the table of equivalencies.)

Advanced Placement Credit
Credit for Advanced Placement exams varies from university to university. Although College of the Canyons will give credit for Advanced Placement scores of 3 or higher, the policy may be different at the university to which the student intends to transfer. All students are advised to consult with a COC counselor or to review the catalog of their transfer college for specific rules concerning Advanced Placement Credit.

CREDIT BY EXAMINATION
Credit by Examination may be granted for proficiency previously accomplished in other than an accredited institution; for study; travel; or other experiences in College of the Canyons approved courses. Credit attempted by this method shall be so marked on the student's permanent record on an A - F grading system. Units and grade points earned shall be counted toward the Associate degree.

Units earned by Credit by Examination are not considered as units completed in residence and will not be used for reports to insurance companies or other similar agencies.

Students must obtain permission from division dean or department chair from which the course is offered and obtain approval from a counselor. A $20/unit fee must be paid prior to taking the exam. Department chairs (or division chairs) will forward the results of the examination to the Admissions and Records Office for processing and recording.

Requirements for Credit by Examination
a. Students wishing to receive credit by examination must be a student in good academic standing at College of the Canyons and be currently enrolled in a minimum of six units.

b. Petitions for credit by examination in approved courses must be submitted by the eighth week of the semester. Grades for courses taken through credit by examination are due in the Admissions and Records Office by the last day of finals for the semester or term.

c. Courses taken through credit by examination are subject to A - F grading. Incompletes, withdrawals, or no-credit grades are not allowed.

d. Unit credit may not be granted after credit has been earned for a more advanced College of the Canyons course. Additionally, unit credit may not be granted for pre-requisites once the more advanced course has been completed.

e. A second examination may not be attempted for the same course, but the course may be taken for credit following regular enrollment procedures.

f. The student must be eligible to take the particular course for credit in terms of any prerequisites and other enrollment requirements.
### Advanced Placement
Credit Allowances & Equivalencies

<table>
<thead>
<tr>
<th>Examination</th>
<th>Score</th>
<th>Units Allowed</th>
<th>COC Course Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art - Studio - Drawing</td>
<td>3</td>
<td>3</td>
<td>Art elective for associate degree</td>
</tr>
<tr>
<td>Art - Studio - Drawing</td>
<td>4 or 5</td>
<td>3</td>
<td>Art 124A</td>
</tr>
<tr>
<td>Art History</td>
<td>3</td>
<td>3</td>
<td>Art 205</td>
</tr>
<tr>
<td>Art History</td>
<td>4 or 5</td>
<td>6</td>
<td>Art 110-111</td>
</tr>
<tr>
<td>Biological Sciences</td>
<td>3, 4 or 5</td>
<td>4</td>
<td>Biology 107</td>
</tr>
<tr>
<td>Chemistry</td>
<td>3</td>
<td>4</td>
<td>Chemistry 151</td>
</tr>
<tr>
<td>Chemistry</td>
<td>4 or 5</td>
<td>6</td>
<td>Chemistry 201</td>
</tr>
<tr>
<td>Computer Science - Exam A</td>
<td>3, 4 or 5</td>
<td>3</td>
<td>Computer Science 132</td>
</tr>
<tr>
<td>Computer Science - Exam AB</td>
<td>4 or 5</td>
<td>3</td>
<td>Computer Science 182</td>
</tr>
<tr>
<td>Economics - Macroeconomics</td>
<td>3, 4 or 5</td>
<td>3</td>
<td>Economics 201</td>
</tr>
<tr>
<td>Economics - Microeconomics</td>
<td>3, 4 or 5</td>
<td>3</td>
<td>Economics 202</td>
</tr>
<tr>
<td>English Language and Composition</td>
<td>3, 4 or 5</td>
<td>6</td>
<td>English 101 and 3 units of English elective credit toward the associate degree</td>
</tr>
<tr>
<td>English Literature and Composition</td>
<td>3, 4 or 5</td>
<td>6</td>
<td>English 101 and 3 units of English elective credit toward the associate degree</td>
</tr>
<tr>
<td>French - Language</td>
<td>3, 4 or 5</td>
<td>8</td>
<td>French 101-102</td>
</tr>
<tr>
<td>German - Language</td>
<td>3, 4 or 5</td>
<td>8</td>
<td>German 101-102</td>
</tr>
<tr>
<td>Government &amp; Politics-US</td>
<td>3, 4 or 5</td>
<td>3</td>
<td>Political Science 150</td>
</tr>
<tr>
<td>Government &amp; Politics-Comparative</td>
<td>3, 4 or 5</td>
<td>3</td>
<td>Political Science 250</td>
</tr>
<tr>
<td>History - European</td>
<td>3, 4 or 5</td>
<td>6</td>
<td>History 101, 102</td>
</tr>
<tr>
<td>History - US</td>
<td>3, 4 or 5</td>
<td>6</td>
<td>History 111, 112</td>
</tr>
<tr>
<td>Mathematics - Calculus AB</td>
<td>3, 4 or 5</td>
<td>5</td>
<td>Math 211</td>
</tr>
<tr>
<td>Mathematics - Calculus BC</td>
<td>3</td>
<td>5</td>
<td>Math 211</td>
</tr>
<tr>
<td>Mathematics - Calculus BC</td>
<td>4 or 5</td>
<td>10</td>
<td>Math 211-212</td>
</tr>
<tr>
<td>Music Theory</td>
<td>3, 4 or 5</td>
<td>4</td>
<td>Music 101 and Music 120</td>
</tr>
<tr>
<td>Physics - B</td>
<td>3, 4 or 5</td>
<td>8</td>
<td>Physics 110-111</td>
</tr>
<tr>
<td>Physics - C Mechanics</td>
<td>3, 4 or 5</td>
<td>4</td>
<td>Physics 220</td>
</tr>
<tr>
<td>Physics - C Elec. &amp; Mag.</td>
<td>3, 4 or 5</td>
<td>4</td>
<td>Physics 221</td>
</tr>
<tr>
<td>Psychology</td>
<td>3, 4 or 5</td>
<td>3</td>
<td>Psychology 101</td>
</tr>
<tr>
<td>Spanish Language</td>
<td>3</td>
<td>8</td>
<td>Spanish 101-102</td>
</tr>
<tr>
<td>Spanish Language</td>
<td>4 or 5</td>
<td>4</td>
<td>Spanish 201</td>
</tr>
<tr>
<td>Spanish Literature</td>
<td>3, 4 or 5</td>
<td>4</td>
<td>Spanish 202</td>
</tr>
<tr>
<td>Statistics</td>
<td>4 or 5</td>
<td>4</td>
<td>Math 140</td>
</tr>
</tbody>
</table>
g. A maximum of 18 units may be taken through credit by examination.

h. Resident students will be charged $20 per unit attempted through credit by examination. Non-residents, and international students will be charged the non-resident enrollment fee set at the time the exam is taken.

i. Credit by examination fees must be paid prior to taking the exam. Fees are non-refundable.

CREDIT FOR MILITARY SERVICE
A veteran who has completed a continuous active duty period of 181 days or more with the United States military service (Air Force, Army, Coast Guard, Marine Corps and/or Navy), and who was discharged or released from active duty under conditions other than dishonorable, may petition and be allowed credit as follows:

* Army and Air Force: 3 units activity; 1 unit health
* Navy: 1 unit activity; 2 units health
* Coast Guard: 3 units activity; 1 unit health
* Marines: 4 units activity

* The veteran may, in addition to the credit allowable under the terms above, be allowed credit for formal, service school courses offered by the United States military services recommended by the Commission on Accreditation of Service Experiences of the American Council on Education. The credit allowed will be added to that allowed under the provisions above, and reported as elective credit (no title, no grade). A maximum of 18 units will be allowed for Service School credit. Unit credit will be posted on the academic transcript and reported to the Veteran’s Administration at the end of the second semester/term of attendance.

Veterans will be allowed full credit for college-level courses completed under the auspices of DANTES or the United States Armed Forces Institute. Such credit will be treated in the same manner and under the same policies as allowing credit from accredited colleges and universities.

Any work taken by a veteran while in military service at an accredited college or university and for which the college or university issues a regular transcript showing the credits allowable toward its own degree will be allowed credit toward the associate degree. Veterans are exempt from the health and physical education requirement for the associate degree.

CREDIT FOR LAW ENFORCEMENT ACADEMY TRAINING
Credit for basic recruit academy training instructional programs in Administration of Justice or other criminal justice occupations shall be granted as follows:

* Unit credit will be given for training from institutions which meet the standards of training of the California Peace Officers Standards and Training Commission.
* A single block of unit credit will be given and identified as academy credit.
* One unit of credit may be granted for each 50 hours of training, not to exceed ten semester units of their equivalent.
* Unit credits granted for Law Enforcement Academy Training will be posted upon completion of one unit of College of the Canyons coursework.

CREDIT FOR NON-TRADITIONAL LEARNING
College of the Canyons will allow credit for education completed in certain non-accredited, post-secondary educational settings. These settings include military service schools, programs and courses as recommended in the American Council on Education's National Guide to Credit Recommendations for Non-Collegiate Courses and appropriate programs and courses from colleges and universities not accredited by recognized accrediting agencies.

In addition, many students have previously acquired skills and knowledge that may be equivalent to that taught in established courses at the College. These skills and knowledge may be appropriately recognized by challenging certain courses to receive credit by examination.

Eligibility for the awarding of such credit is determined by the Academic Standards Committee after review of all pertinent documents in support of a petition for credit for non-traditional learning experiences.

A maximum of 18 units of credit toward the associate degree will be allowed for non-traditional learning upon completion of one unit of College of the Canyons coursework.
Sources of Credit Recommendations

Military Service Schools: credit given as recommended in Guide to Evaluation of Educational Experiences in the Armed Services (American Council on Education).

Non-Collegiate Courses: credit given as recommended in National Guide to Credit Recommendations for Non-Collegiate Courses (American counsel on Education) and addenda for California.

Non-Accredited Colleges and Universities: credit given as recommended in Transfer Credit Practices (formerly Report of Credit Given) (American Association of College Registrars and Admissions Officers) and recommendations of the Council on Post-Secondary Accreditation (COPA) regarding other accrediting associations, such as American Association of Bible Colleges.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

College of the Canyons allows credit for the College-Level Examination Program. Credit is given for subject matter examinations only and upon recommendation of the appropriate department.

CREDIT/NO CREDIT

It is recognized that many students fail to explore outside their specific fields of competence for fear of damaging their academic records. To offset this, a system of credit/no credit grading has been devised. Students have the option, during the time of registration, to petition to take classes on a credit/no credit basis in lieu of a grade of A, B, C, D, or F.

Students electing to be evaluated on a credit/no credit basis will receive credit upon satisfactory completion (grade of C or better) of the course. Students who fail to perform satisfactorily will be assigned a grade of no credit. In computing a student’s grade point average, units of credit or no credit are omitted.

Regulations

1. A maximum of 18 semester units of credit can be applied towards the associate in arts or associate in science degree.

2. Students who elect to take a course on a credit/no credit basis must receive approval of their counselor and file a Credit/No Credit Petition in the Admissions and Records Office before 30 percent of the semester, or term, transpires.

3. Courses in which this option is available are all listed in this Catalog except that no course taken credit/no credit may be used toward a major for an associate degree.

4. Students who elect to be evaluated on a credit/no credit basis do not have the option of reversing their decision at a later date.

5. Students taking courses on a credit/no credit basis are held responsible for all assignments and examinations.

6. Credit is granted only for performance equivalent to the letter grade of C or better. Courses taken on a credit/no credit basis are not counted in calculating grade point average; however, they are considered in calculating probation and dismissal.

7. Students electing to take courses on a credit/no credit basis that have a prerequisite will not have the prerequisite waived.

8. The credit/no credit option is not applicable to courses taken through credit by examination.

9. Some courses are offered on a credit/no credit basis only. These courses are listed in the College catalog.

AUDITING CREDIT COURSES

The governing board of the Santa Clarita Community College District has authorized the auditing of credit classes at College of the Canyons pursuant to AB 3776.

Classes taken by audit follow the same deadline dates as classes taken for credit. Contact Community Extension if you wish to audit classes.

Regulations

1. Students wishing to audit classes must receive the approval of the instructor of the course.

2. No student auditing a course shall be permitted to change enrollment in that course to receive credit for the course.

3. Students auditing a course are not subject to attendance, test or grade requirements. Attendance of students auditing a course is not included in computing the apportionment accounting procedures.
Academic Policies and Procedures

4. A fee of $15 per unit will be charged. Students enrolled in classes to receive credit for ten or more units shall not be charged a fee to audit three or fewer semester units. Audit fees are paid through the Community Extension office.

COURSE REPETITION
Per Title 5 of the California Code of Regulations, Section 55761, the Santa Clarita Community College District has adopted the following policy with regard to the repetition of courses for which a student has received a substandard grade. Nothing in this policy should be taken as an exception to Section 55762 of Title V, of the California Code of Regulations.

Definitions:
For the purposes of course repetition, academic renewal, and all other grade-related issues, substandard grades shall be defined as meaning course work for which the student has earned a D, F, and/or NC.

For the purposes of course repetition, academic renewal, and all other grade related issues, non-substandard grades shall be defined as meaning course work for which the student has earned an A, B, C, or Credit.

For the purposes of this policy "extenuating circumstances" is taken to mean verified cases of accidents, illness, or other circumstances beyond the control of the student.

Repetition of courses with substandard grades
Students may repeat courses for which they have earned a substandard grade one time.

Exceptions:
Students may repeat a course for which a substandard grade has been recorded more than once under the following conditions:

• The District, through its Academic Standards Committee, finds that the previous grades were, at least in part, the result of extenuating circumstances.

• The District, through its Academic Standards Committee, determines that a student should repeat a course because there has been a significant lapse of time, normally over 5 (five) years, since the student previously took the course.

• Certain courses may be repeated up to a maximum of three times for a total of four enrollments regardless of the grades earned. These courses are identified in the college catalog and the schedule of classes. All grades earned for the authorized repeats shall be counted toward the grade point average. If a substandard grade is received, maximum course enrollment must take place before the substandard repeat logic will correct the grade point average.

Transcript Notation:
When courses are repeated for which a substandard grade was received, credit will be given once. All coursework shall remain on the student's permanent record. The course will be annotated such that the grade point calculation occurs for the most recent grade.

When courses are repeated for which a non-substandard grade was received credit will be given once. All coursework shall remain on the student's permanent record. The course will be annotated such that the grade point calculation, and credit, occurs for the first grade received.

When repeating a course at another college or university to replace a substandard grade received at College of the Canyons, you must submit a Transfer-Course Repeat Form in the Admissions & Records office to have the grades posted to your College of the Canyons' academic transcript.

Repetition of courses for which the student has received a non-substandard grade
Per Section 55763 of Title 5, California Code of Regulations, the Santa Clarita Community College District has adopted the following policy with regard to repeating courses for which the student has earned a non-substandard grade:

Students may submit a petition to the Academic Standards Committee, accompanied by verified extenuating circumstances, requesting that courses be repeated. If approved, grades awarded for courses repeated under this section shall not be counted in calculating a student's grade point average, nor will the student receive unit credit.
Course repetition shall be permitted, without petition to the Academic Standards Committee, in cases where such repetition is necessary for a student to meet a legally mandated training requirement as a condition of continued paid or volunteer employment. Such courses may be repeated, for credit, any number of times, regardless of whether or not substandard work was previously recorded, and the grade received each time shall be included for purposes of calculating the student's grade point average. The Santa Clarita Community College District reserves the right to require a student to certify or document that course repetition is necessary to complete legally mandated training pursuant to this section.

ACADEMIC RENEWAL

In certain cases and within the guidelines outlined below, students may petition for alleviation of previously recorded, substandard academic performance, which is not reflective of a student's demonstrated ability.

A student's recently demonstrated performance may be quite satisfactory, but his/her cumulative grade point average may be greatly affected by poor grades earned during an earlier period when undefined educational or career goals as well as personal difficulties inhibited demonstration of his/her academic potential. In these cases, current "satisfactory" performance may not be sufficient to ensure "normal" advancement to current educational goals.

College of the Canyons acknowledges these difficulties and has adopted the following guidelines for petition of alleviation of previously substandard coursework.

If the following conditions are met the Santa Clarita Community College District may disregard from all consideration associated with the computation of a student's cumulative grade point average, up to a maximum of two (2) semesters of coursework or three (3) quarters taken at any college.

These conditions are:

A. The coursework to be disregarded is substandard. The semester/quarter grade point average of the courses to be disregarded is less than 2.0.

B. A minimum of 24 semester units have been completed at a college in the Santa Clarita Community College District with a grade point average of at least 2.0, subsequent to the coursework to be disregarded.

C. At least 3 (three) calendar years have elapsed since the most recent coursework to be disregarded.

Even though academic renewal is granted, all coursework will remain legible on the student's permanent record (transcript), ensuring a true and complete academic history. The student's permanent record will be annotated, however, so that it is readily evident to all users of the records that the units, even if satisfactory, are to be disregarded. This notation will be made at the time that the appropriate college office has received notification of approval from the Academic Standards Committee.

All units and grade points earned during such a semester shall be disregarded, even satisfactory units. Subject credit may be allowed for work completed satisfactorily during disregarded terms.

If another accredited college has acted to remove previous coursework from consideration in computing the grade point average such action shall be honored in terms of its policy. However, such units/semesters disregarded shall be deducted from the two semester maximum of coursework eligible to be disregarded in the Santa Clarita Community College District.

Academic renewal actions are irreversible. Students should meet with a counselor before taking such an action.

If the student is otherwise eligible for graduation, academic renewal may not be used to raise the grade point average in order to qualify for graduation with honors.

This policy is adopted for use in the Santa Clarita Community College District. Other institutions may have adopted different policies. The transfer status of such action depends upon the policy of the college to which a student transfers.
GRADINGS

Awarding grades to students is the responsibility of the instructor of the course in which the student is enrolled. Once awarded, grades may not be changed except where evidence is presented that a clerical error has occurred. (See Student Grievance Policy, page 154.)

The grading system and grading point equivalent follow:

- A Excellent 4 grade points/units
- B Good 3 grade points/units
- C Satisfactory 2 grade points/units
- D Passing, less than Satisfactory 1 grade point/unit
- F Failing 0 grade points/units
- FW Failing, lack of attendance 0 grade points/units

The I, W, NC, CR and IP are not used in computing grade point averages; however, INC, W, and NC are used in the calculation of progress probation/dismissal.

W Withdrawal
CR Credit
NC No Credit
IP In Progress
I Incomplete
RD Report Delayed

Note: The grade of incomplete is given only in cases of emergency and when the student is unable to complete the course due to circumstances beyond his/her control usually during the final weeks of the course. Arrangements to receive an I must be made with the instructor before the course ends.

To clear an I grade, a student must make arrangements with the instructor to make up the grade prior to the end of the ensuing semester in which the incomplete was given. Failure to clear an I grade will result in a grade by the instructor given in lieu of completion of the course and could result in an F or FW grade being assigned. An incomplete grade cannot be changed to a W or to NC. Students may not re-enroll in a class in which an I is pending.

TRANSCRIPT EVALUATION

Students who submit transcripts from other colleges and universities must request them to be evaluated by submitting a Transcript Evaluation form to the Admissions & Records Office. In most cases, units accepted from other institutions will not be posted on College of the Canyons academic transcripts until students have completed 12 units in residence. The most notable exceptions are for students requesting financial aid, military benefits, and completion of at least one unit for IGETC certification on the students’ final transcripts. For further information, contact the Admissions & Records Office.

TRANSCRIPT REQUESTS

Copies of the student academic transcript may be sent upon completion of coursework to another institution or agency upon reception of a signed written release. Signed statements of release may be mailed or faxed to the Admissions & Records Office. Students are entitled to two copies of their transcripts without cost. A charge of $5.00 will be made for each additional transcript. There is a fee of $8.00 for rush transcripts that are prepared in 24 hours. The fax number is (661) 254-7996.

PROBATION/DISMISSAL

Standards for Probation

ACADEMIC PROBATION: A student shall be placed on academic probation if the following conditions prevail:

1. The student has attempted a minimum of 12 semester units; and
2. The student has a cumulative grade point average (including summer sessions) of less than a (2.0); or
3. The student transferred to College of the Canyons from another institution of higher education where the student was on academic probation, or academically dismissed, and/or meets the College of the Canyons criteria for academic probation, subject to dismissal, and/or dismissal.

PROGRESS PROBATION: A student who has attempted a total of at least 12 units shall be placed on progress probation when 50 percent or more of all units have recorded marks of Ws, INCs or NCs.
Removal of Probation

A student on academic probation for a grade point deficiency shall be removed from probation when the student's cumulative grade point average is 2.0 or higher.

A student on progress probation because of an excess of units for which grades of W, INC or NC are recorded shall be removed from probation when the percentage of units completed in this category rises above 50 percent.

Subject to Dismissal

A student shall be subject to dismissal when his or her cumulative grade point average falls below 2.0 for two consecutive semesters. Students who are subject to dismissal are strongly encouraged to seek academic counseling from the Counseling Department. Call (661) 362-3287 for an appointment.

A student shall be subject to dismissal for progress when the number of units in which a W, INC, or NC is recorded exceeds 50 percent for two consecutive semesters. Students who are subject to dismissal are strongly encouraged to seek academic counseling from the Counseling Department. Call (661) 362-3287 for an appointment.

Dismissal

A student will be dismissed if after three consecutive semesters his or her cumulative grade point average is below 2.0. A student who is subject to dismissal shall not be dismissed if in the most recent term of enrollment the student enrolled in at least 6 (six) units and earned a semester grade point average of 2.25 or higher.

A student will be dismissed for lack of progress if after three consecutive semesters the number of units in which a W, INC, or NC is recorded exceeds 50 percent. A student who is subject to dismissal for progress shall not be dismissed if in the most recent term the student completes more than 75 percent of the units in which the student enrolled.

Exceptions to Dismissal

A student who is dismissed may be continued subject to dismissal under the following conditions:

1. The dismissal determination is based on the academic record for the semester in which the record does not reflect the student's usual level of performance due to accident, illness, or other circumstances beyond the control of the student.

2. The student elects to enroll in a prescribed corrective program designed to assist him/her in improving academic skills.

Appeal of Probation, Subject to Dismissal, and/or Dismissal

A student, who has been placed on probation, is subject to dismissal, or dismissed may submit a written appeal in compliance with college procedures. Dismissal may be postponed and the student continued subject to dismissal if the student presents evidence of extenuating circumstances or shows significant improvement in academic achievement but has not been able to achieve to a level that would meet the requirements for removal from probation or subject to dismissal status.

Appeals should be based on:

1. Evidence, based on the academic record, that subject to dismissal status does not reflect the student's usual level of performance.

2. Circumstances beyond the control of the students, for example: accident or illness.

3. Evidence that the student has enrolled in a prescribed corrective program designed to assist him/her in improving academic skills.

Re-admission after Dismissal

A student who has been dismissed may request reinstatement after one semester has elapsed (including summer sessions). The student shall submit a written petition in consultation with a counselor, no later than two (2) months prior to the start of the semester in which the student plans to attend, requesting readmission to the Academic Standards Committee. The petition must include evidence of constructive achievement during the student's one semester of absence.

Readmission may be granted, denied, or postponed subject to fulfillment of conditions prescribed by the college. Readmitted students are returned to subject to dismissal status in accordance with college policy.
Summer Sessions
If a student has been dismissed for academic reasons following the spring semester, he or she may enroll in summer sessions in order to improve his or her academic standing. The following conditions shall be enforced:

1. The student must enroll in a minimum of three (3) units.
2. To be returned to subject to dismissal status and allowed to enroll in the fall semester, the student must earn a grade point average of at least 2.25.

DIRECTORY INFORMATION
The Santa Clarita Community College District regards the following as "Directory Information" which can be released to the public: student's name, current enrollment status, dates of attendance, major field of study, degrees and awards received from the College, participation in officially recognized activities and sports, weight and height of members of athletic teams, the most recent public or private school attended by the student.

If you desire to withhold "Directory Information," you must file a written request with the Admissions and Records Office.

In accordance with the Family Education Rights and Privacy Act of 1974, all other student information, excluding that designated as Directory Information, cannot be released to a third party without written permission submitted to the college by the student. This law applies to all students attending College of the Canyons, regardless of the student's age.

EDUCATIONAL PROGRAMS
College of the Canyons offers four types of academic education: general education, transfer education, career/vocational education and developmental education.

General Education
The majority of courses offered at College of the Canyons are taken by students to meet general education requirements for associate degrees. These general education requirements are intended to provide students with a broad educational background, so that they may participate in their society more completely and benefit more from their participation.

Transfer Education
College of the Canyons provides preparation for transfer to four-year colleges and universities in a variety of programs. Our transfer courses are articulated to both the California State University and University of California systems (designated in the catalog as CSU and UC courses, respectively).

Career/Vocational Education
Career education programs at COC include vocational and occupational courses that enable students to acquire job skills or prepare for transfer to technical programs at four-year institutions. All career programs firmly support the principle of gender equity: men and women students are encouraged and supported to enter and complete any career program whether or not it has been a "traditional" field for their sex.

Developmental Education
Many courses in the English and mathematics departments are oriented toward allowing students to improve language skills (reading, spelling and writing) or mathematics skills (from basic arithmetic through high school courses).
ASSOCIATE DEGREES/GRADUATION REQUIREMENTS

The Board of Trustees of the Santa Clarita Community College District as authorized by the Board of Governors of the California Community Colleges shall confer the degree of Associate in Arts or Associate in Science upon a student who has satisfactorily completed a minimum of 60 semester units of work with a 2.0 grade-point average (C) or better in the curriculum presented for the degree and has met the requirements below. A student may not earn both the AA and AS degree from the same program.

1. File a petition for graduation no later than the fourth week of the semester in which the requirements will be completed.

2. Complete a minimum of 12 units at College of the Canyons (residence requirement).

3. Complete a minimum of 21 semester units of general education including at least one course in each of the following areas. A given course meets the requirements in only one area.

   a. Natural Sciences – three unit minimum
      * Astronomy 100, 101, 102
      * Biological Science
        100, 106, 107, 120, 125, 130, 140, 202, 204, 205, 215, 216, 218, 219, 221, 230, 231, 240, 250
      * Chemistry 110, 151, 201, 202, 221, 255, 256
      * Geology 100, 101, 102, 103, 105, 106, 107
      * Physics 101, 110, 111, 220, 221, 222
      OR
      * Anthropology 101, 101L, Geography 101, Physical Science 101, Psychology 102

   b. Social and Behavioral Sciences – three unit minimum:
      * Anthropology 103, 105, 210, Business 103, Child Development 120, Communication Studies 223, 246, 256, 260, Geography 102, Journalism 100, RTVF 100

   c. Humanities - one course, three or more units, or combination of courses giving three or more units, from the list below.
      * Anthropology 210
      * Art 110, 111, 113, 114, 124A, 124B, 133, 140, 141, 142, 205, 222, 250
      * Communication Studies 105, 150, 225, 246, 250, 256, 260
      * Dance 100, 101, 111, 121, 122, 131, 132, 133, 134, 135, 137, 141, 142, 160, 161, 170
      * Any Foreign Language
      * History 101, 102, 161, 191, 192, 240, 241, 242, 243
      * Humanities 100, 101, 105, 106, 150
      * Cinema 120, 122, 125
      * Music 100, 105, 106, 107, 120, 125, 174, 175, 176
      * Philosophy 101, 102, 110, 111, 112, 210, 220, 240
      * Photography 140, 150, 160, 175, 285
      * Sign Language 101, 102, 103, 110
      * Sociology 200
      * Theater 110, 126, 140, 141, 144, 175, 190, 192, 220, 221, 240

   d. Language and Rationality - six semester units (completion of both requirements (i) and (ii) is required).

      i. Quantitative Skills - The student will either test out by means of the placement exam or complete 3 units of mathematics (Math 063, 070 or higher), Business 144 or Economics 291.
ii. Communication Skills - The student will either test out or complete a minimum of three units from the following courses:

   English 090, 092, 101, ESL 100, 105, Journalism 105

If the student completes both the i and ii requirements in less than 6 semester units through a combination of coursework and testing the remainder of the 6 unit requirement will be selected from the following courses:

* Business 144
* Communication Studies 105, 205, 225, 227
* Economics 291
* English 080, 090, 092, 101, 102, 103, 105, 134
* ESL 100, 105
* Computer Electronics 134
* Computer Science 111, 132
* Journalism 105, 110, 205, 210
* Math 063, 070, 102, 103, 130, 140, 211, 212, 213, 214, 215, 240
* Philosophy 205, 230
* Psychology 103
* RTVF 201
* Sociology 108

e. American Institutions – six unit minimum. The requirement may be satisfied in one of the following ways:

* History 150 and Political Science 150
* History 170 and Political Science 150
* History 111 and 112
* History 111 or 112 and Political Science 150
* History 245 and Political Science 150

f. Physical Education – two units Physical Education or Dance activity required. (Veterans exempted)

4. Major field – Minimum of 18 units of study (C average) taken in a discipline or related disciplines as listed in the California Community College’s Classification of Instructional Disciplines. See specific programs for major requirements.

5. Electives

6. Writing Competency - A demonstrated ability to write expository prose in standard written English is required for the associate degree. The writing requirement may be satisfied through one of the following alternatives:

   a. Successful completion of English 090, 092, 101 (Composition), ESL 100, or Journalism 105 (Newswriting).
   b. Demonstration of proficiency through examination

7. Reading Competency - A demonstrated competency in reading is required for the associate degree. The reading requirement may be satisfied through one of the following alternatives: a. successful completion of English 080, 101, ESL 100, or their equivalent. b. Demonstration of proficiency through examination.

8. Mathematics Competency - A demonstrated competence in mathematics is required for the associate degree. The mathematics requirement may be satisfied through one of the following alternatives:

   a. Successful completion of Mathematics 063 or higher, Business 144, or Economics 291.
   b. Demonstration of proficiency through examination.

SECOND ASSOCIATE DEGREE

College of the Canyons is authorized to award a second associate degree provided the following conditions are met:

1. Minimum of 18 semester units are completed in the new major after the awarding of the first degree.

2. Minimum of 12 semester units are completed in residence at College of the Canyons after the awarding of the first degree.

3. All current College of the Canyons general-education and American Institutions requirements will have been met with the awarding of the first degree. If not, these classes will also be required.
The opportunity to work for a second degree is restricted to those students able to demonstrate a particular need and requires the approval of the vice president/dean of instruction or the dean, student services.

**GENERAL ARTS AND SCIENCES MAJOR**

The General Arts and Sciences Major allows such students to obtain an associate degree, which may or may not necessarily lead to a four-year college or university transfer. This degree has the following requirements.

1. Natural Sciences - At least 9 units (six units above the general associate degree requirement) which must include one biological science and one physical science.

2. Social Science - At least 9 units (six units above the general associate degree requirement) which must include courses in two or more subject fields.

3. Humanities - At least 9 units (six units above the general associate degree requirement) which must include courses in two or more subject fields.

4. Language and Rationality - At least 9 units (three units above the general associate degree requirement) which must include both English and quantitative reasoning (mathematics-type) courses.

**GENERAL EDUCATION TRANSFER MAJOR**

Students who intend to complete the general-education transfer requirements for certification to the California State University system or the University of California system may choose to use the certification pattern as their courses presented for the major. These options include the CSU-GE, IGETC-UC or the IGETC-CSU patterns. In addition to GE requirements, students must also complete the Physical Education requirement and the American Institute requirement for the associate degree. A “C” average in the major is required. A counselor should be consulted to clarify this option.

**CERTIFICATE OF ACHIEVEMENT**

The Board of Trustees of the Santa Clarita Community College District as authorized by the Board of Governors of the California Community Colleges shall issue a certificate of achievement when a student has successfully completed a course of study or curriculum with grades of C or better, as specified in the College Catalog and listed in the Degree Curricula and Certificate Programs.

**CERTIFICATE OF COMPLETION**

A certificate of completion is a departmental award in recognition of completed course work. It does not imply that a graduation requirement has been met. The issuance of the departmental award is not recorded on the student’s official transcript.

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**Santa Clarita Community College District**

**LOS ANGELES COUNTY**

**Crime Statistics Report**


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<thead>
<tr>
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<tbody>
<tr>
<td>I. THE OCCURRENCE ON CAMPUS OF THE FOLLOWING CRIMINAL OFFENSES:</td>
<td></td>
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<tr>
<td>a) Murder</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>b) Forcible &amp; nonforcible sexual assault</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>c) Robbery</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>d) Aggravated assault</td>
<td>0</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>e) Burglary</td>
<td>1</td>
<td>2</td>
<td>28</td>
<td>16</td>
<td>8</td>
</tr>
<tr>
<td>f) Motor vehicle theft</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>II. The number of arrests for the following crimes occurring on campus:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a) Liquor Law Violations</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>b) Drug Abuse Violations</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>c) Weapons Possessions</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
Transfer Requirements

TRANSFER REQUIREMENTS
Transfer curricula information has been compiled to help the many College of the Canyons students who intend to transfer to another college or university.

Each institution of higher learning has its own requirements for admission and for junior standing. To prepare for continued education, a student must decide which college the student will attend and learn the requirements of that particular college. These requirements can be found in the catalog of that institution. A catalog file is available in the Transfer Center and the Library.

Students should also consult the California Articulation data base- Assist (www. ASSIST. Org).

A university may be made up of a number of colleges. The college in which one will do work depends upon the field of study or major. This means that in any institution of higher learning it will be necessary for a student to fulfill three types of requirements: First, the general university requirements for graduation; second, those set up by the college under which the major department is classified; and third, those set up by the department in which a student majors.

While attending College of the Canyons, a student who plans to transfer to a four-year college or university should take the courses required by the institution the student is preparing to attend. Since each institution numbers its courses differently, the student must study the course descriptions at both colleges to see if they are equivalent. The student is advised to seek counseling assistance as early as possible in planning transfer to a four-year institution.

The student should take care in observing the application deadlines that are published by the various institutions.

For help on which courses meet transfer requirements for specific majors at various four-year colleges and universities, please see a College of the Canyons counselor.

2002-2003 INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC) (FOR TRANSFER TO CSU AND UC)
Completion of all the requirements in the Intersegmental General Education Transfer Curriculum (IGETC) will permit a student to transfer from a community college to a campus in either the California State University or University of California (i.e., College of Letters & Science, etc.) system without the need, after transfer, to take additional lower-division, general education courses to satisfy campus general education requirements.

The course requirements for all areas must be completed before the IGETC can be certified. All courses must be completed with grades of C or better. Certification of IGETC is not automatic; you must request certification with your final transcript request from Admissions and Records. The first term that course can be applied to this plan is indicated by the semester and year (F00).

For example, F00 indicates Fall 2000, which is the first term this course can be applied

AREA 1 - ENGLISH COMMUNICATION
CSU: 3 courses required, one from each group below.
UC: 2 courses required, one each from group A and B.

Group A:
English - Composition (1 course, 3 semester units)
English 101

Group B:
Critical Thinking - English Composition English 102 or English 103

Group C:
Oral Communication - CSU only (1 course, 3 semester units) Communication Studies 105

AREA 2 - MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING
(1 course, 3 semester units minimum)

Mathematics 103, 140, 211, 212, 213, 214, 215, 240

AREA 3 - ARTS & HUMANITIES
(At least 3 courses, with at least one from the “arts” and one from the “humanities” - 9 semester units)

* Course may be listed in more than one area, but shall not be certified in more than one area.
** Indicates that transfer credit may be limited by UC or CSU or both. Please consult with a counselor.
Transfer Requirements

Art Courses:
Art 110, 111, 205, Cinema 120, 122, Dance 100, Music 100, 105, 106, Photography 140 (F00), Theater 110, 220, 221

Humanities Courses:
Anthropology *210, English 135, 150, 250, 251, 260, 261, 263, 264, 265, 271 (F96), 272, 273 (F99), 274 (F99), 275, 280 (F95), French 201, 202, German 201, 202, History *101, *102, *120 (F00), **111, **112, **150, *161 (F02), *170, *191 (F00), *192 (F00), *210, History *230 (F02), *240, *241 (F01), *242 (F01), *243 (F01), *245 (F96), Humanities 100 (F02), 101 (F00), 105 (F00), 106 (F00), 150 (F02), Philosophy 101, 102, 110 (F02), 111 (F02), 112 (F02), 210, 220, 240 (F02), Sign Language 110 (F00), Sociology *200, Spanish 201, 202, 240

AREA 4 - SOCIAL AND BEHAVIORAL SCIENCES
(At least three courses in at least two disciplines - 9 semester units)
Anthropology 103, 105, *210, Biological Sciences 120 (F00), Communication Studies 250, 256 (F97), Economics 201, 202, Geography 102, History *101, *102, **111, **112, **150, *120 (F00), *161 (F02), *170, *191 (F00), *192 (F00), 210, 230 (F02), *240, *241 (F01), *242 (F01), *243 (F01), *245 (F96), Journalism 100, Political Science 150, 250, 270, Psychology 101, 105, 109 (F02), 172, 230 (F00), 235 (F95) Radio/Television/Film 100 (F99), Sociology 100 (F95), 101, 102, 103 (F01), 105 (F97) *200, 207, 208 (F00), 210 (F00)

AREA 5 - PHYSICAL AND BIOLOGICAL SCIENCES
(Two courses, one Physical Science course and one Biological Science course; at least one must include a laboratory: 7-9 semester units)
Physical Sciences:
Astronomy 100 (F97), 101, 102, Chemistry 110 (F02), **151, 201, 202, 221, 255, 256, Geography 101, Geology 100, 101, 102, 105, Physics 101 (F00), **110, **111, **220, **221, **222

Biological Sciences:
Anthropology 101, 101L (F02), Biology **100 (F01), **106, **107, 130 (F95), 140 (F02), **204, **205, **215, **216, 219 (F02), 221, 230 (F00), 240 (F02), **250, Psychology 102

LANGUAGE OTHER THAN ENGLISH
(UC requirement only) (Proficiency equivalent to two years high school study)
French 101, German 101, Sign Language 101, Spanish 101 or 101A

AMERICAN INSTITUTIONS
(Six units required): Not part of IGETC but required for graduation from CSU.
U.S. History (three units) and U.S. Constitution, State and Local Government (three units) required.
(a) History 150 and Political Science 150
(b) History 170 and Political Science 150
(c) History 111-112 (History Majors)
(d) History 111 or 112 and Political Science 150
(e) History 245 and Political Science 150
* Course may be listed in more than one area, but shall not be certified in more than one area.
** Indicates that transfer credit may be limited by UC or CSU or both. Please consult with a COC Counselor.

AP Exam scores of 3, 4, or 5 may be used to satisfy any IGETC subject area except Critical Thinking - English Composition.

Students transferring to UC do not have to meet the oral communication requirement.

Students transferring to CSU do not have to meet the proficiency in language other than English requirement.

Courses used to meet the American Institutions Requirement may not be used to fulfill IGETC requirements above.
Transfer Requirements

2002-2003 GENERAL EDUCATION TRANSFER REQUIREMENTS TO CALIFORNIA STATE UNIVERSITY SYSTEM
(In Compliance with Executive Order 595 - Subject to revision by CSU system)

Upon completion of this pattern of courses, College of the Canyons will certify that a student's lower-division general-education requirements are completed for any of the 23 campuses within the CSU system. If you transfer with GE certification, you will be responsible only for an additional 9 upper-division semester units in general education. Certification is not automatic; you must have completed 12 units in residence at College of the Canyons, and you must request certification with your final transcript at the Admissions Office. A residency requirement of 12 units must be completed at College of the Canyons prior to certification.

NOTICE:
1. These requirements apply to students who began college starting with the Fall, 2001 Semester.
2. Students must have a minimum of 56 transferable semester units with a "C" average (2.0 GPA) to be considered an upper division transfer. Of the 56 units needed, at least 30 semester units must be from the GE courses listed below. Completion of 60 transferable semester units constitutes "junior" standing.
3. Students must complete all of Area A (Communication in the English Language & Critical Thinking) and Area B-4 (Mathematics/Quantitative Reasoning) with "C" grades or better. Please be aware that some campuses may not let you complete Area A and B-4 during your last term prior to transfer to CSU -- please see a counselor for specifics.
4. With the exception of the science lab requirement (B-3), a single course may not meet more than one general education requirement.
5. For clarification of transfer eligibility, please contact a COC counselor or program advisor.
6. (F#) indicates first year that course can be applied to this plan.

AREA A: COMMUNICATION IN THE ENGLISH LANGUAGE AND CRITICAL THINKING
9 units (Select 3 units from each sub-category.)
A-1: Oral Communication: Communication Studies 105, 205 (F01), 223, 250, 256 (F97),
A-2: Written Communication: English 101
A-3: Critical Thinking: Communication Studies 225;
Computer Science 111, 132; English 102, 103, 134;
Mathematics 140; Philosophy 205; 230 (F01); Sociology 108 (F01)

AREA B: PHYSICAL UNIVERSE AND ITS LIFE FORMS
9 Units (Select at least one 3-unit class from B-1, B-2, and B-4. At least one of the selections must include a lab course, listed in B-3.)
B-1: Physical Science: Astronomy 100, 101, 102;
Chemistry 151, 201, 202, 221, 255, 256; Geography 101; Geology 100, 101, 102, 105, 106, 107; Physical Science 101 (F01); Physics 101 (F00), 110, 111, 220, 221, 222
B-2: Life Science: Anthropology 101; Biology 100 (F01), 106, 107, 130, 204, 205, 215, 216, 221, 230, 231 (F01), 250; Psychology 102
B-3: Laboratory Activity (At least one of the following classes, which have labs, must be included in Group B-1 or B-2) Biology 100 (F01), 106, 107, 204, 205, 215, 216, 221, 230, 231, 250; Chemistry 151, 201, 202, 221, 231, 255, 256; Geology 100, 107; Physical Science 101 (F01); Physics 101 (F00), 110, 111, 220, 221, 222
B-4: Mathematics/Quantitative Reasoning Economics 291; Mathematics 102, 103, 130, 140, 211, 212, 213, 214, 215, 240
Transfer Requirements

AREA C: ARTS, LITERATURE, PHILOSOPHY, FOREIGN LANGUAGES, ETHNIC STUDIES, GENERAL STUDIES
9 Units (9 Units total, with at least one class from C-1 and C-2.)

C-1: Arts (Art, Dance, Music, Theater) Art 110, 111, 113, 124A, 124B, 133, 140, 141, 205; Cinema 120, 122; Communication Studies 150; Dance 100, 101, 111, 112, 121, 122, 131, 132, 141, 142, 160, 170; English 105; Music 100, 105, 106, 120, 121 (F00), 122 (F00), 123 (F00), 125, 126; Photography 140 (F00), 150, 160, 285; Theater 110, 140, 141, 190, 220, 221

C-2: Humanities (Ethnic Studies, Gender Studies, Literature, Philosophy, Foreign Language) Anthropology 210; English 102, 135, 150, 250, 251, 260, 261, 263, 264, 265, 271, 272, 273, 274, 275, 280; French 101, 102, 201, 202, 241, 242, 243; German 101, 102, 201, 202; History 101, 102, 120 (F00), 191 (F00), 192 (F00), 240, 241 (F01), 242 (F01), 243 (F01); Humanities 101 (F00), 105 (F00), 106 (F00); Philosophy 101, 102, 210, 220; Sign Language 110 (F00); Sociology 200; Spanish 101, 101A (F00), 102, 150, 160, 201, 202, 240; Theater 240 (F00)

AREA D: SOCIAL, POLITICAL AND ECONOMIC INSTITUTIONS AND BEHAVIOR; HISTORICAL BACKGROUND
9 Units (Select classes from at least two of the sub-categories listed below. It is recommended that the American Institutions requirement be met within the selected 9 units.)

D-1: Anthropology and Archaeology: Anthropology 103, 105

D-2: Economics: Economics 150, 201, 202

D-3: Ethnic Studies: Anthropology 210; History 101, 102, 240, 245; Sociology 100, 105; Spanish 240

D-4: Gender Studies: Communication Studies 260; Health Science 243; History 120; Psychology 235; Sociology 200

D-5: Geography: Geography 102

D-6: History: History 101, 102, 111, 112, 120 (F00), 150, 170, 191 (F00), 192 (F00), 210, 240, 241 (F01), 242 (F01), 243 (F01), 245

D-7: Interdisciplinary Social or Behavioral Science Biological Sciences 120; Child Development 120 (F00); Communication Studies 246, 256; Health Science 243; Sociology 105

D-8: Political Science, Government and Legal Institutions Political Science 150, 250, 270, 290

D-9: Psychology: Psychology 101, 105, 172, 230 (F00), 235

D-10: Sociology and Criminology Sociology 100, 101, 102, 108, 200, 203 (F01), 207, 208 (F00), 210, 233 (F01)

NOTE: The American Institutions requirement (U.S. History, Constitution, California State and Local Government) as well as requirements for Political and Economic Institutions may be met by completion of one of the following options:

a. History 150 and Political Science 150;

b. History 170 and Political Science 150;

c. History 111 and 112;

d. History 111 or 112 and Political Science 150

e. History 245 and Political Science 150

AREA E: LIFELONG UNDERSTANDING AND SELF-DEVELOPMENT -- 3 UNITS

Communication Studies 250; Dance 101 (F00), 133 (F00), 134 (F00), 135 (F00) (unit limitation - all Dance courses); Health Science 150 (F00), 243; Journalism 100; Personal Development 111; Physical Education 100, 101 (F01); Physical Education Activity Classes 117-260 (limited to two units); Psychology 105, 150, 172 (F00), 230 (F00); Radio/Television/Film 100; Sociology 103, 208 (F00), 233 (F00).
CIVIC CENTER
The Civic Center Office is responsible for processing facility requests for use of the College facilities. Facility-use questions can be answered by calling (661) 362-3240.

COMMUNITY EXTENSION
Community Extension provides new avenues for personal development, skill development, cultural enrichment, and recreational enjoyment for all ages. Our "not for credit," fee-based programs include continuing education for professionals, cultural events, educational travel, youth and teen activities, and educational enhancement experiences for the Santa Clarita Valley.

Community Extension staff can be reached at (661) 362-3304 for questions regarding courses, registration procedures and/or future course offerings. Those wishing to propose new courses should call and request an instructor package.

DISTANCE LEARNING
The Distance Learning Program makes it possible for students to earn transferable college credits by taking courses via television or computer and the Internet. A distance-learning course is one in which the student and the instructor are separated for at least 30 percent of the course time. These courses allow students greater flexibility than regular classroom attendance but provide the same quality. Distance learning courses are listed in each schedule of classes and on our Web page (http://www.coc.cc.ca.us) or call (661) 362-3600 for additional information.

Online Courses
Online courses require that students have access to a computer with a modem and World Wide Web browser software such as Netscape Navigator or Microsoft Explorer (version 3 or higher). Students will communicate with their instructor(s) via email and will need access to an Internet service provider. There may be on-campus orientation meetings and periodic on-campus testing.

College by Television (CTV)
CTV courses are aired on public television and on the local public access cable channel. Because of the times that public TV broadcasts course lessons, having access to a VCR is critical. Students review the lessons, complete study assignments, and attend review sessions and take exams on campus.

EDUCATIONAL PARTNERSHIPS
Our partnerships with other higher-education institutions are a great advantage for our students. Besides our transfer alliances throughout the HITE Program, there are several colleges and universities offering upper-division and post-graduate degrees on-campus at the University Center at College of the Canyons. The University Center is in its interim location while the new University Center is under construction. The University Center will be home to colleges, universities and schools, which have programs meeting the needs of the residents and employers of the Santa Clarita Valley. The existing programs (as of 3/20/02) are described below.

For further information regarding the University Center at College of the Canyons, contact the interim director, Dr. Diana Watkins, at 661-259-7800, x 3474, or datawoman@hotmail.com.

California State University, Bakersfield (CSUB)
- B.A. in Communications
- B.A. in Liberal Studies
- Multiple Subject Credential
- MA in Education with a concentration in Educational Administration
- Tier 1 and Tier 2 of the Administrative Services credential
- MA in Education with a concentration in Curriculum and Instruction.
- Online Bachelor of Science in Environmental Resource Management.
The University of La Verne
- B.A. in Business Administration.
- MBA
- M.S. in School Counseling; Pupil Personnel Services
- School Counseling Credential
- M.Ed. in Educational Management, Preliminary
- Administrative Services Credential
- B.S in Child Development (Planned for end of Calendar year)
- M.S. in Child Development (Planned for end of Calendar year)

Woodbury University
- B.S. in Business and Management (concentrations in Finance, Human Resources, and Management)
- MBA in Business Administration.

Chapman University
- B.A. in Criminal Justice.

ELS Language Schools
- ELS offers an Intensive Language Institute for English as a second language students. The program is a combination of reading, writing, listening and speaking English. Students who attend the Intensive Program and complete Level 109 fulfill COC’s English requirement in lieu of the TOEFL. ELS Language Center students who meet COC’s normal academic requirements can receive a Conditional Letter of Acceptance.

Nova Southeastern University
- Ed.D. in Higher Educational Administration. Specialties in Adult Education, Computing and Information Technology, Health Care Education, and Higher Education are offered as a subset of the Ed.D.

CSU Fresno
- B.S. in Industrial Technology (BSIT), with a specialization in Computer Networking. (BSIT graduates typically are employed as Technical Managers)
- B.S. in Interior Design as of Fall 2002.

TEACH
- California is looking for 300,000 new K-12 teachers in the next ten years. TEACH is a grant-funded partnership helping to find and train future teachers at College of the Canyons. The TEACH Program prepares College of the Canyons students with valuable one-on-one, in-classroom experience. TEACH also provides workshops about the teaching profession as well as seminars to pass the CBEST test, in preparation for transferring to a four-year college to complete degrees and state teaching credential requirements.
- CSUB is a partner
- CSUN is a future partner

ACADEMY OF THE CANYONS
- College of the Canyons also has several partnerships with the local high school district, the William S. Hart Union High School District. One of them, located on the College of the Canyons campus is the Academy of the Canyons. The Academy of the Canyons is a comprehensive high school through which students take their required high school classes and college classes as well. The program is designed for students who are mature and ready for a college-campus experience. Applications are made through the high school district. For further information regarding the Academy of the Canyons, contact the principal, Mr. Dave LeBarron, at 661-362-3056, or lebarron_d@mail.coc.cc.ca.us or aoc@hartdistrict.org

EMPLOYEE TRAINING INSTITUTE
The goal of the Employee Training Institute (ETI) is to provide customized training to the local workforce that improves the competitive edge of the companies served.

ETI partners with business and the Valencia Industrial Association to provide unparalleled opportunities and benefits. ETI offers custom-designed instruction at company work sites or at our training facilities; provides technical training (such as CNC, Inspection Techniques, Soldering and Office Automation) as well as culture changing solutions (such as Management Skills, Communication through Customer Service Skills and Lean Manufacturing techniques). Classes improve employee job skill to meet changing technologies, increase employee satisfaction and productivity, and provide business with the ability to meet changing business markets.
Special Programs & Courses

Convenience
Classes are scheduled before, during or after business hours on weekdays or weekends throughout the year. The programs can be short or long-term, a single workshop or a series that runs several weeks.

Quality
The Employee Training Institute brings resources and training expertise to public and private employers of the Santa Clarita Valley. Training meets or exceeds company standards, and courses can be offered for college credit.

Cost-Effective
ETI’s fees are economical and competitive. Because ETI is local, companies need not pay the cost of bring in an outside training firm or sending employees out of town. ETI offers State funded training opportunities, too, and works to expand training department resources. Call (661) 259-3874 for further information about services, or come to Building X-8.

HITE AND HONORS PROGRAM
The High-Intensity Transfer Enrichment (HITE) and Honors Program is designed to challenge students to achieve their highest academic potential and to successfully transfer to a four-year institution. To meet these goals, students in the program undertake special course projects in addition to the regular course requirements. Projects are completed on a contractual basis with individual faculty members. Students completing projects/contracts in 18 units are eligible to become HITE graduates while students who also have at least a 3.0 GPA can become HITE graduates. All students who complete the program receive special recognition at graduation. Diplomas and transcripts are also notated.

Other benefits for participating in the HITE and Honors Program include the opportunity to establish a closer relationship with professors, increasing the likelihood of better letters of recommendation for transfer admissions and scholarships. HITE and Honors students also have the chance to tour local four-year colleges and universities, where they meet with counselors and often receive complimentary catalogs and tickets to cultural and sporting events.

Transfer Alliance Agreements and Honor Societies
Additionally, participants intending to transfer to UCLA are eligible for membership in the Transfer Alliance Program (TAP), which gives priority admission consideration to any major in the College of Letters and Science at UCLA. Similarly, students interested in transferring to USC can participate in the Transfer Scholars Partnership (TSP) and receive guaranteed priority admission consideration to USC and special consideration for scholarships. Moreover, students intending to transfer to Pepperdine University can join our transfer program called Wavelink to receive priority transfer admission and scholarship consideration. Students who are planning to transfer to Pomona College can participate in our Pomona Agreement for Transfer Honors (PATH) to qualify for priority admission and scholarship consideration. Students interested in transferring to UC Riverside can participate in our Honors Alliance for Riverside Transfers (HART) for priority admission, housing, and scholarship consideration. New Alliances are being added all the time, so check with the HITE and Honors Office. In addition, students with a 3.0 grade point average or better can join the COC chapter of Alpha Gamma Sigma (the California community college honor society). Students with a 3.5 grade point average or better are eligible for membership in Phi Theta Kappa (the national community college honor society). Membership in one or both of these societies entitles the students to special recognition, the opportunity to compete for scholarships and more.

For information about the HITE and Honors Program, TAP, PATH, TSP, Wavelink or the other alliances and the two honor societies, call the HITE Office at (661) 362-3333, or drop by the office in C-103 and pick up a HITE and Honors Program brochure.
INTENSIVE SPANISH INSTITUTE (ISI)
The Spanish Program offers a unique daytime foreign-language and culture program, combining traditional courses with cultural workshops and guided group conversations over a one-week period. Students can earn up to 3.5 units of credit during the five days of the total immersion program. The comprehensive program provides all levels of language instruction from beginning to advanced. Cultural learning is an integral part of this program, which is ideal for teachers who need a second language requirement, nurses and emergency service personnel, students who want an in-depth language and cultural experience, and community members interested in Spanish language and culture. Specialized courses are offered in Spanish for the Medical Profession; Spanish for Teacher; Spanish for the Business Profession; Spanish for Law Enforcement; and more.

For more information contact the institute director at (661) 362-3580 or consult the Schedule of Classes.

INTERNATIONAL STUDENTS PROGRAM (ISP)
The International Students Program (ISP) exists to assist all foreign students attending College of the Canyons. The ISP Office is located in Room C-101. Students can be assisted to obtain I-20 certification as a step to receiving an F-1 student visa. Academic, vocational, and personal counseling are provided to foreign students by the ISP Office. Students are encouraged to make an appointment by calling (661) 362-3580.

MATHEMATICS, ENGINEERING SCIENCE ACHIEVEMENT (MESA)
Mathematics, Engineering, Science Achievement (MESA) is a program that helps students to excel in math, engineering and the sciences. If your goal is to transfer to a university with a major in math, engineering or science and you are eligible for financial assistance, then MESA is for you.

MESA is based on a rigorous program that builds academic skills and encourages cooperative problem-solving. Student learning communities, access to technology, academic advisement, and other support services are available to MESA students while they are at College of the Canyons. The MESA student study center, located in X-2, is where students can study, participate in workshops, and receive academic advisement and support. For more information, call (661) 362-3448.

PROGRESSIVE ADULT COLLEGE EDUCATION (PACE)
PACE is an accelerated educational format for working adults to complete their education while meeting the demands of their busy lives. Most classes meet one evening per week and on Saturdays. While the traditional semester lasts for 18 weeks, most PACE classes run nine week sessions. If you take two classes at a time, you are able to complete 12-15 units per semester. In only five semesters, taking two courses each session, you can fulfill most requirements for your associate degree and prepare to transfer to a university.

Features of the PACE program include

* College courses for busy adults,
* Most classes meet one night per week and selected Saturdays,
* Classes that start every nine weeks at many locations
* Career skills enhancement,
* Completion of an associate degree or preparation to transfer in only five semesters,
* Choose from Business Administration, Liberal Studies, or General Education Distance Learning (Saturday track)

For more information, contact the PACE office at (661) 362-3525 or by e-mail at: pace@mail.coc.cc.ca.us.

SCHOLASTIC HONORS
President's Honors List
A President's Honors List of students who achieve academic honors is published each semester. It lists the name of each student who has completed 12 units or more of work with a grade-point average of 3.5 or higher during the immediately preceding regular semester.

In addition to the public recognition given to the President's Honors List, each student listed will receive a letter of commendation.
Graduation with Honors
Students who have attained a grade point average of 3.5 for all college work and have completed a minimum of 30 semester units in a community college are awarded honors at graduation. Students meeting all these requirements and who attain a grade point average of 3.75 and above are graduated with high honors.

SEMESTER ABROAD
The College is a member of the Southern California Foothills Consortium, a group of California community colleges. Through the Consortium, the College offers a Semester in Salamanca,(Spain) Program in the spring and the Semester in London Program in the fall. Both programs are open to students of all ages who have earned at least 12 college units with a grade point average of 2.5 or higher and qualify to take English 101. An information meeting is given in the term prior to the start of each program. This meeting provides interested students with program highlights, details and costs.

The College also offers a London Work and Study Program through a consortium arrangement with Mt. San Antonio College. The requirements are the same as those for the semester-abroad described above, except that a student must have carried a minimum of 8 units in the semester prior to participating.

TECH PREP
Tech Prep is a sequenced program of study beginning in high school and/or Regional Occupational Program and continuing through community college. The goal is to ensure students make a smooth transition from high school to college and into meaningful high-quality employment, and/or further their education. Tech Prep addresses the need expressed by business communities throughout the nation to better educate and train students for employment in technical careers and for inevitable future career shifts brought about by the rapidly changing technological workplace.

A critical component of Tech Prep is the creation of partnerships between education and employers in order to help students learn more about their potential career path. College of the Canyons is continuously working with its business partners and local feeder high schools to develop programs in the fastest and largest growing occupational areas in this geographic region.

In addition to career exploration and career-related school-based learning, Tech Prep promotes work-based learning, such as: Cooperative Work Experience, internships, volunteer and Community Service Learning, job shadowing and mentoring. Tech Prep also provides referrals to other college departments and to other agencies for job placement and career related services.

SPECIAL COURSES
Special Topics - Courses Listed as 198 or 098
Special topics courses are offered in a department to add depth to the course offerings. Special topics courses in a department's curriculum offers pedagogy but with a focus area that changes from term to term. Topics are differentiated from one another within the department offering by a unique letter designation after the number, i.e. 198A. Each topic's course is designated with the number 198 (transferable) or 098 (non-transferable).

Experimental Courses - Courses Listed as 199 or 099
An experimental course is offered with the intent to make it part of the regular curriculum. Each experimental course is designated with the number 099 (non-transferable) or 199 (transferable).

Independent Study Courses
Enrollment in existing courses by independent study is done with permission of the instructor to act as sponsor, as well as the Instruction Office. Individual independent study courses may be taken only to substitute for approved courses not available during the semester of enrollment. See a College counselor for further information.

299 Directed Study Courses
Enrollment in directed study courses is by consent of the instructor to act as sponsor. Admission is based on evidence of ability to pursue independent study in-depth and approval of a project at the time of enrollment in the course. Regular progress meetings and reports are required during the semester. Enrollment is not a substitute for an existing course.

NOTE: Consult a counselor regarding limitations on maximum credit allowed for directed study courses upon transfer to the University of California system.
WORK EXPERIENCE, COOPERATIVE EDUCATION PROGRAM
The Cooperative Work Experience Education (CWEE) Program has been integrated into programs throughout the College. This program allows students to apply knowledge they gain in college courses in an actual work setting. In addition, internship students who qualify for this program are able to sample career choices and to improve job-readiness skills. This would be a paid or unpaid work experience that provides college credit. Information regarding student-eligibility requirements is available from the CWEE office by calling (661) 362-3309 for general CWEE information or (661) 362-3681 for internship information. Web site: http://www.coc.cc.ca.us/offices/CWEE
Office location: TY-105

WHY IS THE CWEE PROGRAM OFFERED?
College of the Canyons and the local business community recognize job experience is a valuable learning resource. The CWEE objectives are designed to help the student:

1. Gain realistic work experience that is meaningfully related to the student’s program major.
2. Acquire knowledge, skills and attitude essential for successful employment in a specific program major.
3. Explore possible vocational career options.

TYPES OF CWEE ENROLLMENT

OCCUPATIONAL WORK EXPERIENCE EDUCATION
The CWEE program provides learning opportunities and career awareness for students through either paid or voluntary employment. Students must be employed in a field related to their occupational goals or college major.

General Work-Experience Education
The CWEE program is the supervised employment of students with the intent of assisting them to acquire desirable work habits, career awareness and positive attitudes in jobs. The jobs held by students need not be related to their occupational goals or college programs.

CWEE SCHOOL CREDIT
A CWEE student must be enrolled and maintain a seven-unit course load including CWEE throughout the fall and spring semesters. For summer, the students must be enrolled in at least one additional course from any of the summer sessions.

A student may earn one (1) unit of elective credit for every seventy-five (75) hours of paid work per semester or sixty (60) hours of volunteer work per semester

For the satisfactory completion of Cooperative Work Experience Education, the College shall grant elective credit to a student as follows:

a. General work-experience education: No more than three (3) credit hours per semester with a maximum of six semester credit hours.

b. Occupational work-experience education: No more than four (4) credit hours per semester with a maximum of 16 semester credit hours.

Duplicate credit shall not be granted for concurrent enrollment in general work-experience education and occupational work-experience education with approved job-related objectives.

A. Student Eligibility: Occupational CWEE
1. The student’s job must be directly related to his/her college major career goal.
2. Learning objectives are prepared each semester with the aid of the job supervisor and college instructor/coordinator.

HOW TO ENROLL IN THE CWEE PROGRAM
1. Enroll as a student at College of the Canyons with 7 units including CWEE internship.
2. When the semester begins, attend one of the mandatory orientation classes that will provide all program requirements. The orientation schedule will be listed in the current class schedule.
Degree Curricula and Certificate Programs
## INSTRUCTIONAL PROGRAMS

### ACADEMIC PROGRAMS

* = Associate Degree Programs

<table>
<thead>
<tr>
<th>Program</th>
<th>Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting (see Business)</td>
<td>Human Resources Management (see Business)*</td>
</tr>
<tr>
<td>Accounting Technician (see Business)*</td>
<td>Industrial Technology*</td>
</tr>
<tr>
<td>Administration of Justice*</td>
<td>Interior Design</td>
</tr>
<tr>
<td>Art</td>
<td>Journalism*</td>
</tr>
<tr>
<td>Astronomy</td>
<td>Library/Media Technologies*</td>
</tr>
<tr>
<td>Athletic Training</td>
<td>Marketing (see Business)*</td>
</tr>
<tr>
<td>Biological &amp; Physical Science*</td>
<td>Mathematics*</td>
</tr>
<tr>
<td>Business*</td>
<td>Music*</td>
</tr>
<tr>
<td>Chemistry</td>
<td>• Composition</td>
</tr>
<tr>
<td>Cinema</td>
<td>• Performance/Guitar</td>
</tr>
<tr>
<td>Communication Studies</td>
<td>• Performance/Jazz</td>
</tr>
<tr>
<td>Computer Information Technology*</td>
<td>• Performance/Voice</td>
</tr>
<tr>
<td>Computer Networking*</td>
<td>Nursing (LVN and RN)*</td>
</tr>
<tr>
<td>Computer Science*</td>
<td>Philosophy*</td>
</tr>
<tr>
<td>Dance</td>
<td>Photography*</td>
</tr>
<tr>
<td>Drafting (see Design Arts &amp; Technology)*</td>
<td>Photojournalism*</td>
</tr>
<tr>
<td>Early Childhood Education*</td>
<td>Physical Education - Kinesiology*</td>
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<tr>
<td>Economics</td>
<td>Physics</td>
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<td>Engineering*</td>
<td>Political Science</td>
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<tr>
<td>English*</td>
<td>Psychology*</td>
</tr>
<tr>
<td>English as a Second Language</td>
<td>Quality Technology*</td>
</tr>
<tr>
<td>Fire Technology*</td>
<td>Radio/Television/Film</td>
</tr>
<tr>
<td>Foreign Languages*</td>
<td>Real Estate*</td>
</tr>
<tr>
<td>• French*</td>
<td>Sign Language</td>
</tr>
<tr>
<td>• German*</td>
<td>Small Business Management</td>
</tr>
<tr>
<td>• Spanish*</td>
<td>Social Science*</td>
</tr>
<tr>
<td>General Arts &amp; Sciences*</td>
<td>Sociology*</td>
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<tr>
<td>General Education - Transfer*</td>
<td>Theatre</td>
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<tr>
<td>Geography</td>
<td>Water Systems Technology</td>
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<tr>
<td>Geology</td>
<td>Welding</td>
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</table>

### CERTIFICATE PROGRAMS

<table>
<thead>
<tr>
<th>Program</th>
<th>Program</th>
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</thead>
<tbody>
<tr>
<td>Administration of Justice</td>
<td>Fire Technology</td>
</tr>
<tr>
<td>Animation</td>
<td>• Pre-Service Option</td>
</tr>
<tr>
<td>Business</td>
<td>• In-Service Option</td>
</tr>
<tr>
<td>• Accounting Technician</td>
<td>Interior Design</td>
</tr>
<tr>
<td>• Business Transfer</td>
<td>Journalism*</td>
</tr>
<tr>
<td>Business Management</td>
<td>Library/Media Technology</td>
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<tr>
<td>• Human Resources Management</td>
<td>Manufacturing Technology</td>
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<tr>
<td>• Marketing</td>
<td>Medical Assistant</td>
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<tr>
<td>• Small Business Management</td>
<td>Multi-Media</td>
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<tr>
<td>Computer Information Technology</td>
<td>• Broadcast</td>
</tr>
<tr>
<td>• Administrative Assistant</td>
<td>• Business</td>
</tr>
<tr>
<td>• Computer Applications</td>
<td>• Communication</td>
</tr>
<tr>
<td>Computer Networking</td>
<td>• Creative</td>
</tr>
<tr>
<td>• CISCO</td>
<td>• Music</td>
</tr>
<tr>
<td>• MCSE</td>
<td>Nursing</td>
</tr>
<tr>
<td>Drafting</td>
<td>• CNA</td>
</tr>
<tr>
<td>• Architectural</td>
<td>Photography*</td>
</tr>
<tr>
<td>• Computer Drafting</td>
<td>Photojournalism*</td>
</tr>
<tr>
<td>• Mechanical</td>
<td>Quality Technology</td>
</tr>
<tr>
<td>Early Childhood Education</td>
<td>Real Estate*</td>
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<tr>
<td>• Infant/Toddler</td>
<td>Vocational Nursing</td>
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<tr>
<td>• Preschool</td>
<td>Welding</td>
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<td>• School Age</td>
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<tr>
<td>• Special Education</td>
<td></td>
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<tr>
<td>• Supervision/Administration</td>
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</tbody>
</table>

* Associate Degree Program
**ADMINISTRATION OF JUSTICE**

**PROGRAM DESCRIPTION**
The Administration of Justice program involves the study of Law Enforcement in the United States with an emphasis on California law, procedures and evidence. Provides instruction in understanding the background behind the laws. The purpose of the certificate is to provide the student with personal and technical competence in a specific occupation area. Successful completion of the core courses listed below provides the student with broad knowledge and proficiency in the area of Administration of Justice.

**Associate in Science Degree:**
Administration of Justice

Courses required for the major:
Select 18 units in Administration of Justice

Certificate of Achievement:
Administration of Justice

The purpose of a certificate program is to provide the student with personal and technical competence in a specific occupational area. Successful completion of the core courses listed below provides the student with broad knowledge and proficiency in the area of Administration of Justice.

Courses:

ADMJUS 101 Introduction to Law Enforcement ........................................ 3.0
ADMJUS 110 Principles & Procedures of the Justice System ...................... 3.0
ADMJUS 125 Criminal Law I .............................................................. 3.0
ADMJUS 135 Evidence ........................................................................... 3.0
ADMJUS 185 Police-Community Relations .............................................. 3.0
ADMJUS 130 Report Writing for Law Enforcement .................................. 3.0
ADMJUS 150 Patrol Procedures ............................................................ 3.0
ADMJUS 155 Criminal Investigation ...................................................... 3.0
ADMJUS 160 Traffic: Enforcement/Investigation ...................................... 3.0
ADMJUS 175 Vice Control ...................................................................... 3.0
ADMJUS 180 Dangerous Drugs & Narcotics .......................................... 3.0
ADMJUS 190 Police Administration ....................................................... 3.0

Total Units = 18.0

**ANIMATION**

**PROGRAM DESCRIPTION**
Animation Production provides skills necessary in the animation industry with a focus on drawn animation.

**Associate in Arts: Animation production**

Courses required for the major:

ANIM 101 Introduction to Animation .................................................... 3.0
ANIM 201 Advanced Animation ............................................................ 3.0
ANIM 280 Animation Portfolio .............................................................. 3.0
ART 111 History of Art: Renaissance to the Present .................................. 3.0
ART 124A Drawing I ............................................................................. 3.0
ART 124B Drawing II ........................................................................... 3.0
ART 140 Beginning Design: 2D Media ................................................. 3.0
ART 141 Beginning Design: 3D Media .................................................. 3.0

Plus three units from the following:

ANIM 130 Interactive 2D Computer Animation ........................................ 3.0
DAT 142 2D Computer Illustration ....................................................... 3.0
DAT 173 Audio and Motion Graphics .................................................... 3.0

Plus three units from the following:

ANIM 120 Story Development and Storyboarding .................................. 3.0
ANIM 222 Character and Prop Design for Animation .............................. 3.0
ANIM 221 Layout for Animation .......................................................... 3.0

**Recommended Electives**

ANIM 140 Introduction to 3D Studio Max Animation .................................. 3.0
ANIM 141 Introduction to 3D Computer Animation: Maya ...................... 3.0
ANIM 190 Animation Production .......................................................... 3.0
ART 224A Drawing III - Life Drawing .................................................... 3.0
DAT 101 Survey of Design Arts Technology ............................................ 3.0
DAT 172 Digital Editing ......................................................................... 3.0
THEATR 140 Acting Fundamentals ........................................................ 3.0

Total Units=30.0
# Associate Degree Program

## Degree Curricula and Certificate Programs

### Associate in Arts: Computer Animation

#### Courses required for the major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ANIM 101</td>
<td>Introduction to Animation</td>
<td>3.0</td>
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<tr>
<td>ANIM 130</td>
<td>Interactive 2D Computer</td>
<td>3.0</td>
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<tr>
<td>ANIM 130</td>
<td>Animation</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 111</td>
<td>History of Art: Renaissance to the Present</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 124A</td>
<td>Drawing I</td>
<td>3.0</td>
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<tr>
<td>ART 124B</td>
<td>Drawing II</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 140</td>
<td>Beginning Design: 2D Media</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 141</td>
<td>Beginning Design: 3D Media</td>
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**Plus three units from the following:**

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ANIM 140</td>
<td>Introduction to 3D Studio Max</td>
<td>3.0</td>
</tr>
<tr>
<td>ANIM 141</td>
<td>Introduction to 3D Computer</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 124A</td>
<td>Drawing I</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 124B</td>
<td>Drawing II</td>
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**Recommended Electives**

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>ANIM 120</td>
<td>Story Development and Storyboarding</td>
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<tr>
<td>ANIM 221</td>
<td>Layout for Animation</td>
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<tr>
<td>ANIM 222</td>
<td>Character and Prop DeSign</td>
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<tr>
<td>ART 224A</td>
<td>Drawing III - Life Drawing</td>
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<tr>
<td>DAT 172</td>
<td>Digital Editing</td>
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<tr>
<td>THEATR 140</td>
<td>Acting Fundamentals</td>
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**Total Units: 27.0**

### Certificate of Achievement: Computer Animation

#### Courses:

<table>
<thead>
<tr>
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<td>Interactive 2D Computer</td>
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<tr>
<td>ANIM 280</td>
<td>Animation Portfolio</td>
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<tr>
<td>ART 124A</td>
<td>Drawing I</td>
<td>3.0</td>
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<tr>
<td>ART 124B</td>
<td>Drawing II</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 224A</td>
<td>Drawing III - Life Drawing</td>
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</tr>
<tr>
<td>DAT 101</td>
<td>Survey of Design Arts</td>
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<tr>
<td>DAT 173</td>
<td>Audio and Motion Graphics</td>
<td>3.0</td>
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**Plus three units from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
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<td>3.0</td>
</tr>
<tr>
<td>ANIM 140</td>
<td>Introduction to 3D Studio Max</td>
<td>3.0</td>
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**Recommended Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>ANIM 190</td>
<td>Animation Production</td>
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<tr>
<td>ANIM 221</td>
<td>Layout for Animation</td>
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**Total Units: 33.0**

* Associate Degree Program
ANTHROPOLOGY

PROGRAM DESCRIPTION

Anthropology is a scientific discipline that studies humans and human behavior. The subject is typically divided into two broad fields - physical and cultural anthropology. Physical anthropology is concerned with the evolutionary and biological features of human population. Cultural anthropology deals with a wide variety of learned forms of behavior, such as language, kinship, religion, economics, technology, values and personality.

As both a biological and social science, anthropology seeks to order and explain humankind and our bio-cultural history. As such, the anthropology program has been developed to provide a broad perspective concerning human biological and cultural origins, evolution and variations.

Anthropology courses complement other social science and biological science courses. Anthropology majors are of value in careers as diverse as law and medicine. Specific careers as an archaeologist, museum curator, archivist, documentary filmmaker and naturalist may be pursued through anthropology.

Degree Requirements

An associate degree is not available in anthropology since this is considered to be a transfer major. Students wishing the associate degree should major in General Education and include those classes required by the transfer institution.
**ART**

**PROGRAM DESCRIPTION**

The art program provides students two major foci: one is understanding and appreciating the cultural heritage of art; the second is developing skills in the studio arts of drawing, painting, printmaking, design and sculpture. The art program offers a wide range of studio-skills courses at beginning and intermediate levels. Appreciation and history courses survey the development of art from the Paleolithic Period to the present, with a special focus on contemporary American artists. In addition to developing critical and creative skills, art students have many opportunities to get involved in contemporary art culture. As part of the regular program, students will do many of the following activities: visit local exhibitions, artists’ studios, private collections and art libraries; gain assistance for transfer to four-year colleges and art institutions; prepare professional portfolios and obtain skills for personal appreciation.

**Associate in Arts: Art**

**Courses required for the major:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 110</td>
<td>History of Art: Paleolithic to Renaissance</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 111</td>
<td>History of Art: Renaissance to the Present</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 124A</td>
<td>Drawing I</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 124B</td>
<td>Drawing I</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 140</td>
<td>Beginning Design: 2D Media</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 141</td>
<td>Beginning Design: 3D Media</td>
<td>3.0</td>
</tr>
</tbody>
</table>

*Recommended Electives*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 227</td>
<td>Painting I</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 235</td>
<td>Sculpture</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 244</td>
<td>Advertising Graphics</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total Units=18.0**

**ASTRONOMY**

**PROGRAM DESCRIPTION**

Astronomy is the study of the principles and development of the solar system and the galaxies. Astronomy classes are limited to general survey introductory courses for physical science majors or students looking for interesting alternatives to fulfill general education requirements. The following is a sample of career options available for astronomy majors. Most require a baccalaureate degree, and some require a graduate degree: air pollution operations, consumer safety officer, engineer, teacher, and astrophysicist.

**Degree Requirements**

An associate degree is not available in Astronomy since this is considered to be a transfer major. Students can complete a degree in Biological and Physical Science.
PROGRAM DESCRIPTION

The Athletic Training program/degree is designed to prepare the student for appropriate procedures in the prevention, care and rehabilitation of athletic injuries. This program is designed to transfer students to a four-year institution where they can continue their education to fulfill professional requirements such as ones governed by the National Athletic Trainers Association (NATA); students with these skills and knowledge will be able to transfer to California State University, Northridge.

Associate in Science Degree: Athletic Training

Courses required for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSED 100</td>
<td>Health Education</td>
<td>3.0</td>
</tr>
<tr>
<td>PHYSED 109</td>
<td>Emergency Procedures</td>
<td>2.0</td>
</tr>
<tr>
<td>PHYSED 110</td>
<td>Prevention and Care of Athletic Injuries</td>
<td>3.0</td>
</tr>
<tr>
<td>PHYSED 110L</td>
<td>Prevention and Care of Athletic Injuries</td>
<td>1.0</td>
</tr>
<tr>
<td>PHYSED 112</td>
<td>Athletic Training Clinical Experience</td>
<td>1.0 – 3.0</td>
</tr>
<tr>
<td>BIOSCI 107</td>
<td>Molecular &amp; Cellular Biology</td>
<td>4.0</td>
</tr>
<tr>
<td>BIOSCI 204</td>
<td>Human Anatomy/Physiology I</td>
<td>4.0</td>
</tr>
<tr>
<td>BIOSCI 205</td>
<td>Human Anatomy/Physiology II</td>
<td>4.0</td>
</tr>
<tr>
<td>BIOSCI 250</td>
<td>Human Anatomy &amp; Physiology</td>
<td>8.0</td>
</tr>
<tr>
<td></td>
<td>(In lieu of BIOSCI 204 &amp; BIOSCI 205)</td>
<td></td>
</tr>
</tbody>
</table>

Plus six units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSED 113</td>
<td>Athletic Training, Fall Sports</td>
<td>2.0</td>
</tr>
<tr>
<td>PHYSED 114</td>
<td>Athletic Training, Spring Sports</td>
<td>2.0</td>
</tr>
<tr>
<td>PHYSED 115</td>
<td>Advanced Athletic Training, Fall Sports</td>
<td>2.0</td>
</tr>
<tr>
<td>PHYSED 116</td>
<td>Advanced Athletic Training, Spring Sports</td>
<td>2.0</td>
</tr>
</tbody>
</table>

Total Units = 28.0 – 30.0

PROGRAM DESCRIPTION

Biological Sciences covers all aspects of the scientific study of life and emphasizes both the unity and diversity of living things. The structure, function, and behavior of organisms are studies at the molecular, cellular, organismal and environmental levels. The biology program serves three areas of study: It provides broad background of studies for the biology major preparing for transfer to a four-year institution; it offers support courses in human anatomy, human physiology, and general microbiology which may be used to satisfy prerequisites for nursing programs and other allied-health fields; and it provides courses in natural science to fulfill general education requirements. Physical sciences are those disciplines of the natural sciences other than the biological sciences. They generally involve nonliving materials and the principles of fundamental nature which have been sought since humans appeared on earth. Physical sciences offered include: astronomy, chemistry, geography, geology, physical science and physics. The courses, for the most part, are designed to meet the general education and major transfer requirements for the physical sciences.

Associate in Science Degree: Biological & Physical Sciences

Courses required for the major:

8 units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOSCI 106</td>
<td>Organismal &amp; Environmental Biology</td>
<td>4.0</td>
</tr>
<tr>
<td>BIOSCI 107</td>
<td>Molecular &amp; Cellular Biology</td>
<td>4.0</td>
</tr>
<tr>
<td>BIOSCI 215</td>
<td>General Zoology</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOSCI 216</td>
<td>General Botany</td>
<td>4.0</td>
</tr>
<tr>
<td>BIOSCI 219</td>
<td>Marine Biology</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOSCI 221</td>
<td>Introduction to Microbiology</td>
<td>5.0</td>
</tr>
<tr>
<td>BIOSCI 230</td>
<td>Introduction to Biotechnology</td>
<td>5.0</td>
</tr>
<tr>
<td>BIOSCI 240</td>
<td>Molecular Genetics</td>
<td>4.0</td>
</tr>
</tbody>
</table>

AND
**Degree Curricula and Certificate Programs**

12 units from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 110</td>
<td>Introductory Chemistry</td>
<td>4.0</td>
</tr>
<tr>
<td>CHEM 151</td>
<td>Preparatory General Chemistry</td>
<td>4.0</td>
</tr>
<tr>
<td>CHEM 201</td>
<td>General Chemistry I</td>
<td>6.0</td>
</tr>
<tr>
<td>CHEM 202</td>
<td>General Chemistry II</td>
<td>5.0</td>
</tr>
<tr>
<td>PHYSIC 101</td>
<td>Introduction to Physics</td>
<td>4.0</td>
</tr>
<tr>
<td>PHYSIC 110</td>
<td>General Physics I</td>
<td>4.0</td>
</tr>
<tr>
<td>PHYSIC 111</td>
<td>General Physics II</td>
<td>4.0</td>
</tr>
<tr>
<td>PHYSIC 220</td>
<td>Physics for Scientists &amp; Engineers: Mechanics of Solids &amp; Fluids</td>
<td>4.0</td>
</tr>
<tr>
<td>PHYSIC 221</td>
<td>Physics for Scientists &amp; Engineers: Electricity &amp; Magnetism</td>
<td>4.0</td>
</tr>
<tr>
<td>PHYSIC 222</td>
<td>Physics for Scientists &amp; Engineers: Wave Motion, Heat, Optics, and Modern Physics</td>
<td>4.0</td>
</tr>
<tr>
<td>GEOL 101</td>
<td>Physical Geology</td>
<td>3.0</td>
</tr>
<tr>
<td>GEOL 107</td>
<td>Minerals, Rocks &amp; Fossils</td>
<td>3.0</td>
</tr>
<tr>
<td>GEOG 101</td>
<td>Cultural Geography</td>
<td>3.0</td>
</tr>
<tr>
<td>ASTRON 101</td>
<td>The Stellar System</td>
<td>3.0</td>
</tr>
<tr>
<td>ASTRON 102</td>
<td>The Solar System</td>
<td>3.0</td>
</tr>
<tr>
<td>ANTHRO 101</td>
<td>Physical Anthropology</td>
<td>3.0</td>
</tr>
<tr>
<td>PHYSIC 101</td>
<td>Physical Science</td>
<td>4.0</td>
</tr>
</tbody>
</table>

**Total Units = 20.0**

**BUSINESS**  
(Includes Accounting, Management, and Marketing)

**PROGRAM DESCRIPTION**

The Department offers a comprehensive program for transfer and non-transfer students. The first two years of coursework in preparation for the four-year degree in Accounting and/or Business Administration may be completed, or students may earn associate degrees and/or certificates while exploring areas of personal interest or job enrichment. The program offers a variety of courses in Accounting, Bookkeeping, Business Administration, International Business, Business Mathematics, Management, Finance, Investing, Marketing, Salesmanship, Electronic Commerce, Advertising, Ethics, Law, Conflict Resolution, and Managing Diversity in the Workplace. Associate degree and certificate programs are designed to allow students to specialize in a particular area, and are especially useful for persons seeking a first job, or looking to advance in a current career. The specialized areas are Accounting Technician, Small Business Management, Human Resource Management, Marketing, and Business Transfer. Course requirements for each certificate or major are listed below:

**Associate in Science Degree and Certificate of Achievement: Accounting Technician**

Courses required for the major or certificate:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 100</td>
<td>Introduction to Business</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 101</td>
<td>Bookkeeping &amp; Accounting I</td>
<td>5.0</td>
</tr>
<tr>
<td>BUS 144</td>
<td>Business Mathematics</td>
<td>5.0</td>
</tr>
<tr>
<td>CIT 115</td>
<td>Business English</td>
<td>3.0</td>
</tr>
<tr>
<td>CIT 145</td>
<td>Quickbooks</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 206</td>
<td>Computer Income Tax Accounting</td>
<td>3.0</td>
</tr>
<tr>
<td>Or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUS 211</td>
<td>Business Law</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total Units = 22.0**
# Degree Curricula and Certificate Programs

**Associate in Science Degree and Certificate of Achievement: Accounting**

**Courses required for the major or certificate:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 201</td>
<td>Principles of Accounting I</td>
<td>5.0</td>
</tr>
<tr>
<td>BUS 202</td>
<td>Principles of Accounting II</td>
<td>5.0</td>
</tr>
<tr>
<td>BUS 211</td>
<td>Business Law</td>
<td>3.0</td>
</tr>
<tr>
<td>ECON 201</td>
<td>Macroeconomics</td>
<td>3.0</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Microeconomics</td>
<td>3.0</td>
</tr>
<tr>
<td>ECON 291</td>
<td>Statistical Methods in Business and Economics</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Recommended Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIT 145</td>
<td>Quickbooks</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total Units = 22.0**

---

**Associate in Science Degree and Certificate of Achievement: Human Resources Management**

**Courses required for the major or certificate:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 100</td>
<td>Introduction to Business</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 110</td>
<td>Principles of Management</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 126</td>
<td>Managing Workplace Diversity</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 132</td>
<td>Negotiation and Conflict</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 160</td>
<td>Business Ethics</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 211</td>
<td>Business Law</td>
<td>3.0</td>
</tr>
<tr>
<td>CIT 116</td>
<td>Business Communications</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total Units = 21.0**

---

**Associate in Science Degree and Certificate of Achievement: Small Business Management**

**Courses required for the major or certificate:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 100</td>
<td>Introduction to Business</td>
<td>3.0</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUS 110</td>
<td>Principles of Management</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 117</td>
<td>Sm. Business Entrepreneurship</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 126</td>
<td>Managing Workplace Diversity</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 132</td>
<td>Negotiation and Conflict</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 140</td>
<td>Principles of Marketing</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 160</td>
<td>Business Ethics</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Recommended Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIT 145</td>
<td>Quickbooks</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total Units = 21.0**

---

**Associate in Science Degree and Certificate of Achievement: Marketing**

**Courses required for the major or certificate:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 100</td>
<td>Introduction to Business</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 110</td>
<td>Principles of Management</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 140</td>
<td>Principles of Marketing</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 141</td>
<td>Principles of Advertising</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 142</td>
<td>Principles of Selling</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 190</td>
<td>Principles of Electronic</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 211</td>
<td>Business Law</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total Units = 21.0**

---

**Associate in Science Degree and Certificate of Achievement: Accounting**

**Courses required for the major or certificate:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 201</td>
<td>Principles of Accounting I</td>
<td>5.0</td>
</tr>
<tr>
<td>BUS 202</td>
<td>Principles of Accounting II</td>
<td>5.0</td>
</tr>
<tr>
<td>BUS 211</td>
<td>Business Law</td>
<td>3.0</td>
</tr>
<tr>
<td>ECON 201</td>
<td>Macroeconomics</td>
<td>3.0</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Microeconomics</td>
<td>3.0</td>
</tr>
<tr>
<td>ECON 291</td>
<td>Statistical Methods in Business and Economics</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Recommended Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIT 145</td>
<td>Quickbooks</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total Units = 22.0**

---

**Child Development**

(See Early Childhood Education)
COMMUNICATION STUDIES

PROGRAM DESCRIPTION

Courses in communication studies focus on the ways in which verbal and nonverbal communication impacts the meaning of messages within different contexts. Coursework emphasizes the development of both effective communication practices and the skills. As our societies become more diverse and our technologies more complex, our need to understand varied communication systems and their effects grows. The department prepares students to identify and meet these challenges not only within individual and small group situations, but at the level of mass communication as well. Coursework in Communication Studies undoubtedly provides a foundation for success in all disciplines.

Degree Requirements

An associate degree is not available in Communication Studies since this is considered to be a transfer major. Students wishing the associate degree should major in General Education and include those classes required by the transfer institution.

CINEMA

PROGRAM DESCRIPTION

Courses in cinema provide a broad survey of the history, theory, techniques and development of motion pictures. The history of film as an aesthetic form and its major artists, works and styles are emphasized.

DEGREE REQUIREMENTS

An associate degree is not available in Cinema. Students wishing the associate degree should major in General Education and include those classes required by the transfer institution.
**COMPUTER INFORMATION TECHNOLOGY**

**PROGRAM DESCRIPTION**

An associate degree in Computer Information Technology is offered as well as various certificates in Computer Information Technology and Web technologies. The department is also an authorized testing center for Microsoft certification in all the Microsoft Office suite programs (Word, Excel, Access, and PowerPoint) and, in 2002 will become an authorized testing center for WOW (World Organization of Webmasters) exams in Web site development and e-commerce. The MOUS (Microsoft Office User Specialist) certification provides an outstanding opportunity for students to present to prospective employers a globally recognized certificate representing high-level skills and achievement. Likewise, WOW certification is a benchmark recognized industry-wide and signifies to prospective employers that students have met high standards of proficiency in the areas of Web site development and design. The CIT programs provide the training and exposure that is essential to prospective computer users and office workers at all levels. Excellent career opportunities exist for students in the expanding field of information technology.

**Associate in Science and Certificate of Achievement: Administrative Assistant**

The Associate Degree and Certificate of Achievement are designed to provide a working knowledge of office systems and procedures and advanced-level computer skills required for a successful career or employment in an office or business environment.

**Courses required for the major or certificate:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIT 101</td>
<td>Computer Fundamentals</td>
<td>3.0</td>
</tr>
<tr>
<td>CIT 105</td>
<td>Microsoft Windows</td>
<td>3.0</td>
</tr>
<tr>
<td>CIT 110</td>
<td>Keyboarding and Document</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Processing</td>
<td></td>
</tr>
<tr>
<td>CIT 116</td>
<td>Business Communications</td>
<td>3.0</td>
</tr>
<tr>
<td>CIT 120</td>
<td>Office Procedures</td>
<td>3.0</td>
</tr>
<tr>
<td>CIT 140</td>
<td>Microsoft Office</td>
<td>3.0</td>
</tr>
<tr>
<td>CIT 150</td>
<td>Microsoft Word I</td>
<td>3.0</td>
</tr>
<tr>
<td>CIT 155</td>
<td>Microsoft Excel I</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total Units = 24.0**

**Associate in Science and Certificate of Achievement: Computer Applications**

The Associate Degree and Computer Application Certificate are designed to provide a solid foundation in state-of-the-art, highly marketable business software used in industry today. These advanced-level computer skills are required for a successful career in the high tech world.

**Courses required for the major or certificate:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIT 105</td>
<td>Microsoft Windows</td>
<td>3.0</td>
</tr>
<tr>
<td>CIT 110</td>
<td>Keyboarding and Document</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Processing</td>
<td></td>
</tr>
<tr>
<td>CIT 135</td>
<td>The Internet</td>
<td>3.0</td>
</tr>
<tr>
<td>CIT 150</td>
<td>Microsoft Word I</td>
<td>3.0</td>
</tr>
<tr>
<td>CIT 155</td>
<td>Microsoft Excel I</td>
<td>3.0</td>
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<td>CIT 160</td>
<td>Microsoft Access I</td>
<td>3.0</td>
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<tr>
<td>CIT 165</td>
<td>Microsoft PowerPoint</td>
<td>3.0</td>
</tr>
<tr>
<td>CIT 166</td>
<td>Desktop Publishing</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total Units = 24.0**

---

* Associate Degree Program
PROGRAM DESCRIPTION

Computer Networking involves the study, understanding, and application of basic and advanced personal computer hardware and software concepts. Computer networking includes such areas as CISCO router configuration, Category 5 cabling techniques and troubleshooting algorithms, installation and troubleshooting of PC networks and hardware, to name a few. The Computer Networking program has the following four options open to students: a two-year occupational program leading to an associate degree, a 22-unit program leading to a College certificate in CISCO router configuration, a 27 unit program leading to a college MCSE certificate, or a 27 unit program leading to an associate degree. All four options include core curriculum and study that will lead to a College certificate in A+ hardware proficiency.

Associate in Science and Certificate of Achievement: Computer Networking: MCSE

The purpose of the Computer Networking program is to provide the student with personal and technical competence in a specific occupational area. Upon successful completion (grade C or better) of the program, the student is believed to possess entry-level competencies.

Courses required for the major or certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPELC 130</td>
<td>Computer Electronics I</td>
<td>4.0</td>
</tr>
<tr>
<td>CMPNET 137</td>
<td>A+ Certification I</td>
<td>2.0</td>
</tr>
<tr>
<td>CMPNET 138</td>
<td>A+ Certification II</td>
<td>2.0</td>
</tr>
<tr>
<td>CMPNET 142</td>
<td>Networking Essentials</td>
<td>1.5</td>
</tr>
<tr>
<td>CMPNET 143</td>
<td>Implementing &amp; Supporting MS Windows NT / Workstation</td>
<td>2.0</td>
</tr>
<tr>
<td>CMPNET 144</td>
<td>Implementing &amp; Supporting MS Windows NT Server</td>
<td>2.0</td>
</tr>
<tr>
<td>CMPNET 145</td>
<td>MCSE Exchange Server</td>
<td>2.0</td>
</tr>
<tr>
<td>CMPNET 146</td>
<td>MS Windows NT Server-Enterprise Technology</td>
<td>2.0</td>
</tr>
<tr>
<td>CMPNET 147</td>
<td>MCSE System Administration of MS SQL Server</td>
<td>2.0</td>
</tr>
<tr>
<td>CMPNET 148</td>
<td>MCSE Internetworking with MS TCP/IP On Windows NT</td>
<td>2.0</td>
</tr>
<tr>
<td>CMPNET 149</td>
<td>MCSE Internet Information Server on Windows NT</td>
<td>2.0</td>
</tr>
<tr>
<td>CMPNET 154</td>
<td>Cisco System Computer Networking 1</td>
<td>3.5</td>
</tr>
</tbody>
</table>

Total Units = 22.0
*COMPUTER SCIENCE

PROGRAM DESCRIPTION

Computer Science is a program dealing with the problems in organizing, representing, manipulating and presenting information in an automatic processing environment. Computerized information systems are being developed and used in almost every field where information must be processed. The goal of the computer science program is to provide understanding of the functions of the modern computer and operational skills in data entry and programming. The following list is a sample of the many career options available for the computer science major. A few require an associate degree, most require baccalaureate degrees and some require a graduate degree: programmer, computer hardware specialist, data base specialist, computer operator, systems analyst, programmer analyst, software engineer, computer engineer, and a teacher.

Associate in Science: Computer Science

Courses required for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPSCI 111</td>
<td>Introduction to Algorithms and</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Programming/Java</td>
<td></td>
</tr>
<tr>
<td>CMPSCI 111L</td>
<td>Introduction to Algorithms and</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td>Programming/Java Lab</td>
<td></td>
</tr>
<tr>
<td>CMPSCI 122</td>
<td>Introduction to Digital Computers</td>
<td>3.0</td>
</tr>
<tr>
<td>CMPSCI 182</td>
<td>Data Structures and Program Design</td>
<td>3.0</td>
</tr>
<tr>
<td>CMPSCI 182L</td>
<td>Data Structures and Program Design</td>
<td>1.0</td>
</tr>
<tr>
<td>CMPSCI 222</td>
<td>Computer Organization</td>
<td>3.0</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CMPSCI 235</td>
<td>C Programming</td>
<td>3.0</td>
</tr>
<tr>
<td>CMPSCI 236</td>
<td>C++ Object Oriented Programming</td>
<td>3.0</td>
</tr>
<tr>
<td>CMPSCI 282</td>
<td>Advanced Data Structures</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 211</td>
<td>Calculus I</td>
<td>5.0</td>
</tr>
<tr>
<td>MATH 212*</td>
<td>Calculus II</td>
<td>5.0</td>
</tr>
<tr>
<td>MATH 214*</td>
<td>Linear Algebra</td>
<td>3.0</td>
</tr>
<tr>
<td>PHILOS 230</td>
<td>Symbolic Logic</td>
<td>3.0</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

May take any 3 unit CMPSCI course in lieu of PHILOS 230

Total Units = 36.0

*Non-transfer students may complete 8 units of additional Computer Science coursework.

DANCE

PROGRAM DESCRIPTION

The dance program introduces students to a variety of dance techniques that include Fundamentals of Dance, Beginning and Intermediate Ballet, Modern Dance, Beginning and Intermediate Jazz, World Dance, African Dance, Ballroom and Social Dance, Introduction to Tap Dance, Dance Concert Ensemble, Introduction to Choreography, and Introduction to Yoga. There are numerous opportunities for students of all levels and interests to perform by enrolling in a dance rehearsal and performance class or participating in one of the performing groups. Many dance courses also meet general-education requirements in the arts, humanities, and physical-education categories.

Degree Requirements

An associate degree is not available in Dance. Students wishing the associate degree should major in General Education and include those courses required by the transfer institution.
**Design Arts and Technology**

**Program Description**
The Design Arts and Technology department (DAT) offers courses, certificates, and/or degrees in the disciplines of architectural drafting, computer aided drafting/design (CADD), graphic design, interior design, mechanical drafting and multimedia. The DAT program offers foundation and advanced courses in design principles, design history, applied color, material selections, visual communication and presentation techniques. The best selection of visual expression, whether hand- or computer-generated, will be emphasized to accurately communicate design concepts.

**Associate in Science and Certificate of Achievement: Drafting/Architectural**

Courses required for the major or certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAT 163</td>
<td>Architectural Drafting I</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 262</td>
<td>Architectural Drafting II</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 264</td>
<td>AutoCAD for Architecture &amp; Interior Design</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 265</td>
<td>Advanced AutoCAD for Architecture &amp; Interior Design</td>
<td>3.0</td>
</tr>
<tr>
<td>ID 114</td>
<td>History of Architecture and Interiors</td>
<td>3.0</td>
</tr>
<tr>
<td>ID 115</td>
<td>History of Architecture and Interiors</td>
<td>3.0</td>
</tr>
<tr>
<td>ID 212</td>
<td>Space Planning</td>
<td>3.0</td>
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</table>

*Plus nine units from the following:*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANIM 101</td>
<td>Introduction to Animation</td>
<td>3.0</td>
</tr>
<tr>
<td>ANIM 140</td>
<td>Introduction to 3D Studio Max Animation</td>
<td>3.0</td>
</tr>
<tr>
<td>ANIM 240</td>
<td>Advanced 3D Studio Max Animation</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 150</td>
<td>AutoCAD for Mechanical Drafting</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 252</td>
<td>Mechanical Drafting II</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 282</td>
<td>Advanced AutoCAD (2D)</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 283</td>
<td>Advanced AutoCAD - 3D</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 286</td>
<td>Fundamentals of AutoLISP &amp; AutoCAD Customization</td>
<td>3.0</td>
</tr>
</tbody>
</table>

*Total Units = 30.0*

**Associate in Science and Certificate of Achievement: Drafting/Computer (CADD)**

Courses required for the major or certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANIM 101</td>
<td>Introduction to Animation</td>
<td>3.0</td>
</tr>
<tr>
<td>ANIM 140</td>
<td>Introduction to 3D Studio Max Animation</td>
<td>3.0</td>
</tr>
<tr>
<td>ANIM 240</td>
<td>Advanced 3D Studio Max Animation</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 151</td>
<td>AutoCAD for Mechanical Drafting</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 252</td>
<td>Mechanical Drafting II</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 264</td>
<td>AutoCAD for Architecture &amp; Interior Design</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 265</td>
<td>Advanced AutoCAD for Architecture &amp; Interior Design</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 101</td>
<td>Survey of Design Arts Technology</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 100A</td>
<td>Intro to Design Technology I</td>
<td>1.0</td>
</tr>
<tr>
<td>DAT 100B</td>
<td>Intro to Design Technology II</td>
<td>1.0</td>
</tr>
<tr>
<td>DAT 100C</td>
<td>Intro to Design Technology III</td>
<td>1.0</td>
</tr>
<tr>
<td>DAT 101</td>
<td>Survey of Design Arts Technology</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 282</td>
<td>Advanced AutoCAD (2D)</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 283</td>
<td>Advanced AutoCAD - 3D</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 286</td>
<td>Fundamentals of AutoLISP &amp; AutoCAD Customization</td>
<td>3.0</td>
</tr>
</tbody>
</table>

*Total Units = 24.0*

**Associate in Science and Certificate of Achievement: Drafting/Mechanical**

Courses required for the major or certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAT 150</td>
<td>Introduction to Mechanical Drafting</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 151</td>
<td>AutoCAD for Mechanical Drafting</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 252</td>
<td>Mechanical Drafting II</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 253</td>
<td>Solids Modeling for Mechanical Drafting</td>
<td>3.0</td>
</tr>
<tr>
<td>MFGT 102</td>
<td>Engineering Drawing Interpretation</td>
<td>3.0</td>
</tr>
</tbody>
</table>

*Plus 9 units from the following:*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANIM 101</td>
<td>Introduction to Animation</td>
<td>3.0</td>
</tr>
<tr>
<td>ANIM 140</td>
<td>Introduction to 3D Studio Max Animation</td>
<td>3.0</td>
</tr>
<tr>
<td>ANIM 240</td>
<td>Advanced 3D Studio Max Animation</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 100A</td>
<td>Intro to Design Technology I</td>
<td>1.0</td>
</tr>
<tr>
<td>DAT 100B</td>
<td>Intro to Design Technology II</td>
<td>1.0</td>
</tr>
<tr>
<td>DAT 100C</td>
<td>Intro to Design Technology III</td>
<td>1.0</td>
</tr>
</tbody>
</table>

*Total Units = 30.0*
### Degree Curricula and Certificate Programs

#### MULTIMEDIA/COMMUNICATION CERTIFICATE OF ACHIEVEMENT REQUIREMENTS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAT 101</td>
<td>Survey of Design Arts Technology</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 282</td>
<td>Advanced AutoCAD (2D)</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 283</td>
<td>Advanced AutoCAD - 3D</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 286</td>
<td>Fundamentals of AutoLISP &amp; AutoCAD Customization</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total Units = 24.0**

#### MULTIMEDIA/BUSINESS CERTIFICATE OF ACHIEVEMENT REQUIREMENTS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 100</td>
<td>Introduction to Business</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 140</td>
<td>Principles of Marketing</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 100A</td>
<td>Intro to Design Technology I</td>
<td>1.0</td>
</tr>
<tr>
<td>DAT 100B</td>
<td>Intro to Design Technology II</td>
<td>1.0</td>
</tr>
<tr>
<td>DAT 100C</td>
<td>Intro to Design Technology III</td>
<td>1.0</td>
</tr>
<tr>
<td>ID 104</td>
<td>Rapid Visualization &amp; Illustration</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 105</td>
<td>Digital Photography I</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 140</td>
<td>Visual Design</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 173</td>
<td>Audio and Motion Graphics</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 175</td>
<td>Multimedia Production</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 275</td>
<td>Multimedia Production II</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 279</td>
<td>Multimedia Portfolio</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 295</td>
<td>Professional Practices</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total Units = 39.0**

#### MULTIMEDIA/BROADCAST CERTIFICATE OF ACHIEVEMENT REQUIREMENTS

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTVF 100</td>
<td>Media and the Society</td>
<td>3.0</td>
</tr>
<tr>
<td>RTVF 115</td>
<td>Writing for Broadcast</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 100A</td>
<td>Intro to Design Technology I</td>
<td>1.0</td>
</tr>
<tr>
<td>DAT 100B</td>
<td>Intro to Design Technology II</td>
<td>1.0</td>
</tr>
<tr>
<td>DAT 100C</td>
<td>Intro to Design Technology III</td>
<td>1.0</td>
</tr>
<tr>
<td>ID 104</td>
<td>Rapid Visualization &amp; Illustration</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 105</td>
<td>Digital Photography I</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 173</td>
<td>Audio and Motion Graphics</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 175</td>
<td>Multimedia Production</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 275</td>
<td>Multimedia Production II</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 279</td>
<td>Multimedia Portfolio</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 295</td>
<td>Professional Practices</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total Units = 39.0**

#### MULTIMEDIA/MUSIC CERTIFICATE OF ACHIEVEMENT REQUIREMENTS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMS 105</td>
<td>Speech Fundamentals</td>
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</tr>
<tr>
<td>DAT 100A</td>
<td>Intro to Design Technology I</td>
<td>1.0</td>
</tr>
<tr>
<td>DAT 100B</td>
<td>Intro to Design Technology II</td>
<td>1.0</td>
</tr>
<tr>
<td>DAT 100C</td>
<td>Intro to Design Technology III</td>
<td>1.0</td>
</tr>
<tr>
<td>ID 102</td>
<td>Applied Color for Designers</td>
<td>3.0</td>
</tr>
<tr>
<td>JOURN 100</td>
<td>Media &amp; the Society</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total Units = 39.0**

#### MULTIMEDIA CREATIVE CERTIFICATE OF ACHIEVEMENT REQUIREMENTS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>DAT 100A</td>
<td>Intro to Design Technology I</td>
<td>1.0</td>
</tr>
<tr>
<td>DAT 100B</td>
<td>Intro to Design Technology II</td>
<td>1.0</td>
</tr>
<tr>
<td>DAT 100C</td>
<td>Intro to Design Technology III</td>
<td>1.0</td>
</tr>
<tr>
<td>DAT 101</td>
<td>Survey of Design Arts Technology</td>
<td>3.0</td>
</tr>
<tr>
<td>ID 102</td>
<td>Applied Color for Designers</td>
<td>3.0</td>
</tr>
<tr>
<td>ID 104</td>
<td>Rapid Visualization &amp; Illustration</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 105</td>
<td>Digital Photography I</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 140</td>
<td>Visual Design</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 173</td>
<td>Audio and Motion Graphics</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 175</td>
<td>Multimedia Production</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 275</td>
<td>Multimedia Production II</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 279</td>
<td>Multimedia Portfolio</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 295</td>
<td>Professional Practices</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total Units = 33.0**

#### MULTIMEDIA/MUSIC CERTIFICATE OF ACHIEVEMENT REQUIREMENTS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAT 100A</td>
<td>Intro to Design Technology I</td>
<td>1.0</td>
</tr>
<tr>
<td>DAT 100B</td>
<td>Intro to Design Technology II</td>
<td>1.0</td>
</tr>
<tr>
<td>DAT 100C</td>
<td>Intro to Design Technology III</td>
<td>1.0</td>
</tr>
<tr>
<td>DAT 101</td>
<td>Survey of Design Arts Technology</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 105</td>
<td>Digital Photography I</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 140</td>
<td>Visual Design</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 173</td>
<td>Audio and Motion Graphics</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 175</td>
<td>Multimedia Production</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 275</td>
<td>Multimedia Production II</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 279</td>
<td>Multimedia Portfolio</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 295</td>
<td>Professional Practices</td>
<td>3.0</td>
</tr>
<tr>
<td>ID 102</td>
<td>Applied Color for Designers</td>
<td>3.0</td>
</tr>
<tr>
<td>ID 104</td>
<td>Rapid Visualization &amp; Illustration</td>
<td>3.0</td>
</tr>
<tr>
<td>MUSIC 100</td>
<td>Fundamentals of Music</td>
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</tr>
<tr>
<td>MUSIC 105</td>
<td>Understanding Music</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total Units = 39.0**

* Associate Degree Program
*EARLY CHILDHOOD EDUCATION*

**PROGRAM DESCRIPTION**

The Early Childhood Education major includes core courses in child development and electives in other departments. The purposes include: 1) educating students in the development of the young child; 2) preparing candidates for Child Development Permits (awarded by the State Commission of Teacher Preparation and Licensing, Child Development Division); 3) providing a basis for further study (transfer) and preparation of teacher candidates; and 4) preparing students for work with children in a variety of community settings.

**CERTIFICATES OF ACHIEVEMENT**

The child development program offers courses leading to a Core Certificate which meets State of California minimum requirements to teach in preschool and childcare settings and several child development Program Certificates which are suggested for teaching positions in a variety of programs. These can reflect the student’s interest in specialized areas such as preschool teaching, infant/toddler development and curriculum, school-age child care and curriculum, special education and supervision and administration of children’s programs. Program Certificate course work assists students in meeting the State of California Child Development Permit requirements. The Child Development Permit is awarded by the State Commission of Teacher Preparation and Licensing and is required by teachers in such funded programs as Children’s Centers and Head Start programs.

**Associate in Science Degree: Early Childhood Education**

Courses required for the major:

- **ECE 110: Introduction to Early Childhood Education** .... 3.0
- **ECE 115: Curriculum Development & Classroom Management of Early Childhood Education Programs** .... 3.0
- **ECE 116A: Curriculum Development/Classroom Management** .... 1.0

**Lab A**

- ECE 120: Child Growth & Development .... 3.0
- ECE 125: Child, Family & Community .... 3.0
- ECE 175: Health Concerns and First Aid in Early Childhood .... 1.0
- Plus ten units from the following:
  - ECE 116B: Curriculum Development/Classroom Management .... 1.0

**Lab B**

- ECE 116C: Curriculum Development/Classroom Management .... 1.0

**Lab C**

- ECE 130: Infant/Toddler Development and Curriculum .... 3.0
- ECE 135: School Age Child Care Programs and Curriculum .... 3.0
- ECE 140: Recreational Leadership in School Age Child Care .... 3.0
- ECE 151: Art and Creativity for Young Children .... 2.0
- ECE 155: Science & Math for the Young Child .... 2.0
- ECE 156: Literature & Language Development for the Young Child .... 2.0
- ECE 160: Understanding & Education of Exceptional Children .... 3.0
- ECE 165: Teaching Children in a Diverse Community .... 3.0
- ECE 173: Childhood Nutrition .... 2.0
- ECE 198: Special Topics in Early Childhood Education .... 0.25 – 1.0
- ECE 201: Supervision and Administration of Children’s Programs .... 3.0
- ECE 202: Advanced Supervision and Administration of Children’s Programs .... 3.0
- ECE 220: Adult Supervision in Early Childhood Education: the Mentoring Process .... 2.0
- ECE 225: Mentor Teacher Seminar .... 0.5
- ECE 226: The Impact of Violence on Children .... 3.0
- ECE 227: Violence Intervention: Behavior Management Strategies .... 3.0

Total Units = 24.0
### Certificate of Achievement: Core Certificate

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<thead>
<tr>
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<th>Course Title</th>
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<tbody>
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<td>Introduction to Early Childhood Education</td>
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<td>ECE 115</td>
<td>Curriculum Development &amp; Classroom Management of Early Childhood Programs</td>
<td>3.0</td>
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<tr>
<td>ECE 116A</td>
<td>Curriculum Development/Classroom Management</td>
<td>1.0</td>
</tr>
<tr>
<td>ECE 120</td>
<td>Child Growth &amp; Development</td>
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<td>ECE 125</td>
<td>Child, Family &amp; Community</td>
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<td>ECE 175</td>
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**Total Units = 14.0**

### Certificate of Achievement: Preschool Emphasis

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<td>ECE 115</td>
<td>Curriculum Development &amp; Classroom Management of Early Childhood Programs</td>
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</tr>
<tr>
<td>ECE 116A</td>
<td>Curriculum Development/Classroom Management</td>
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<td>Curriculum Development/Classroom Management</td>
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<td>ECE 120</td>
<td>Child Growth &amp; Development</td>
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<tr>
<td>ECE 125</td>
<td>Child, Family &amp; Community</td>
<td>3.0</td>
</tr>
<tr>
<td>ECE 144</td>
<td>Music and Motor Development for the Young Child</td>
<td>2.0</td>
</tr>
<tr>
<td>ECE 151</td>
<td>Art and Creativity for Young Children</td>
<td>2.0</td>
</tr>
<tr>
<td>ECE 155</td>
<td>Science &amp; Math for the Young Child</td>
<td>2.0</td>
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<tr>
<td>ECE 156</td>
<td>Literature &amp; Language Development for the Young Child</td>
<td>2.0</td>
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<tr>
<td>ECE 173</td>
<td>Childhood Nutrition</td>
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<tr>
<td>ECE 175</td>
<td>Health Concerns and First Aid in Early Childhood</td>
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**Total Units = 26.0**

### Certificate of Achievement: Supervision & Administration of Children’s Programs Emphasis

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<td>Introduction to Early Childhood Education</td>
<td>3.0</td>
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<tr>
<td>ECE 115</td>
<td>Curriculum Development &amp; Classroom Management of Early Childhood Programs</td>
<td>3.0</td>
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<tr>
<td>ECE 116A</td>
<td>Curriculum Development/Classroom Management</td>
<td>1.0</td>
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<tr>
<td>ECE 116B</td>
<td>Curriculum Development/Classroom Management</td>
<td>1.0</td>
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<td>ECE 116C</td>
<td>Curriculum Development/Classroom Management</td>
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<tr>
<td>ECE 120</td>
<td>Child Growth &amp; Development</td>
<td>3.0</td>
</tr>
<tr>
<td>ECE 125</td>
<td>Child, Family &amp; Community</td>
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<tr>
<td>ECE 144</td>
<td>Music and Motor Development for the Young Child</td>
<td>2.0</td>
</tr>
<tr>
<td>ECE 151</td>
<td>Art and Creativity for Young Children</td>
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</tr>
<tr>
<td>ECE 155</td>
<td>Science &amp; Math for the Young Child</td>
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<td>ECE 156</td>
<td>Literature &amp; Language Development for the Young Child</td>
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<td>ECE 173</td>
<td>Childhood Nutrition</td>
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<td>ECE 175</td>
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<tr>
<td>ECE 202</td>
<td>Advanced Supervision and Administration of Children’s Programs</td>
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**Total Units = 32.0**

### Certificate of Achievement: Infant/Toddler Emphasis

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<td>Introduction to Early Childhood Education</td>
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<tr>
<td>ECE 115</td>
<td>Curriculum Development &amp; Classroom Management of Early Childhood Programs</td>
<td>3.0</td>
</tr>
<tr>
<td>ECE 116A</td>
<td>Curriculum Development/Classroom Management</td>
<td>1.0</td>
</tr>
<tr>
<td>ECE 120</td>
<td>Child Growth &amp; Development</td>
<td>3.0</td>
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<td>Child, Family &amp; Community</td>
<td>3.0</td>
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<tr>
<td>ECE 144</td>
<td>Music and Motor Development for the Young Child</td>
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</tr>
<tr>
<td>ECE 151</td>
<td>Art and Creativity for Young Children</td>
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<tr>
<td>ECE 155</td>
<td>Science &amp; Math for the Young Child</td>
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<tr>
<td>ECE 156</td>
<td>Literature &amp; Language Development for the Young Child</td>
<td>2.0</td>
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<td>ECE 173</td>
<td>Childhood Nutrition</td>
<td>2.0</td>
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<tr>
<td>ECE 175</td>
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**Total Units = 26.0**

* Associate Degree Program
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<td>ECE 116A</td>
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<td>ECE 116B</td>
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<td>ECE 116C</td>
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<tr>
<td>ECE 130</td>
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<tr>
<td>ECE 173</td>
<td>Childhood Nutrition</td>
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<td>ECE 175</td>
<td>Health Concerns and First Aid in Early Childhood</td>
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<td></td>
<td>Plus four units from one of the following groups:</td>
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<tr>
<td>ECE 144</td>
<td>Music and Motor Development for the Young Child</td>
<td>2.0</td>
</tr>
<tr>
<td>ECE 151</td>
<td>Art and Creativity for Young Children</td>
<td>2.0</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>ECE 155</td>
<td>Science &amp; Math for the Young Child</td>
<td>2.0</td>
</tr>
<tr>
<td>ECE 156</td>
<td>Literature &amp; Language Development for the Young</td>
<td>2.0</td>
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<tr>
<td></td>
<td>Child</td>
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**Certificate of Achievement: School Age Emphasis**

Courses:

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<tbody>
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<td>Introduction to Early Childhood Education</td>
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<tr>
<td>ECE 115</td>
<td>Curriculum Development &amp; Classroom Management of Early Childhood Education Programs</td>
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<td>ECE 116A</td>
<td>Curriculum Development/Classroom Management</td>
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<td></td>
<td>Lab A</td>
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<tr>
<td>ECE 116B</td>
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<td></td>
<td>Lab C</td>
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<td>ECE 120</td>
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<td>Child, Family &amp; Community</td>
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<td>ECE 130</td>
<td>Infant/Toddler Development and Curriculum</td>
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<td>ECE 144</td>
<td>Music and Motor Development for the Young Child</td>
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<tr>
<td>ECE 151</td>
<td>Art and Creativity for Young Children</td>
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</tr>
<tr>
<td></td>
<td>OR</td>
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</tr>
<tr>
<td>ECE 155</td>
<td>Science &amp; Math for the Young Child</td>
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<tr>
<td>ECE 156</td>
<td>Literature &amp; Language Development for the Young</td>
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**Certificate of Achievement: Special Education Emphasis**

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<td>Introduction to Early Childhood Education</td>
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<td>ECE 116A</td>
<td>Curriculum Development/Classroom Management</td>
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<td>Lab A</td>
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<td>ECE 116B</td>
<td>Curriculum Development/Classroom Management</td>
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<tr>
<td>ECE 151</td>
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<tr>
<td>ECE 155</td>
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**Certificate of Achievement: School Age Child Care Programs and Curriculum**

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<td>Recreational Leadership in School Age Child Care</td>
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<td>Health Concerns and First Aid in Early Childhood</td>
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<td>ECE 201</td>
<td>Supervision and Administration of Children’s Programs</td>
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**Total Units = 27.0**
MENTOR TEACHER
The Early Childhood Mentor Teacher Program links remuneration with better access to education and professional development opportunities. The program recruits teachers who have worked at least two years in the classroom or family day-care home and who have completed a supervised teaching course as part of their early childhood educational background. Candidates take CHLDEV 220, Adult Supervision in Early Childhood Education: the Mentoring Process, and upon completion of the course submit an application and self- evaluation of their classroom (using one of the Harmes & Clifford scales). A selection committee reviews all applications and evaluates the candidate’s classrooms. After selection as a mentor teacher, practicum students may elect placement in the mentor teacher’s classroom. Stipends are paid to mentor teachers.

FOSTER AND KINSHIP CARE EDUCATION
Foster and kinship care education addresses current child welfare issues and is coupled with ongoing classes in behavior management, attachment and separation, how fostering impacts the family, and working with birth families. A local advisory committee helps determine times, locations, and topics that will be offered. Certificates are given to participants who complete the classes. The classes are designed so that foster care providers can meet state and county training requirements.

ECONOMICS

PROGRAM DESCRIPTION
Economics is the social science that studies the production, consumption and distribution of goods and services. Economic study attempts to clarify how the use of natural, technical, and financial resources affects the lives of human beings. Economic concerns can range from how individuals make decisions, the roles of government and the Federal Reserve, to the complex world of international trade. Economic theories are examined and applied to the modern economic world. Topics of specialization include Macroeconomics, the overview of the U.S. economy; Microeconomics, how businesses make decisions; business statistics, using numbers for analysis, and U.S. economic history, the economic development of the U.S., and consumer economics, how consumers make choices.

Degree Requirements
An associate degree is not available in Economics since this is considered to be a transfer major. Students wishing the associate degree should major in General Education and include classes required by the transfer institution.

* Associate Degree Program
**PROGRAM DESCRIPTION**

The English Department provides a variety of courses that focus upon the development of language skills, and, as well, the study of literature. Language skills courses focus on specific problem areas where the student needs developmental work: reading, spelling, grammar (sentence skills), writing, study skills and listening/note taking. Composition and intermediate composition are important courses for transfer students who will face complex writing assignments at four-year institutions. The scope of the literature program includes British, American, Bible, and World Literature. The study of literature exposes students to a major source of cultural enrichment.

**Associate in Arts: English**

Courses required for the major:

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<td>ENGL 101H</td>
<td>Honors English Composition &amp; Literature</td>
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<td>ENGL 102</td>
<td>Intermediate Composition, Literature</td>
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<td>Critical Reading, Writing &amp; Thinking</td>
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<td>ENGL 250</td>
<td>British Literature I</td>
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<td>ENGL 251</td>
<td>British Literature II</td>
<td>3.0</td>
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<tr>
<td>ENGL 260</td>
<td>American Literature I</td>
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<td>ENGL 261</td>
<td>American Literature II</td>
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<td>Total Units</td>
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<td>48.0</td>
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* Associate Degree Program
ENGLISH AS A SECOND LANGUAGE

PROGRAM DESCRIPTION
The ESL program offers beginning, intermediate, and advanced level courses aimed at preparing students for college-level work. Two separate but interrelated tracks are offered: ESL 040 -105 is designed to develop the reading, writing, and grammar skills of students. ESL 071 - 081 focuses on building learners' listening and speaking skills.

Environmental Control
(See Water Systems Technology)
*FIRE TECHNOLOGY*

**PROGRAM DESCRIPTION**

The Fire Technology program is made up of courses conforming to the recommended Uniform Fire Technology Curriculum of the California Community College System. Students have the opportunity for skill development in a variety of classroom settings that include field trips, demonstrations, and scenarios focusing on practical applications of lessons learned.

The fire-service professional is a person who has completed a recognized Firefighter I Academy and is currently employed by an agency providing fire service protection. Examples of fire-service professionals may include volunteer firefighters, and full-time paid firefighters. Examples of fire-services agencies include city, county, state and federal agencies as well as some providers such as Warner Brothers Studio’s Fire Department.

**Associate Degree: Fire Technology – Pre-Service**

Courses required for the major:

- FIRETC 101 Fire Protection Organization  . . . . . . 3.0
- FIRETC 102 Fire Prevention Technology  . . . . . . . 3.0
- FIRETC 103 Fire Protection Equipment  
  & Systems  . . . . . . . . . . . . . . . . . . . . 3.0
- FIRETC 104 Building Construction for  
  Fire Protection  . . . . . . . . . . . . . . . . . 3.0
- FIRETC 105 Fire Behavior & Combustion  . . . . . . 3.0
- HLHSCI 151 Emergency Medical Technician I  . . . 7.5

Recommended Electives

- FIRETC 106 Fire Company Organization  
  & Procedures  . . . . . . . . . . . . . . . . . . . . 3.0
- FIRETC 107 Fire Apparatus & Equipment  . . . . . . 3.0
- FIRETC 108 Fire Hydraulics  . . . . . . . . . . . . . . . . . 3.0
- FIRETC 110 Wildland Fire Behavior  . . . . . . . . . . . 3.0
- FIRETC 123 Fire Investigation  . . . . . . . . . . . . . . . 3.0
- FIRETC 125 Firefighting Tactics &  
  Strategy  . . . . . . . . . . . . . . . . . . . . . 3.0

Total Units = 31.5

**Associate Degree: Fire Technology – In-Service**

Courses required for the major:

- FIRETC 102 Fire Prevention Technology  . . . . . . . 3.0
- FIRETC 103 Fire Protection Equipment  
  & Systems  . . . . . . . . . . . . . . . . . . . . 3.0
- FIRETC 104 Building Construction for  
  Fire Protection  . . . . . . . . . . . . . . . . . 3.0
- FIRETC 105 Fire Behavior & Combustion  . . . . . . 3.0
- FIRETC 107 Fire Apparatus & Equipment  . . . . . . 3.0
- FIRETC 108 Fire Hydraulics  . . . . . . . . . . . . . . . . . 3.0
- FIRETC 123 Fire Investigation  . . . . . . . . . . . . . . . 3.0
- FIRETC 125 Firefighting Tactics &  
  Strategy  . . . . . . . . . . . . . . . . . . . . . 3.0
- FIRETC 198 Firefighter Inservices  
  Training  . . . . . . . . . . . . . . . . . . . . . . . . . .0.25 – 4.0
- FIRETC 201 Incident Command  
  System 200  . . . . . . . . . . . . . . . . . . . . 3.0
- FIRETC 202 Incident Command  
  System 300  . . . . . . . . . . . . . . . . . . . . 3.0
- FIRETC 231A Fire Prevention Officer 1A  . . . . . . 3.0
- FIRETC 231B Fire Prevention Officer 1B  . . . . . . 3.0
- FIRETC 241A Fire Instructor 1A  . . . . . . . . . . . 3.0
- FIRETC 241B Fire Instructor 1B  . . . . . . . . . . . 3.0
The Department of Foreign Languages offers courses in French, German, and Spanish. Foreign-language studies provide the student with a foundation in written communication and comprehension skills of the language. From a vocational standpoint, the program provides skills useful in translation and interpretation, business, commerce and foreign language-based research.

Foreign-language studies include numerous opportunities for students to enhance language skills and intercultural awareness through activities such as conversation groups, cultural excursions, poetry reading, and foreign film festivals.

An Intensive Spanish Institute is offered through the Foreign Language Program. The institute offers a total immersion program in language instruction and cultural workshops, and it hosts numerous faculty lectures and performance related to Spain and Latin America. Students may earn up to 3.5 units of degree-applicable credit during the five-day program. The program is ideal for teachers who need a second language requirement, nurses and emergency services personnel, students who want an in-depth language and cultural experience, and community members interested in Spanish language and culture.

**Degree Requirements**

The major requirements for an associate degree in foreign languages may be met by completing 18 course units from the foreign-language curriculum.

**Associate in Arts: French**

Select 18 units from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRNCH 101</td>
<td>Elementary French I</td>
<td>4.0</td>
</tr>
<tr>
<td>FRNCH 102</td>
<td>Elementary French II</td>
<td>4.0</td>
</tr>
<tr>
<td>FRNCH 150</td>
<td>Beginning Conversational</td>
<td></td>
</tr>
<tr>
<td></td>
<td>French</td>
<td>3.0</td>
</tr>
<tr>
<td>FRNCH 201</td>
<td>Intermediate French I</td>
<td>4.0</td>
</tr>
<tr>
<td>FRNCH 202</td>
<td>Intermediate French II</td>
<td>4.0</td>
</tr>
</tbody>
</table>

**Total Units = 18.0**
### Associate in Arts: Spanish

Select 18 units from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 102</td>
<td>Elementary Spanish II</td>
<td>4.0</td>
</tr>
<tr>
<td>SPAN 102A</td>
<td>Spanish for Spanish Speakers II</td>
<td>4.0</td>
</tr>
<tr>
<td>SPAN 150</td>
<td>Conversational Spanish</td>
<td>3.0</td>
</tr>
<tr>
<td>SPAN 201</td>
<td>Intermediate Spanish I</td>
<td>4.0</td>
</tr>
<tr>
<td>SPAN 202</td>
<td>Intermediate Spanish II</td>
<td>4.0</td>
</tr>
</tbody>
</table>

Plus three units from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 198</td>
<td>Special Topics in Spanish Language, Literature</td>
<td>1.0 – 3.0</td>
</tr>
<tr>
<td>SPAN 240</td>
<td>Latin American Literature</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Total Units = 18.0

---

### French

(See Foreign Languages)

---

### GEOGRAPHY

**PROGRAM DESCRIPTION**

Geography is a vast discipline and a science that describes and explains all of the earth's surface physical and cultural phenomena and whatever affects the earth's surface phenomena i.e., sun's rays, moon's gravity, etc; the study and understanding of much of the natural and cultural setting of humankind.

The geography/geology programs provide a strong foundation in physical sciences. Students will be introduced to the fundamentals of physical and cultural geography, and physical and historical geology. The emphasis is on the geologic processes that produced the features of the earth's crust and the studies in California geology, national parks, minerals, fossils, and rocks.

Courses that provide a foundation in Geography include Physical Geography 101 (earth's natural environmental setting) and Cultural Geography 102 (key cultures of the world), with continuing emphasis on either additional environmental courses (Geology, etc.), or additional related Social Science courses (History, Latin America Studies, etc.)

**Degree Requirements**

An associate degree is not available in Geography since this is considered to be a transfer major.

Students wishing the associate degree should major in General Education and include classes required by the transfer institution.
GEOLOGY

PROGRAM DESCRIPTION
Geology is a science that explains the origin, evolution and continuing existence of the earth’s crust, crustal materials (minerals, rocks, fossils, petroleum, etc.) and landforms of the crust (volcanoes, faults, mountains, etc.) It includes the study of three major geologic processes: igneous (volcanic, granite, etc.), sedimentary (moving water, ice and wind), and deformation (folding, faulting, mountain-making, etc.), which almost totally influence the crust and provide the foundation and environment for all living and non-living phenomena.

Through introduction to the fundamentals of physical and historical geology, with emphasis on geologic processes that produce the features of the earth’s crust and studies in California geology, national parks, minerals, fossils and rocks, the geology program provides a strong foundation for students wishing to transfer to the CSU or US systems.

Degree Requirements
An associate degree is not available in Geology since this is considered to be a transfer major. Students wishing the associate degree should major in Biological and Physical Science or General Education and include classes required by the transfer institution.

Health Sciences
(See Nursing)

HISTORY

PROGRAM DESCRIPTION
In a broad sense, history is the study and record of all human experience. It examines people, institutions, ideas and events through the past, develops cultural literacy, critical thinking and other useful skills while helping to plan for the future. By having knowledge of the origins and people of the past we are able to obtain a better understanding of ourselves as individuals and as a society.

History provides a solid fundamental preparation for careers in business, industry, government and education. It also serves as preparation for law school, foreign service, international work, urban affairs and library science.

Associate in Arts: History

Courses required for the major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 101</td>
<td>Western Civilization: Pre-Industrial West</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST 102</td>
<td>Western Civilization: The Modern Era</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST 111</td>
<td>United States History I</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST 112</td>
<td>United States History II</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Plus three units from

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 191</td>
<td>History Eastern Civilization I</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST 192</td>
<td>History Eastern Civilization II</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST 240</td>
<td>Latin American Civilization</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Plus three units from

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 120</td>
<td>The Role of Women in the History of the United States</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST 161</td>
<td>World History I</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST 170</td>
<td>Economic History of the United States</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST 191</td>
<td>History Eastern Civilization I</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST 192</td>
<td>History Eastern Civilization II</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST 210</td>
<td>History of California</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST 230</td>
<td>History of American Indians</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST 240</td>
<td>Latin American Civilization</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST 241</td>
<td>History of Early Latin America</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST 242</td>
<td>History of Modern Latin America</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST 243</td>
<td>History of Mexico and the Mexican and Chicano Peoples</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST 245</td>
<td>History of the Americas</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Total Units = 18.0

* Associate Degree Program
*HOTEL AND RESTAURANT MANAGEMENT

PROGRAM DESCRIPTION

The hotel and restaurant management curriculum has been developed with input from hospitality professionals who have designed course offerings that focus on the dynamics changing this fast-paced industry. The primary mission of the curriculum is to provide students with the knowledge and skills necessary to begin and develop a career in the hospitality industry.

Students will take general-education coursework combined with a core of hotel courses that identify the economic, legal, and social forces that shape the hospitality industry. Problem-solving scenarios that reflect the challenges typical among hospitality professionals are highlighted with an emphasis on preparing the skills needed for hospitality management.

Associate in Science: Hotel and Restaurant Management

The Associate in Science degree designation in Hotel and Restaurant Management provides a broad based fundamental approach to the managerial functions in both the hotel and restaurant industry. The combined designation adds accounting requirements to either the restaurant or the hotel management program offerings.

Courses required for the major:

HRMGT 101  Introduction to the Leisure Industry ................. 3.0
HRMGT 225  Food Service Sanitation & Safety ....................... 3.0
HRMGT 245  Hotel & Restaurant Supervision & Guest Relations .......... 3.0
HRMGT 275  Hospitality Industry Accounting ................... 3.0
HRMGT 210  Hotel & Restaurant Law ....................... 3.0
BUS 201  Principles of Accounting I .......................... 5.0

Plus 3 units from the following:

HRMGT 299  Hotel & Restaurant Management Internship .......... 1.0 – 3.0
HRMGT 235  Hotel & Restaurant Sales & Marketing ................. 3.0

Total Units = 18.0

Associate in Science: Restaurant Management

Courses required for the major:

HRMGT 101  Introduction to the Leisure Industry ................. 3.0
HRMGT 210  Hotel & Restaurant Law ....................... 3.0
HRMGT 225  Food Service Sanitation & Safety ....................... 3.0
HRMGT 245  Hotel & Restaurant Supervision & Guest Relations .......... 3.0

Plus six units from the following:

HRMGT 121  Foods & Nutrition in the Restaurant Industry ................. 3.0
HRMGT 220  Restaurant Operations ....................... 3.0
HRMGT 226  Food and Wine ....................... 3.0

Total Units = 18.0

*Associate Degree Program
*INTERIOR DESIGN

PROGRAM DESCRIPTION
The program's goals are to prepare graduates for employment in the current job market and/or fulfill transfer requirements to a four-year institution where courses fulfill the lower division requirements of a specific major or serve as electives. An important element of the program is to offer professional-level curriculum that provides graduates with the motility to perform in a variety of occupations as industry demands change and economic conditions fluctuate. Additionally, the comprehensive curriculum follows FIDER standards to meet the functional and aesthetic needs pertaining to clients and the interior environments.

Associate in Science and Certificate of Achievement: Interior Design

Courses required for the major and certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID 091</td>
<td>Art Accessories, and Interior Design</td>
<td>1.0</td>
</tr>
<tr>
<td>ID 092</td>
<td>Merchandising for Interior Design</td>
<td>1.0</td>
</tr>
<tr>
<td>ID 100</td>
<td>Careers in Interior Design</td>
<td>2.0</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DAT 101</td>
<td>Survey of Design Arts</td>
<td>3.0</td>
</tr>
<tr>
<td>ID 101</td>
<td>Introduction to Interior Design</td>
<td>3.0</td>
</tr>
<tr>
<td>ID 102</td>
<td>Applied Color for Designers</td>
<td>3.0</td>
</tr>
<tr>
<td>ID 104</td>
<td>Rapid Visualization &amp; Illustration</td>
<td>3.0</td>
</tr>
<tr>
<td>ID 113</td>
<td>Interior Materials &amp; Products</td>
<td>3.0</td>
</tr>
<tr>
<td>ID 114</td>
<td>History of Architecture and Furnishings I</td>
<td>3.0</td>
</tr>
<tr>
<td>ID 115</td>
<td>History of Architecture and Furnishings II</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 163</td>
<td>Architectural Drafting I</td>
<td>3.0</td>
</tr>
<tr>
<td>ID 212</td>
<td>Space Planning</td>
<td>3.0</td>
</tr>
<tr>
<td>ID 217</td>
<td>Advanced Interior Design Studio</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 264</td>
<td>AutoCAD for Architecture &amp; Interior Design</td>
<td>3.0</td>
</tr>
<tr>
<td>ID 295</td>
<td>Professional Practices</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Total Units = 36.0

*INDUSTRIAL TECHNOLOGIES

PROGRAM DESCRIPTION
Students whose occupational goals cross over more than one vocational program may establish an Industrial Technologies Major by accumulating 18 semester units of vocational classes drawn from the following programs:

1. Business Management
2. Computer Information Technology
3. Computer Networking
4. Computer Science
5. Drafting
6. Computer Electronics
7. Hotel and Restaurant Management
8. Mechanical Technology
9. Quality Control
10. Real Estate
11. Transportation
12. Welding
*JOURNALISM

PROGRAM DESCRIPTION

This program provides an introduction to journalism and mass media for students interested in careers requiring journalistic training such as newspaper or magazine reporting and production or freelance writing. Courses cover a range of topics including theory of mass communication, news writing, photojournalism, reporting, media and journalistic ethics, media advertising, and newspaper design and layout. Advanced courses allow students to participate in journalistic production as a member of the staff of the College of the Canyons newspaper, the Canyon Call.

Associate in Science Degree: Journalism

Courses required for the major:

Any 18 units in Journalism. Can also include PHOTO 160, CIT 166, PUBREL 125.

Certificate of Achievement: Journalism

Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOURN 100</td>
<td>Media &amp; Society</td>
<td>3.0</td>
</tr>
<tr>
<td>JOURN 105</td>
<td>News Writing</td>
<td>3.0</td>
</tr>
<tr>
<td>JOURN 110</td>
<td>Article Writing</td>
<td>3.0</td>
</tr>
<tr>
<td>JOURN 205</td>
<td>Advanced News Reporting &amp; Production</td>
<td>3.0</td>
</tr>
<tr>
<td>JOURN 210</td>
<td>Newspaper &amp; Magazine Production Staff</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 160</td>
<td>Black and White Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 165</td>
<td>Digital Photography I</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 260</td>
<td>Photojournalism</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Total Units = 21.0

PHOTOJOURNALISM - A.S. DEGREE/CERTIFICATE OF ACHIEVEMENT REQUIREMENTS

APPROVAL PENDING: The degree program is being offered on a provisional basis only, pending State Chancellor’s Office approval. Students are advised that there is no guarantee of a program degree until the appropriate approval is received. Please consult the photography department for more information.

The Associate degree and certificate programs prepare students for entry-level positions in the field of photojournalism such as a newspaper or documentary photography.

Courses required for the major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOURN 100</td>
<td>Media &amp; Society</td>
<td>3.0</td>
</tr>
<tr>
<td>JOURN 105</td>
<td>News Writing</td>
<td>3.0</td>
</tr>
<tr>
<td>JOURN 210</td>
<td>Newspaper &amp; Magazine Production Staff</td>
<td>3.0</td>
</tr>
<tr>
<td>JOURN 215</td>
<td>Editorial Workshop</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 160</td>
<td>Black and White Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 165</td>
<td>Digital Photography I</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 260</td>
<td>Photojournalism</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Total Units = 21.0
*LIBRARY/MEDIA TECHNOLOGY*

**PROGRAM DESCRIPTION**

The Library/Media Technology program is designed to prepare individuals for employment as paraprofessionals in a public school, academic, or special library/media center, or in any setting where they may be responsible for the acquisition, organization and retrieval of information. The role of automation and new technologies in accessing information, and acquiring the skills needed to work with people from a variety of backgrounds are important elements throughout the program. Courses in the program provide training in all phases of library/media work, background knowledge of the types of libraries and media centers and their services, and actual work experience. Students completing the program will have a solid foundation to start a career in the library, media, or information world, or to advance their careers in the field.

**Certificate of Achievement: Library/Media Technology**

<table>
<thead>
<tr>
<th>Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>LMTECH 101 Introduction to Library Services</td>
<td>1.0</td>
</tr>
<tr>
<td>LMTECH 102 Reference Skills &amp; Services</td>
<td>1.0</td>
</tr>
<tr>
<td>LMTECH 103 Library Circulation Systems</td>
<td>1.0</td>
</tr>
<tr>
<td>LMTECH 104 Cataloging and Technical Services</td>
<td>3.0</td>
</tr>
<tr>
<td>LMTECH 106 Library Collections: Print</td>
<td>1.0</td>
</tr>
<tr>
<td>LMTECH 107 Library Collections: Non-Print</td>
<td>1.0</td>
</tr>
<tr>
<td>LMTECH 108 Av Equipment Operation</td>
<td>1.0</td>
</tr>
<tr>
<td>LMTECH 110 Library/Media Center Internship</td>
<td>2.0</td>
</tr>
<tr>
<td>LMTECH 114 Media Supervisory Skills</td>
<td>1.0</td>
</tr>
<tr>
<td>LMTECH 115 Internet in Libraries</td>
<td>1.0</td>
</tr>
<tr>
<td>CIT 140 Microsoft Office</td>
<td>3.0</td>
</tr>
<tr>
<td>COMS 256 Intercultural Communication</td>
<td>3.0</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>SOCI 105 Multiculturalism in the United States</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total Units = 19.0**

**Associate in Arts: Library/Media Technology**

<table>
<thead>
<tr>
<th>Courses required for the major:</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>LMTECH 101 Introduction to Library Services</td>
<td>1.0</td>
</tr>
<tr>
<td>LMTECH 102 Reference Skills &amp; Services</td>
<td>1.0</td>
</tr>
<tr>
<td>LMTECH 103 Library Circulation Systems</td>
<td>1.0</td>
</tr>
<tr>
<td>LMTECH 104 Cataloging and Technical Services</td>
<td>3.0</td>
</tr>
<tr>
<td>LMTECH 106 Library Collections: Print</td>
<td>1.0</td>
</tr>
<tr>
<td>LMTECH 107 Library Collections: Non-Print</td>
<td>1.0</td>
</tr>
<tr>
<td>LMTECH 108 Av Equipment Operation</td>
<td>1.0</td>
</tr>
<tr>
<td>LMTECH 110 Library/Media Center Internship</td>
<td>2.0</td>
</tr>
<tr>
<td>LMTECH 114 Media Supervisory Skills</td>
<td>1.0</td>
</tr>
<tr>
<td>LMTECH 115 Internet in Libraries</td>
<td>1.0</td>
</tr>
<tr>
<td>CIT 140 Microsoft Office</td>
<td>3.0</td>
</tr>
<tr>
<td>COMS 256 Intercultural Communication</td>
<td>3.0</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>SOCI 105 Multiculturalism in the United States</td>
<td>3.0</td>
</tr>
<tr>
<td>LMTECH 112 School Library/Media Center Services</td>
<td>1.0</td>
</tr>
<tr>
<td>CIT 010 Exploring Computers-Brief</td>
<td>1.5</td>
</tr>
<tr>
<td>CIT 150 Microsoft Word I</td>
<td>3.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIT 166 Desktop Publishing</td>
<td>3.0</td>
</tr>
<tr>
<td>CIT 170 Web Site Development I</td>
<td>3.0</td>
</tr>
<tr>
<td>ENGL 101 English Composition &amp; Literature</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total Units = 19.0**

* Associate Degree Program.
### *Manufacturing Technology*

**Program Description**
Manufacturing Technology is an occupational program designed to prepare students for a variety of entry-level positions in a manufacturing environment. These positions may include manual machine operator, computer numerical control operator, CAD/CAM designer, or programmer. Classes are designed for first-time college students, re-entry students, and current industry employees requiring skill enhancement or upgrade training. In support of computerized skill requirements the Manufacturing Technology program is constantly changing. A degree in Manufacturing Technology is structured to encourage transfer to a comparable program at a four-year college or university.

**Associate in Science and Certificate of Achievement: Manufacturing Technology**

Courses required for the major and certificate:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFGT 100</td>
<td>Measurements and Computations</td>
<td>3.0</td>
</tr>
<tr>
<td>MFGT 101</td>
<td>Materials &amp; Processes in Manufacturing</td>
<td>3.0</td>
</tr>
<tr>
<td>MFGT 102</td>
<td>Engineering Drawing Interpretation</td>
<td>3.0</td>
</tr>
<tr>
<td>MFGT 103</td>
<td>Introduction to Automated Manufacturing</td>
<td>3.0</td>
</tr>
<tr>
<td>MFGT 121</td>
<td>CNC 1: Operation and Manual Programming</td>
<td>3.0</td>
</tr>
<tr>
<td>MFGT 122</td>
<td>CNC 2: Concepts &amp; Programming</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 150</td>
<td>Introduction to Mechanical Drafting and AutoCAD</td>
<td>3.0</td>
</tr>
<tr>
<td>MFGT 131</td>
<td>CAD/CAM I</td>
<td>3.0</td>
</tr>
<tr>
<td>MFGT 132</td>
<td>CAD/CAM 2</td>
<td>3.0</td>
</tr>
<tr>
<td>MFGT 141</td>
<td>CATIA I</td>
<td>3.0</td>
</tr>
<tr>
<td>MFGT 142</td>
<td>CATIA II</td>
<td>3.0</td>
</tr>
<tr>
<td>MFGT 143</td>
<td>CATIA III</td>
<td>3.0</td>
</tr>
<tr>
<td>CWEXP 188</td>
<td>Cooperative Work Experience: MFGT</td>
<td>1.0 – 4.0</td>
</tr>
</tbody>
</table>

Total Units = 24.0

### *Mathematics*

**Program Description**

The mathematics program provides curriculum from basic arithmetic to algebra, statistics, linear algebra, calculus, and differential equations.

The mathematics courses fulfill breadth requirements, associate degree requirements and transfer major requirements for degrees in mathematics, physics, chemistry and engineering.

Many B.A/B.S- levels careers require extensive background in mathematics. Virtually all two-year career programs in business or technology fields require a solid foundation in mathematics. Samples of these career options are computer programmer, financial analyst, statistician, systems analyst, urban planner, and teacher.

**Associate in Arts: Mathematics**

Courses required for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 211</td>
<td>Calculus I</td>
<td>5.0</td>
</tr>
<tr>
<td>MATH 212</td>
<td>Calculus II</td>
<td>5.0</td>
</tr>
<tr>
<td>MATH 070</td>
<td>Intermediate Algebra</td>
<td>5.0</td>
</tr>
<tr>
<td>MATH 102</td>
<td>Trigonometry</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 103</td>
<td>College Algebra</td>
<td>4.0</td>
</tr>
<tr>
<td>MATH 213</td>
<td>Calculus II</td>
<td>5.0</td>
</tr>
<tr>
<td>MATH 214</td>
<td>Linear Algebra</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 215</td>
<td>Differential Equations</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Total Units = 18.0

* Associate Degree Program
PROGRAM DESCRIPTION

Through courses in music composition, applied music, electronic music, theory, keyboard, jazz improvisation, voice and musicianship, the music program provides a strong foundation for students wishing to continue their education at any four-year college as well as professionals looking to expand their musical concepts and skills. Besides offering a transferable curriculum that permits our students to maximize the opportunities for admission into the UC and the CSU systems, a comprehensive articulation agreement exists with the California Institute of the Arts (CalArts) that is designed to facilitate the process of acceptance for all college music majors wishing to pursue their studies at that institution. The Symphony of the Canyons, the Jazz Ensemble, various choirs and youth orchestras, offer students the environment to cultivate their performance skills while enhancing the cultural life of the Santa Clarita Valley through participation in concerts and special events on or off the college’s campus.

Students of any age can enroll in music courses scheduled during the afternoon hours. These courses are designed for junior and senior high school students wishing to advance towards the fulfillment of four-year university requirements for a bachelor’s degree in music. A concurrent-enrollment form, available at the school attended by the applicant, will be requested by the College of the Canyons Admissions and Records Office.

The major requirement for an associate degree in music can be met by completing a minimum of 18 units, which include 14 units from the core curriculum and a minimum of four units from any one area of specialty. In addition, it is recommended for performance majors to take private instruction with the goal of becoming proficient on a string, woodwind, brass or percussion instrument and to ensure satisfactory placement following entrance examinations at four-year institutions.

Associate in Arts: Music-Composition Option

Courses required for the major:
Select 14 units from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSIC 101</td>
<td>Musicianship Skills I</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 102</td>
<td>Musicianship Skills II</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 103</td>
<td>Musicianship Skills III</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 104</td>
<td>Musicianship Skills IV</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 120</td>
<td>Tonal Harmony</td>
<td>3.0</td>
</tr>
<tr>
<td>MUSIC 121</td>
<td>Chromatic Harmony</td>
<td>3.0</td>
</tr>
<tr>
<td>MUSIC 122</td>
<td>Tonal Counterpoint</td>
<td>3.0</td>
</tr>
<tr>
<td>MUSIC 123</td>
<td>Modal Counterpoint</td>
<td>3.0</td>
</tr>
<tr>
<td>MUSIC 131</td>
<td>Keyboard Instruction I</td>
<td>2.0</td>
</tr>
<tr>
<td>MUSIC 132</td>
<td>Keyboard Instruction I</td>
<td>2.0</td>
</tr>
<tr>
<td>MUSIC 174</td>
<td>College Chorus</td>
<td>1.0</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUSIC 175</td>
<td>Festival Choir: Voices</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td>of the Canyons</td>
<td></td>
</tr>
</tbody>
</table>

Plus four units from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSIC 125</td>
<td>Studies in Music Composition</td>
<td>4.0</td>
</tr>
<tr>
<td>MUSIC 127</td>
<td>Orchestration I</td>
<td>3.0</td>
</tr>
<tr>
<td>MUSIC 128</td>
<td>Orchestration II</td>
<td>3.0</td>
</tr>
<tr>
<td>MUSIC 129</td>
<td>Music Production for Film &amp; Television</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Total Units = 18.0

Associate in Arts: Music-Performance/Guitar Option

Courses required for the major:

Select 14 units from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSIC 101</td>
<td>Musicianship Skills I</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 102</td>
<td>Musicianship Skills II</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 103</td>
<td>Musicianship Skills III</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 104</td>
<td>Musicianship Skills IV</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 120</td>
<td>Tonal Harmony</td>
<td>3.0</td>
</tr>
<tr>
<td>MUSIC 121</td>
<td>Chromatic Harmony</td>
<td>3.0</td>
</tr>
<tr>
<td>MUSIC 122</td>
<td>Tonal Counterpoint</td>
<td>3.0</td>
</tr>
<tr>
<td>MUSIC 123</td>
<td>Modal Counterpoint</td>
<td>3.0</td>
</tr>
<tr>
<td>MUSIC 131</td>
<td>Keyboard Instruction I</td>
<td>2.0</td>
</tr>
<tr>
<td>MUSIC 132</td>
<td>Keyboard Instruction I</td>
<td>2.0</td>
</tr>
<tr>
<td>MUSIC 174</td>
<td>College Chorus</td>
<td>1.0</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUSIC 175</td>
<td>Festival Choir: Voices</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td>of the Canyons</td>
<td></td>
</tr>
</tbody>
</table>

Plus four units from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSIC 126</td>
<td>Pop Jazz Theory</td>
<td>3.0</td>
</tr>
</tbody>
</table>

* Associate Degree Program
### Degree Curricula and Certificate Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSIC 160</td>
<td>Guitar Studies II</td>
<td>2.0</td>
</tr>
<tr>
<td>MUSIC 161</td>
<td>Guitar Studies II</td>
<td>2.0</td>
</tr>
<tr>
<td>MUSIC 167</td>
<td>Jazz Guitar Studies I</td>
<td>2.0</td>
</tr>
<tr>
<td>MUSIC 168</td>
<td>Jazz Guitar Studies II</td>
<td>2.0</td>
</tr>
<tr>
<td>MUSIC 169</td>
<td>Improvisation for Guitarists</td>
<td>2.0</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units = 18.0</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Associate in Arts: Music-Performance/Jazz Option**

Courses required for the major:

Select 14 units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSIC 101</td>
<td>Musicianship Skills I</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 102</td>
<td>Musicianship Skills II</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 103</td>
<td>Musicianship Skills III</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 104</td>
<td>Musicianship Skills IV</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 120</td>
<td>Tonal Harmony</td>
<td>3.0</td>
</tr>
<tr>
<td>MUSIC 121</td>
<td>Chromatic Harmony</td>
<td>3.0</td>
</tr>
<tr>
<td>MUSIC 122</td>
<td>Tonal Counterpoint</td>
<td>3.0</td>
</tr>
<tr>
<td>MUSIC 123</td>
<td>Modal Counterpoint</td>
<td>3.0</td>
</tr>
<tr>
<td>MUSIC 131</td>
<td>Keyboard Instruction I</td>
<td>2.0</td>
</tr>
<tr>
<td>MUSIC 132</td>
<td>Keyboard Instruction I</td>
<td>2.0</td>
</tr>
<tr>
<td>MUSIC 174</td>
<td>College Chorus</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>MUSIC 175</td>
<td>Festival Choir: Voices of the Canyons</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td><strong>Plus four units from the following:</strong></td>
<td></td>
</tr>
<tr>
<td>MUSIC 151</td>
<td>Jazz Improvisation</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 153</td>
<td>Studio Jazz Ensemble</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td><strong>May be taken four times</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Units = 18.0</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Associate in Arts: Music-Performance/Concert Option**

Select 14 units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSIC 101</td>
<td>Musicianship Skills I</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 102</td>
<td>Musicianship Skills II</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 103</td>
<td>Musicianship Skills III</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 104</td>
<td>Musicianship Skills IV</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 120</td>
<td>Tonal Harmony</td>
<td>3.0</td>
</tr>
<tr>
<td>MUSIC 121</td>
<td>Chromatic Harmony</td>
<td>3.0</td>
</tr>
<tr>
<td>MUSIC 122</td>
<td>Tonal Counterpoint</td>
<td>3.0</td>
</tr>
<tr>
<td>MUSIC 123</td>
<td>Modal Counterpoint</td>
<td>3.0</td>
</tr>
<tr>
<td>MUSIC 131</td>
<td>Keyboard Instruction I</td>
<td>2.0</td>
</tr>
<tr>
<td>MUSIC 132</td>
<td>Keyboard Instruction I</td>
<td>2.0</td>
</tr>
<tr>
<td>MUSIC 174</td>
<td>College Chorus</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>MUSIC 175</td>
<td>Festival Choir: Voices of the Canyons</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td><strong>Plus four units from the following:</strong></td>
<td></td>
</tr>
<tr>
<td>MUSIC 140</td>
<td>Studio Singing</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 141</td>
<td>Voice Development</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 175</td>
<td>Festival Choir: Voices of the Canyons</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 176</td>
<td>Chamber Singers</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC 177</td>
<td>Les Chanteuses: Women's Choir</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units = 18.0</strong></td>
<td></td>
</tr>
</tbody>
</table>

* Associate Degree Program

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Santa Clarita Community College District
PROGRAM DESCRIPTION

Nursing science is an art and science incorporating knowledge from behavioral, biological and physical sciences. It has a holistic concept of health in which the physical, emotional, psychological, intellectual, social and spiritual aspects of human functioning are interrelated, interdependent and of equal importance.

Offered are an associate degree in nursing (registered nursing) program, vocational nursing program, nurse assistant course, home health aide course, medical assisting courses and post-graduate nursing specialty courses.

The nursing program and the home health-aide courses all have clinical components in which the student cares for clients in the acute-care setting, sub-acute setting and home setting. The nurse-assistant course has a clinical component in which the student cares for residents in a long-term care facility. The medical office assistance course has a laboratory component during which the students practice their skills.

All of the nursing science programs prepare the student for an entry-level position in the health-care setting. The RN student may move directly into the position of a beginning staff nurse, and the VN student may move into the role of beginning staff LVN. The nurse assistant home health aide and medical assistant students may all move into a staff position after completion of a program. The RN, LVN, and nurse assistant students must take a state examination before they may practice. The program will prepare them for these tests.

Health Sciences

Allied Health is the study of issues and procedures involved in educating students for a career in a health-related field. The Allied Health Division offers a basic emergency medical technician course, a course on health-care based nutrition and a course on basic medical terminology.

The Emergency Medical Technician course prepares students to assist in the transport of patients and to be a member of the health-care team in the emergency room. The student receives experiences in the emergency room and on the ambulance. The nutrition and medical terminology courses provide an introduction to the health-care field and a beginning knowledge base for other health-care programs.

Associate in Science: Nursing–Registered Nursing

Courses required for the major:

- NURSNG 101 Fundamentals of Nursing – A: 4.0
- NURSNG 101B Fundamentals of Nursing – B: 0.5
- NURSNG 101BL Fundamentals of Nursing – B: Lab 1.0
- NURSNG 102 Beginning Medical-Surgical Nursing 2.5
- NURSNG 102L Beginning Medical-Surgical Nursing Lab 1.5
- NURSNG 106 Maternal - Newborn/Pediatric Nursing 3.0
- NURSNG 106L Maternal - Newborn/Pediatric Nursing Lab 2.5
- NURSNG 200 Psychiatric Nursing 2.5
- NURSNG 200L Psychiatric Nursing Lab 2.0
- NURSNG 202 Intermediate Medical-Surgical Nursing 3.0
- NURSNG 202L Intermediate Medical-Surgical Nursing Lab 2.0
- NURSNG 204 Advanced Medical-Surgical Nursing 5.5
- NURSNG 204L Advanced Medical-Surgical Nursing Lab 4.5
- BIOSCI 204 Human Anatomy/ Physiology I 4.0
- BIOSCI 205 Human Anatomy & Physiology II 4.0
- BIOSCI 250 Human Anatomy & Physiology 8.0
- BIOSCI 221 Introduction to Microbiology 5.0
- PSYCH 101 Introduction to Psychology 3.0
- COMS 105 Speech Fundamentals 3.0
- COMS 223 Small Group Communication 3.0
Degree Curricula and Certificate Programs

ENGL 090  Writing Skills .................. 3.0
OR
ENGL 101  English Composition &
Literature  .................. 3.0

Total Units = 61.0

Certificate of Achievement: Medical Assistant

Courses:
NURSNG 052  Introduction to Medical
Assisting  .................. 3.0
NURSNG 053  Beginning Medical Assisting  .... 3.0
NURSNG 054  Intermediate Medical Assisting  ... 3.0
NURSNG 055  Advanced Medical Assisting  ...... 3.0
CIT 010  Exploring Computers-Brief  .... 1.5
CIT 130  Medical Office Procedures  .... 3.0
CIT 132  Medical Office Finances  .... 3.0

Total Units = 19.5

Associate in Science and Certificate of
Achievement: Vocational Nursing

Courses:
VOCNSG 100  Nursing Fundamentals I  .... 5.0
VOCNSG 101  Nursing Fundamentals II  .... 5.0
VOCNSG 102  Pharmacology  ................ 3.0
VOCNSG 103  Medical-Surgical Nursing I  .... 8.0
VOCNSG 104  Medical-Surgical Nursing II  .... 6.0
VOCNSG 105  Medical-Surgical Nursing III  .... 11.0
VOCNSG 106  Maternal-Newborn/Pediatric
Nursing  .................. 6.0
VOCNSG 107  Medical-Surgical IV  .......... 5.0
BIOSCI 204  Human Anatomy/Physiology I  .... 4.0
BIOSCI 205  Human Anatomy &
Physiology II  .................. 4.0
OR
BIOSCI 250  Human Anatomy &
Physiology  .................. 8.0

Total Units = 57.0

Associate in Science and Certificate of
Achievement: Vocational To Registered Nursing

Courses required for the major and certificate:
NURSNG 103  LVN to RN Bridge Class  .... 1.5
NURSNG 200  Psychiatric Nursing  .......... 2.5
NURSNG 200L  Psychiatric Nursing Lab  .... 2.0
NURSNG 202L  Intermediate Medical-
Surgical Nursing  .......... 3.0
NURSNG 202L  Intermediate Medical-
Surgical Lab  .... 2.0
NURSNG 204  Advanced Medical-
Surgical Nursing  .... 5.5
NURSNG 204L  Advanced Medical-
Surgical Nursing Lab  .... 4.5
BIOSCI 204  Human Anatomy/Physiology I  .... 4.0
BIOSCI 205  Human Anatomy &
Physiology II  .................. 4.0
OR
BIOSCI 250  Human Anatomy & Physiology  .... 8.0
BIOSCI 221  Introduction to Microbiology  .... 5.0
PSYCH 101  Introduction to Psychology  .... 3.0
COMS 105  Speech Fundamentals  .......... 3.0
OR
COMS 223  Small Group Communication  .... 3.0
ENGL 090  Writing Skills  .......... 3.0
OR
ENGL 101  English Composition &
Literature  .................. 3.0

Total Units = 43.0

GENERAL INFORMATION
Accrediting Boards for Registered Nursing and
LVN-RN Career Ladder

National League for Nursing Accrediting
Commission (NLNAC)
61 Broadway
New York, NY 10006
(800) 669-1656
(212) 363-5555

Board of Registered Nursing (BRN)
1170 Durfee Avenue, Suite G
South El Monte, CA 91733-4400
(626) 575-7080
(626) 575-7090 FAX

Board of Registered Nursing (BRN)
P.O. Box 944210
Sacramento, CA 94244-2100
(916) 322-3350

Accrediting Board for Vocational Nursing
Board of Vocational Nursing and Psychiatric
Technicians
2535 Capitol Oaks Drive, Suite 205
Sacramento, CA 95833-2919

* Associate Degree Program
B.S.N. INFORMATION
The Counseling Department will assist students who are interested in continuing their nursing science education at a four-year college by identifying transferable courses. The office has information sheets for transfer to the CSUN RN-BSN program or the UCLAADN-MSN program.

For CSUN transfer, the following lower-division courses are required:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 110</td>
<td>Introductory Chemistry</td>
<td>4.0</td>
</tr>
<tr>
<td>OR</td>
<td>CHEM 151 Prep General Chemistry</td>
<td>4.0</td>
</tr>
<tr>
<td>SOCI 101</td>
<td>Introduction to Sociology</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 140</td>
<td>Intro Statistics</td>
<td>4.0</td>
</tr>
<tr>
<td>CMPSCI 101</td>
<td>Introduction to Computer Science</td>
<td>4.0</td>
</tr>
<tr>
<td>OR</td>
<td>CIT 140 Microsoft Office</td>
<td>3.0</td>
</tr>
</tbody>
</table>

CSUN RN-BSN program may be offered at COC via Interactive TV. Please see the chair of nursing at CSUN for details.

Students should consult with a counselor regarding completion of the CSU GE requirements.

Seventy College of the Canyons credits may be transferred. Students will also need 9 units of upper-division general education from upper-division elective classes taken from CSUN.

Admission Requirements for Degree and Nursing Program Certification

Note: The HHA, CNA and MA programs do NOT have these requirements

1. All nursing science and co-requisite courses must be completed with a grade of C or better.

2. A transfer from another nursing program or challenge: Student must begin this process by submitting an application and transcripts to the Allied Health Office. Course descriptions must accompany transcripts. An appointment with the Assistant Dean of Allied Health/Director of Nursing must be scheduled as well.

3. Proof of vaccination followed by positive titer for Hepatitis B (or signed waiver), rubella, mumps, diphtheria, and tetanus required.

4. Negative mantoux or chest x-ray documentation is required.

5. All nursing students are required to have an annual physical examination. The first physical must be within six months of beginning classes.

6. Current CPR certificate (for health care providers) required prior to start of classes.

7. In addition to the purchase of supplies, textbooks and uniforms, students must pay Associated Student Government fees and enrollment fees including purchase of a College of the Canyons patch.

8. Students must provide their own living expenses and transportation. Limited educational grants, scholarships and loans are available.

9. Students must purchase a student nurse handbook which details information regarding philosophy, grading, dismissal, reentry, probation and ethics.

REGISTERED NURSING PROGRAMS
College of the Canyons offers two Registered Nurse options, the Generic RN Program and the Career Ladder LVN to RN Program. Both options are fully accredited by the National League for Nursing and the California Board of Registered Nursing.

Generic (two-year) RN Program Option
The two-year Generic RN Program is designed for the student who does not have nursing experience. The curriculum includes four semesters of both theory and clinical experience (excluding the one semester prerequisite of BIOSCI 107 or advanced placement high school biology) to qualify the graduate to receive a Certificate of Achievement or an associate in science degree with a major in nursing science and to take the National Council Licensure Exam (NCLEX). Admission into the program is every semester. Applications are taken year round and the qualified student is placed on a waiting list.

RN Program application procedure:

1. Obtain College of the Canyons applications; complete and submit them to the Admissions and Records office with a copy of official transcripts from each college attended.

* Associate Degree Program
2. Obtain nursing program application; complete and submit to the Allied Health Office. An official copy of transcripts from each college attended, as well as math and English placement test results (if applicable) MUST be attached to the nursing program application.

*Note: Student must provide two sets of official transcripts: one for Admissions and Records and one for the Nursing Program.

**SELECTION CRITERIA**

**RN and LVN-RN Career Ladder Program**

1. Completion of ENGL 090, ENGL 080, MATH 060, or BUS 144 (with a grade of C or better).

2. Minimum GPA of 2.50 in any completed Nursing Science degree requirements (BIOSCI 204, 205, or 250, and BIOSCI 221, PSYCH 101, ENGL 090 or 101, and COMS 105 or 223). GPA is calculated by using Nursing courses (listed above) completed by the time of selection. For high school students who have not taken college classes GPA is calculated using advanced placement science classes and algebra.* (No more than two years after high school graduation.)

3. Qualified applicants are placed on a wait list.

*If advanced placement courses were not taken, at least one nursing requirement must be complete to attain a GPA.

**Associate Degree Nursing Requirements**

In order to receive an associate degree, registered nursing students must complete all nursing education courses and all general education requirements with a grade of C or better. (See four-semester sample curriculum guide below.) All requirements for the Associate Degree must be completed before the student will be allowed to apply for licensure.

**Nursing Sample Curriculum Guide for Generic RN Student:**

**First Year - First Semester:**

* BIOSCI 204
* NURSNG 101A/101A-L
* NURSNG 101B/101B-L
* MATH 070 or BUS 144

**First Year - Second Semester:**

* BIOSCI 205
* PSYCH 101
* NURSNG 102/102L
* NURSNG 106/106L

**Second Year - Third Semester:**

* ENGL 101 or 090
* HIST 150
* COMS 105 or 223
* NURSNG 200/200L
* NURSNG 202/202L

**Second Year - Fourth Semester:**

* BIOSCI 221
* POLISC 150
* NURSNG 204/204L

Non-nursing courses may be taken concurrently with nursing subjects available. In addition, all eligibility requirements must be met.

All required nursing program courses must be completed before a student may apply for licensure.

**LVN-RN Career Ladder Program Description**

**Program Purpose**

The LVN-RN program is specifically designed to provide the LVN an opportunity for career advancement and to prepare the LVN for the responsibility, knowledge and skills required for the registered nurse. The purposes of the College of the Canyons Career Ladder program are to qualify the graduate to receive a certificate of achievement, an associate in science degree (with a major in nursing) and to take the national licensure examination to become a registered nurse.

The LVN-RN Career Ladder Program at College of the Canyons is designed to enhance the advancement from an LVN to RN. This program allows the LVN to complete the second year of the RN program with a choice of two options:

- Enter into the generic program
- Web-based, online program
APPLICATION PROCEDURE
1. Obtain COC application; complete and submit to the Admissions and Records office with a copy of official transcripts from each college attended. A course description of each course being transferred must accompany the transcripts. Students must have nursing program checklist completed.

2. Obtain a nursing program application; complete and submit to the Allied Health Office with an official copy of transcripts from each college attended, as well as math and English placement test results (if applicable). A course description of each course being transferred must accompany the transcripts. Students must have a nursing program checklist completed. These MUST be attached to the nursing program application.
   *Note: Student must provide two sets of official transcripts: one for Admissions and Records and one for the Nursing Program.

3. Submit proof of IV certification prior to beginning of the Bridge Class (NURSNG 103)

4. Submit proof of LVN program completion prior to beginning the LVN-RN program.

5. Submit a copy of the LVN license prior to beginning NURSNG 103.

Web-based Online: NURSNG 200/200L taken in summer. NURSNG 202 taken online in a fall semester with NURSNG 202L completed at a clinical site. NURSNG 204 taken online in spring concurrent with NURSNG 204L completed at a clinical site.

Enter Generic Program Second Year: Students enter program in the third semester. After completion of third semester courses, NURSNG 200/200L and NURSNG 202/202L, the students continue into the fourth semester. The fourth semester nursing courses are NURSNG 204/204L. The admission to the generic program is based on eligibility and space availability.

LVN-RN Bridge Course NURSNG 103 must have received a grade of “credit” by all LVN-RN students prior to beginning the NURSNG 200 series.

The Career-Ladder RN program consists of the following nursing classes:
* NURSNG 103 (semester prior to beginning NURSNG 200/200L)
* NURSNG 200/200L
* NURSNG 202/202L
* NURSNG 204/204L

Students must complete ALL requirements for the Associate Degree before the student will be allowed to apply for licensure.

30 Unit Option
The LVN who chooses the “30-unit option” must have a California vocational nursing license and must meet the microbiology and physiology requirements with a grade of C or better. The applicant must then take NURSNG 103, 200/200L, 202/202L, and 204/204L. Upon satisfactory completion of these classes, the applicant would be eligible to apply to take the RN licensure examination. The student would NOT be a graduate of the College of the Canyons Nursing Program or of the College. Applicants to this curriculum alternative must meet with the nursing director for advisement. Placement will be based on space available.

VOCATIONAL NURSNG (VOCNSG)
The College of the Canyons vocational nursing program is designed for the individual who must work full-time or is not able to attend school during the traditional classroom hours. This two-year, weekend and evening program includes a ten week summer session between the two years. Classes are two evenings and on Saturdays. The program is fully accredited by the California Board of Vocational Nursing and Psychiatric Technicians and qualifies the graduate to receive a certificate of achievement and to take the National Council Licensure Examination (NCLEX).

Vocational Nursing program application procedure:
1. Obtain a College of the Canyons application; complete and submit to the Admissions and Records office with a copy of official transcripts from each college attended.

2. Obtain a nursing program application; complete and submit to the Allied Health Office, with an official copy of transcripts from each college attended, as well as math and English placement.
test results (if applicable). A course description of each course being transferred must accompany the transcripts. Students must have a nursing program checklist completed. These MUST be attached to the nursing program application.

*Note: Students must provide two sets of official transcripts: one for Admissions and Records and one for the Nursing Program

3. High School transcripts or GED forwarded to the Allied Health Office.

**SELECTION CRITERIA**

**Vocational Nursing Program (VOCNSG)**

1. Completion of ENGL 090, ENGL 080, MATH 060, or BUS 144 (with a grade of C or better).

2. Completion of high school or equivalency.

3. The vocational nursing applicant may receive 100 clinical hours of advanced placement credit. Qualifying applicants are those with education or experience as certified nursing assistants. An applicant who desires admission to the vocational nursing program by advanced standing must make an advisement appointment with the director or assistant director of nursing.

4. Lottery every other Spring for all applicants who meet above criteria.

*VOCNSG Students must complete BIOSCI 204-205 or BIOSCI 250 before completion of Vocational Nursing Program.

**PHILOSOPHY**

**PROGRAM DESCRIPTION**

The study of philosophy is designed to acquaint students with the distinctive nature of philosophical activity and to help them increase their skills in analytical and critical thinking about matters of fundamental philosophical concern, e.g., the nature of correct reasoning, the scope and limits of human knowledge, the nature of human free will, the most general and ultimate characteristics of reality, the basis of judgments of right and wrong, and the sources of value and obligation.

Philosophy courses seek to assist students in developing skills in critical examination and abstract thought, and to demonstrate the application of the questions and skills of philosophy to practical issues. Courses offered in this program meet general-education and transfer requirements.

**Degree Requirements**

An associate degree is not available in Philosophy since this is considered to be a transfer major. Students wishing the associate degree should major in General Education and include those classes required by the transfer institution.
*PHOTOGRAPHY

PROGRAM DESCRIPTION
The program offers courses, certificates and degrees in photography and photojournalism. The primary goal of the program is to provide a strong fundamental education in basic photography. With lower division courses arranged for each university transfer, the program provides students with degree/certificate completion and industry preparedness. These foundation courses focus on perfecting the process of camera control and black & white development. The program also offers specialty courses in alternative processes, digital, color and studio photography, as well as photojournalism, to accommodate the needs of students with multiple skill levels.

Associate in Arts: Photography

APPROVAL PENDING: The degree program is being offered on a provisional basis only, pending State Chancellor’s Office approval. Students are advised that there is no guarantee of a program degree until the appropriate approval is received. Please consult the photography department for more information.

The primary goal of this degree is to provide the student a foundation of the knowledge and technical abilities for art photography. Electives courses allow for specialty in industry preparedness. All lower-division courses are arranged to optimize transferability to an art or photography program at a four-year university.

Courses required for the major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 110</td>
<td>History of Art: Paleolithic to Renaissance</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 111</td>
<td>History of Art: Renaissance to the Present</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 124A</td>
<td>Drawing I</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 140</td>
<td>Beginning Design: 2D Media</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 141</td>
<td>Beginning Design: 3D Media</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 140</td>
<td>History of Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 150</td>
<td>Introduction to Cameras &amp; Composition</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 160</td>
<td>Black and White Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 165</td>
<td>Digital Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 175</td>
<td>Intermediate Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 180</td>
<td>Documentary and Landscape Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 185</td>
<td>Alternative Processes in Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 190</td>
<td>Studio Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 198</td>
<td>Special Topics in Photography</td>
<td>0.50 – 3.0</td>
</tr>
<tr>
<td>PHOTO 205</td>
<td>Advanced Digital Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 260</td>
<td>Photojournalism</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 285</td>
<td>Advanced Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 295</td>
<td>Professional Practices and Portfolio</td>
<td>3.0</td>
</tr>
<tr>
<td>CWEXP 188</td>
<td>Cooperative Work Experience: PHOTO</td>
<td>1.0 – 4.0</td>
</tr>
</tbody>
</table>

Total Units = 18.0

Certificate of Achievement: Commercial Photography

APPROVAL PENDING: The certificate program is being offered on a provisional basis only, pending State Chancellor’s office approval. Students are advised that there is no guarantee of a program certificate until the appropriate approval is received. Please consult the photography department for more information.

This certificate prepares students for an entry-level position in the industry of commercial photography such as portrait, wedding and product photography.

ASSOCIATE IN SCIENCE: PHOTOJOURNALISM

The Associate degree and certificate programs prepare students for entry-level positions in the field of photojournalism such as at a newspaper or doing documentary photography.

Courses required for the major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOURN 100</td>
<td>Media &amp; Society</td>
<td>3.0</td>
</tr>
<tr>
<td>JOURN 105</td>
<td>News Writing</td>
<td>3.0</td>
</tr>
<tr>
<td>JOURN 210</td>
<td>Newspaper &amp; Magazine Production Staff</td>
<td>3.0</td>
</tr>
<tr>
<td>JOURN 215</td>
<td>Editorial Workshop</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 160</td>
<td>Black and White Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 165</td>
<td>Digital Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 260</td>
<td>Photojournalism</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Total Units = 18.0

* Associate Degree Program
### Degree Curricula and Certificate Programs

**Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHOTO 160</td>
<td>Black and White Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 165</td>
<td>Digital Photography I</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 175</td>
<td>Intermediate Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 190</td>
<td>Studio Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 195</td>
<td>Color Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 205</td>
<td>Advanced Digital Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 285</td>
<td>Advanced Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 295</td>
<td>Professional Practices and Portfolio</td>
<td>3.0</td>
</tr>
</tbody>
</table>

*Plus three units of CWEXP 188 (Must be PHOTO)*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CWEXP 188</td>
<td>Cooperative Work Experience</td>
<td>1.0–4.0</td>
</tr>
</tbody>
</table>

**Recommended Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 110</td>
<td>History of Art: Paleolithic to Renaissance</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 111</td>
<td>History of Art: Renaissance to the Present</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 124A</td>
<td>Drawing I</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 140</td>
<td>Beginning Design: 2D Media</td>
<td>3.0</td>
</tr>
<tr>
<td>DAT 140</td>
<td>Visual Design</td>
<td>3.0</td>
</tr>
</tbody>
</table>

*Total Units = 27.0*

**Certificate of Achievement: Fine Art Photography**

**APPROVAL PENDING:** The certificate program is being offered on a provisional basis only, pending State Chancellor’s office approval. Students are advised that there is no guarantee of a program certificate until the appropriate approval is received. Please consult the photography department for more information.

This certificate prepares students for entry into the artistic pursuit of displaying one’s photography as a fine art photographer.

**Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 111</td>
<td>History of Art: Renaissance to the Present</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 124A</td>
<td>Drawing I</td>
<td>3.0</td>
</tr>
<tr>
<td>ART 140</td>
<td>Beginning Design: 2D Media</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 140</td>
<td>History of Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 150</td>
<td>Introduction to Cameras &amp; Composition</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 160</td>
<td>Black and White Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 295</td>
<td>Professional Practices and Portfolio</td>
<td>3.0</td>
</tr>
</tbody>
</table>

* Plus six units from the following:*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHOTO 165</td>
<td>Digital Photography I</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 175</td>
<td>Intermediate Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 180</td>
<td>Documentary and Landscape Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 185</td>
<td>Alternative Processes in Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 190</td>
<td>Studio Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 195</td>
<td>Color Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 198</td>
<td>Special Topics in Photography</td>
<td>0.50–3.0</td>
</tr>
<tr>
<td>PHOTO 205</td>
<td>Advanced Digital Photography</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 260</td>
<td>Photojournalism</td>
<td>3.0</td>
</tr>
<tr>
<td>PHOTO 285</td>
<td>Advanced Photography</td>
<td>3.0</td>
</tr>
</tbody>
</table>

*Plus three units of CWEXP 188 (Must be PHOTO)*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CWEXP 188</td>
<td>Cooperative Work Experience</td>
<td>1.0–4.0</td>
</tr>
</tbody>
</table>

*Total Units = 30.0*
## PHYSICAL EDUCATION-KINESIOLOGY

### PROGRAM DESCRIPTION
The Physical Education-Kinesiology program offers a diverse curriculum, which includes theory courses in Physical Education-Kinesiology, health education, and athletic training/sports medicine. A wide variety of movement courses are offered for the development of physical activity skills, knowledge and fitness necessary for lifetime wellness in the areas of group exercise, aquatics, team sports and recreation. Traditionally strong intercollegiate athletic programs offer performance-based students opportunities for competition. The Physical Education-Kinesiology department offers an associate degree in Physical Education-Kinesiology as well as an associate degree in Athletic Training. With a growing emphasis on physical fitness and life-long recreational activities in our society, the demand for courses in the Physical Education-Kinesiology department is expected to increase.

### Associate in Science: Physical Education - Kinesiology

#### Courses required for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSED 100</td>
<td>Health Education</td>
<td>3.0</td>
</tr>
<tr>
<td>PHYSED 101</td>
<td>Introduction to Kinesiology and Physical Education</td>
<td>3.0</td>
</tr>
<tr>
<td>PHYSED 102</td>
<td>Principles of Physical Fitness and Conditioning</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOSCI 204</td>
<td>Human Anatomy/Physiology I</td>
<td>4.0</td>
</tr>
<tr>
<td>BIOSCI 205</td>
<td>Human Anatomy &amp; Physiology II</td>
<td>4.0</td>
</tr>
<tr>
<td>PHYSED 110</td>
<td>Prevention and Care of Athletic Injuries</td>
<td>3.0</td>
</tr>
<tr>
<td>HLHSCI 150</td>
<td>Nutrition</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Plus three units from the following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSED 117</td>
<td>Swimming Activities</td>
<td>1.0</td>
</tr>
<tr>
<td>PHYSED 118</td>
<td>Red Cross Lifeguard Training</td>
<td>1.0</td>
</tr>
<tr>
<td>PHYSED 119</td>
<td>Water Safety Instructor</td>
<td>1.0</td>
</tr>
<tr>
<td>PHYSED 120</td>
<td>Aqua Aerobics</td>
<td>1.0</td>
</tr>
<tr>
<td>PHYSED 121</td>
<td>Deep-Water Running and Conditioning</td>
<td>1.0</td>
</tr>
<tr>
<td>PHYSED 126</td>
<td>Running for Fitness</td>
<td>1.0</td>
</tr>
<tr>
<td>PHYSED 127</td>
<td>Bowling</td>
<td>1.0</td>
</tr>
<tr>
<td>PHYSED 128</td>
<td>Spin Cycling Fitness</td>
<td>1.0</td>
</tr>
<tr>
<td>PHYSED 129</td>
<td>Beginning Golf</td>
<td>1.0</td>
</tr>
<tr>
<td>PHYSED 130</td>
<td>Beginning Tennis</td>
<td>1.0</td>
</tr>
<tr>
<td>PHYSED 131</td>
<td>Beginning Beach Volleyball</td>
<td>1.0</td>
</tr>
<tr>
<td>PHYSED 133</td>
<td>Beginning Soccer</td>
<td>1.0</td>
</tr>
<tr>
<td>PHYSED 134</td>
<td>Softball</td>
<td>1.0</td>
</tr>
<tr>
<td>PHYSED 138</td>
<td>Beginning Volleyball</td>
<td>1.0</td>
</tr>
<tr>
<td>PHYSED 145</td>
<td>Step Aerobics</td>
<td>1.0</td>
</tr>
<tr>
<td>PHYSED 149</td>
<td>Basketball</td>
<td>1.0</td>
</tr>
<tr>
<td>PHYSED 150</td>
<td>Physical Fitness Lab</td>
<td>1.0</td>
</tr>
<tr>
<td>PHYSED 151</td>
<td>Weight Training</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**Recommended Elective**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSED 109</td>
<td>Emergency Procedures</td>
<td>2.0</td>
</tr>
</tbody>
</table>

**Total Units = 23.0**
PHYSICS

PROGRAM DESCRIPTION
The Physics program provides curriculum concerned with the properties of matter and energy, their interactions and transformations. The Physics program includes both major and non-major courses. The following is a sample of career options available for physics. Most require a baccalaureate degree, and some require a graduate degree: air pollution operations, consumer safety officer, engineer, teacher, and astrophysicist.

Degree Requirements
An associate degree is not available in Physics since it is considered to be a transfer major. Students can complete a major in Biological and Physical Science.

POLITICAL SCIENCE

PROGRAM DESCRIPTION
Public authority, responsibility, and acquisition of power are all studied in the discipline of political science. Introductory courses are for students interested in learning about American government, politics in general and relationships with other political systems in the world. Students majoring in political science who are pre-law will particularly profit from the more advanced courses in the department.

Students interested in foreign service, international relations and/or communications will enjoy participating in the Model United Nations program offered by the department. A major in political science is of benefit to students seeking careers in law, the military, economics, law enforcement, business, and public administration.

Degree Requirements
An associate degree is not available in Political Science since this is considered to be a transfer major. Students wishing the associate degree should major in General Education and include those classes required by the transfer institution.
PSYCHOLOGY

PROGRAM DESCRIPTION
Psychology is both a natural science and a social science concerned with the scientific study of behavior, mental processes, life-span development, disorders and well-being. As such, psychology is a broad discipline that involves the pursuits of pure science and the practical application of science to describe, predict, understand and control matters of everyday living and behavior. The psychology curriculum at College of the Canyons is designed to serve as a valuable part of students’ general education, to provide students with courses that will facilitate transfer to other colleges and universities, to support the training of human-service professionals, and to enhance the quality of life when applied to everyday experience.

Most careers in psychology require graduate study. However, there are increasing opportunities in business in the human resources and industrial-organizational specialties, in education and in health-care for individuals at the bachelor’s level. The understanding of human behavior is essential in all career choices.

Degree Requirements
An associate degree is not available in Psychology since this is considered to be a transfer major. Students wishing the associate degree should major in General Education and include those classes required by the transfer institution.

*QUALITY TECHNOLOGY

PROGRAM DESCRIPTION
Quality technology is an occupational program designed to prepare students for a variety of positions from entry-level inspection to quality management. Courses offered include lecture, hands-on experience, and a selection of field trips used to demonstrate actual application of area studies. Major areas are mechanical/electrical measurements, statistical concepts, process control, interpretation of specification, and non-destructive testing.

Associate in Science and Certificate of Achievement: Quality Technology

Courses required for the major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>QCTECH 100</td>
<td>The Quality Control Function</td>
<td>3.0</td>
</tr>
<tr>
<td>QCTECH 101</td>
<td>Measurement-Mechanical/Electrical</td>
<td>4.0</td>
</tr>
<tr>
<td>QCTECH 150</td>
<td>Interpretation of Specifications</td>
<td>2.0</td>
</tr>
<tr>
<td>QCTECH 151</td>
<td>Statistical Concepts</td>
<td>2.0</td>
</tr>
<tr>
<td>QCTECH 152</td>
<td>Process Control</td>
<td>4.0</td>
</tr>
<tr>
<td>QCTECH 153</td>
<td>Non-Destructive Testing</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td></td>
<td><strong>18.0</strong></td>
</tr>
</tbody>
</table>
RADIO/TELEVISION/FILM

PROGRAM DESCRIPTION
The study of media provides comprehensive instruction for transfer majors as well as professional preparation for entry-level positions. The program offers a broad curriculum that allows students to produce media and critically examine its role in contemporary society.

Associate in Arts: Radio/TV/Film

Courses required for the major:
Any 18 units in Radio/Television/Film

*REAL ESTATE

PROGRAM DESCRIPTION
The real estate program involves the study of California real estate principles, practices, procedures, law and financial issues. Students 18 or older who successfully complete REAL 100 (Real Estate principles are academically qualified to sit for the California real estate license examination and upon successful completion of that test can be issued a provisional (19-month) license. Upon successful completion of two additional courses from the list below, the student is academically qualified to receive a four-year license.

Students who complete seven classes as described in the list below receive a certificate of achievement and, if they meet other state requirements, are academically qualified to sit for the broker’s examination.

Associate in Science: Real Estate

Courses required for the major:
Select 18 units from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>REAL 100</td>
<td>Real Estate Principles</td>
<td>3.0</td>
</tr>
<tr>
<td>REAL 101</td>
<td>Real Estate Practices</td>
<td>3.0</td>
</tr>
<tr>
<td>REAL 105</td>
<td>Real Estate Financing</td>
<td>3.0</td>
</tr>
<tr>
<td>REAL 115</td>
<td>Legal Aspects of Real Estate</td>
<td>3.0</td>
</tr>
<tr>
<td>REAL 120</td>
<td>Real Estate Appraisal</td>
<td>3.0</td>
</tr>
<tr>
<td>REAL 121</td>
<td>Real Estate Appraisal II</td>
<td>3.0</td>
</tr>
<tr>
<td>REAL 130</td>
<td>Escrow Procedures &amp; Processing</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Certificate of Achievement: Real Estate

Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>REAL 100</td>
<td>Real Estate Principles</td>
<td>3.0</td>
</tr>
<tr>
<td>REAL 101</td>
<td>Real Estate Practices</td>
<td>3.0</td>
</tr>
<tr>
<td>REAL 105</td>
<td>Real Estate Financing</td>
<td>3.0</td>
</tr>
<tr>
<td>REAL 115</td>
<td>Legal Aspects of Real Estate</td>
<td>3.0</td>
</tr>
<tr>
<td>REAL 120</td>
<td>Real Estate Appraisal</td>
<td>3.0</td>
</tr>
<tr>
<td>REAL 121</td>
<td>Real Estate Appraisal II</td>
<td>3.0</td>
</tr>
<tr>
<td>REAL 130</td>
<td>Escrow Procedures &amp; Processing</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 201</td>
<td>Principles of Accounting I</td>
<td>5.0</td>
</tr>
</tbody>
</table>

Total Units = 26.0
SIGN LANGUAGE

PROGRAM DESCRIPTION
The study of American Sign Language (ASL) develops the student’s communicative competency in ASL. Students taking courses in this program develop grammatical skills, acquire ASL vocabulary, increase their awareness of deaf culture, and strengthen their communicative skills. ASL courses provide students with instruction and training in preparation to transfer to four-year schools and offer basic training for persons needing ASL skills in the workplace or in everyday life.

Degree Requirements
An associate degree is not available in sign language. Students wishing the associate degree should major in General Education and include those classes required by the transfer institution.

*SOCIAL SCIENCE

PROGRAM DESCRIPTION
Social Science is the study of people as members of a society. It examines individual and group behavior, communication and decision-making from a contemporary view, as well historical roots and evolving perspectives. The associate degree takes an interdisciplinary approach to the field and is designed to provide an overview of the broad range of courses that constitute and are available in the social sciences.

Associate in Arts: Social Science

Courses required for the major:

American Institutions Requirement (6 units):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 170</td>
<td>Economic History of the United States</td>
<td>3.0</td>
</tr>
<tr>
<td>POLISC 150</td>
<td>Introduction to American Government &amp; Politics</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>HIST 245</td>
<td>History of the Americas</td>
<td>3.0</td>
</tr>
<tr>
<td>POLISC 150</td>
<td>Introduction to American Government &amp; Politics</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>POLISC 150</td>
<td>Introduction to American Government &amp; Politics</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST 150</td>
<td>Introduction to History of the United States</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>HIST 111</td>
<td>United States History I</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST 112</td>
<td>United States History II</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>HIST 111</td>
<td>United States History I</td>
<td>3.0</td>
</tr>
<tr>
<td>POLISC 150</td>
<td>Introduction to American Government &amp; Politics</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>HIST 112</td>
<td>United States History II</td>
<td>3.0</td>
</tr>
<tr>
<td>POLISC 150</td>
<td>Introduction to American Government &amp; Politics</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Plus three units from one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYCH 101</td>
<td>Introduction to Psychology</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYCH 105</td>
<td>Personal Growth and Adjustment</td>
<td>3.0</td>
</tr>
</tbody>
</table>

* Associate Degree Program
# Degree Curricula and Certificate Programs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYCH 109</td>
<td>Social Psychology</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYCH 150</td>
<td>Crisis Intervention &amp; Management</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYCH 172</td>
<td>Developmental Psychology</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYCH 235</td>
<td>Psychology of Gender Roles</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYCH 230</td>
<td>Human Sexuality</td>
<td>3.0</td>
</tr>
</tbody>
</table>

*Plus three units from one of the following:*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 100</td>
<td>Chicano/a Culture</td>
<td>3.0</td>
</tr>
<tr>
<td>SOCI 101</td>
<td>Introduction to Sociology</td>
<td>3.0</td>
</tr>
<tr>
<td>SOCI 102</td>
<td>Sociological Analysis</td>
<td>3.0</td>
</tr>
<tr>
<td>SOCI 103</td>
<td>The Changing Family</td>
<td>3.0</td>
</tr>
<tr>
<td>SOCI 105</td>
<td>Multiculturalism in the United States</td>
<td>3.0</td>
</tr>
<tr>
<td>SOCI 108</td>
<td>Thinking Critically About Social Issues</td>
<td>3.0</td>
</tr>
<tr>
<td>SOCI 200</td>
<td>Introduction to Women's Studies</td>
<td>3.0</td>
</tr>
<tr>
<td>SOCI 203</td>
<td>Sociology of Work, Organizations, and Community</td>
<td>3.0</td>
</tr>
<tr>
<td>SOCI 207</td>
<td>Social Problems</td>
<td>3.0</td>
</tr>
<tr>
<td>SOCI 208</td>
<td>Sociology of Death and Dying</td>
<td>3.0</td>
</tr>
<tr>
<td>SOCI 210</td>
<td>Sociology of Deviance, Crime and Social Control</td>
<td>3.0</td>
</tr>
<tr>
<td>SOCI 233</td>
<td>Sociology of Aging</td>
<td>3.0</td>
</tr>
</tbody>
</table>

*Plus three units from one of the following:*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTHRO 103</td>
<td>Cultural Anthropology</td>
<td>3.0</td>
</tr>
<tr>
<td>ANTHRO 105</td>
<td>Introduction to Archaeology</td>
<td>3.0</td>
</tr>
<tr>
<td>ANTHRO 210</td>
<td>Indians of California</td>
<td>3.0</td>
</tr>
</tbody>
</table>

*Plus three units from one of the following:*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMS 223</td>
<td>Small Group Communication</td>
<td>3.0</td>
</tr>
<tr>
<td>COMS 246</td>
<td>Interpersonal Communication</td>
<td>3.0</td>
</tr>
<tr>
<td>COMS 256</td>
<td>Intercultural Communication</td>
<td>3.0</td>
</tr>
<tr>
<td>COMS 260</td>
<td>Communication &amp; Gender</td>
<td>3.0</td>
</tr>
<tr>
<td>ECON 130</td>
<td>Consumer Economics</td>
<td>3.0</td>
</tr>
<tr>
<td>ECON 150</td>
<td>Economic Principles in Action</td>
<td>3.0</td>
</tr>
<tr>
<td>ECON 170</td>
<td>Economic History of the United States</td>
<td>3.0</td>
</tr>
<tr>
<td>ECON 201</td>
<td>Macroeconomics</td>
<td>3.0</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Microeconomics</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total Units = 18.0**

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**SOCIOMETRY**

**PROGRAM DESCRIPTION**

Sociology is both a scientific and humanistic discipline. It is concerned with the study of group life and systems of social actions. As a social science, sociology examines the social and cultural interplay among human encounters. These arrangements range from the exploration of single social acts, social relationships and organizations, to the analysis of institutions, communities, and societies. Social interaction provides the mode of inquiry as each setting is examined within its larger social and cultural milieu, understanding that human behavior is shaped by personal exchanges and structural occurrences. The interrelationships that exist between these conditions are investigated, as are the social forces that create their outcomes.

In its practical applications, sociology deals with the ways in which sociological findings are employed to achieve stated goals and encourage social change. Survey courses introduce students to the basic theoretical, methodological, and analytical techniques used to explain and interpret social behavior. In addition, a variety of courses offer an examination of contemporary social issues such as aging, social deviance, women’s studies and multiculturalism – each of which challenges students to question their “taken-for-granted” world views. Sociology provides a valuable liberal arts emphasis for students contemplating a wide variety of career paths, since it develops strong critical thinking and communication skills. Students holding the Bachelor’s degree will find a sociological background useful in entering the fields of law, business, medicine, counseling, or politics.

**Degree Requirements**

An associate degree is not available in Sociology since this is considered to be a transfer major. Students wishing the associate degree should major in General Education and include those classes required by the transfer institution.

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* Associate Degree Program
Spanish
(See Foreign Languages)

THEATRE

PROGRAM DESCRIPTION
The theatre department offers courses in both theory and practice. It is committed to teaching an immediately useful set of theatre skills including acting, script-writing, technical production and directing while providing a wide spectrum of production experiences in which to practice them; and to place the art of theatre in its larger historical context. The theatre program serves the college, community and students by providing theatrical and dramatic productions.

Degree Requirements
An associate degree is not available in Theatre since this is considered to be a transfer major. Students wishing the associate degree should major in General Education and include those classes required by the transfer institution.

*WATER SYSTEMS TECHNOLOGY

PROGRAM DESCRIPTION
Water Systems Technology is the study of water treatment and distribution processes as well as wastewater treatment and disposal. The program is designed to prepare students seeking a career in the water treatment industry. The Water Systems Technology program also provides instruction for water personnel interested in career advancement. Coursework will help prepare students for various Certification examinations given by the State of California-Department of Health Services.

Courses within this program include the following: Water Distribution Operator I, Water Treatment Chemistry, and Waterworks Mathematics, to name a few.

A.S. DEGREE REQUIREMENTS
Courses required for the major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>WATER 100</td>
<td>Waterwork Mathematics</td>
<td>3.0</td>
</tr>
<tr>
<td>WATER 101</td>
<td>Water Treatment Processes I</td>
<td>3.0</td>
</tr>
<tr>
<td>WATER 102</td>
<td>Water Treatment Processes II</td>
<td>3.0</td>
</tr>
<tr>
<td>WATER 105</td>
<td>Water Distribution Operator I</td>
<td>3.0</td>
</tr>
<tr>
<td>WATER 106</td>
<td>Water Distribution Operator II</td>
<td>3.0</td>
</tr>
<tr>
<td>WATER 108</td>
<td>Water Treatment Chemistry</td>
<td>3.0</td>
</tr>
<tr>
<td>WATER 110</td>
<td>Wastewater Treatment &amp; Disposal I</td>
<td>3.0</td>
</tr>
<tr>
<td>WATER 111</td>
<td>Wastewater Treatment &amp; Disposal II</td>
<td>3.0</td>
</tr>
<tr>
<td>WATER 112</td>
<td>Wastewater Treatment &amp; Disposal III</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Recommended Electives

Total Units = 27.0

* Associate Degree Program
*WELDING*

PROGRAM DESCRIPTION
Welding is a vocational program involving the study of metals and welding techniques, including the development of skills in tool usage, welding and cutting.

Students have the opportunity for skill development in a well-equipped welding shop with a vast number of course offerings covering basic welding fundamentals to advanced high-tech processes so that students can fulfill their individual skills needs. Emphasis on individual instruction by a highly qualified staff enables students to gain skillfulness that can lead to certification and valuable lifelong skills. Field trips to related industries along with guest lecturers from associated manufacturing industries complement the curriculum.

Students are assisted with job placement in related fields.

Instruction is available at three levels:
1. Fundamental skills in oxyacetylene welding and cutting; and
2. Shielded metal arc, MIG TIG, and Resistance spot welding
3. Advanced welding processes (orbital, chamber, and laser)

*Students may also pursue one or more of the following*  
Los Angeles City certifications in welding:  
1. Structural Steel  
2. Light Gauge  
3. Semi-automatic  
4. Rebar  
5. TIG (mill specialists 5021)  

Associate in Science: Welding  
Courses required for the major:  
Select 18 units from the following:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELD 100</td>
<td>Introduction to Oxy-Acetylene Welding</td>
<td>2.0</td>
</tr>
<tr>
<td>WELD 101</td>
<td>Introduction to Arc Welding</td>
<td>2.0</td>
</tr>
<tr>
<td>WELD 102</td>
<td>Introduction to Gas Tungsten</td>
<td></td>
</tr>
<tr>
<td>WELD 103</td>
<td>Metal Sculpturing</td>
<td>2.0</td>
</tr>
<tr>
<td>WELD 120</td>
<td>Industrial Welding I</td>
<td>5.0</td>
</tr>
<tr>
<td>WELD 122</td>
<td>Industrial Welding II</td>
<td>5.0</td>
</tr>
<tr>
<td>WELD 124</td>
<td>Industrial Welding III</td>
<td>5.0</td>
</tr>
<tr>
<td>WELD 125</td>
<td>Industrial Welding IV</td>
<td>1.0</td>
</tr>
<tr>
<td>WELD 130</td>
<td>Welding Metallurgy</td>
<td>3.0</td>
</tr>
<tr>
<td>WELD 140</td>
<td>Welding Inspection</td>
<td>3.0</td>
</tr>
<tr>
<td>WELD 150</td>
<td>Welding Technology</td>
<td>13.0</td>
</tr>
<tr>
<td>WELD 155</td>
<td>GTAW and Orbital Welding</td>
<td>4.0</td>
</tr>
</tbody>
</table>

WELDING - CERTIFICATE OF ACHIEVEMENT  
Courses:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELD 100</td>
<td>Introduction to Oxy-Acetylene Welding</td>
<td>2.0</td>
</tr>
<tr>
<td>WELD 101</td>
<td>Introduction to Arc Welding</td>
<td>2.0</td>
</tr>
<tr>
<td>WELD 120</td>
<td>Industrial Welding I</td>
<td>5.0</td>
</tr>
<tr>
<td>WELD 122</td>
<td>Industrial Welding II</td>
<td>5.0</td>
</tr>
<tr>
<td>WELD 124</td>
<td>Industrial Welding III</td>
<td>5.0</td>
</tr>
<tr>
<td>WELD 125</td>
<td>Industrial Welding IV</td>
<td>1.0</td>
</tr>
<tr>
<td>WELD 130</td>
<td>Welding Metallurgy</td>
<td>3.0</td>
</tr>
<tr>
<td>WELD 140</td>
<td>Welding Inspection</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Total Units = 26.0
COURSE DESCRIPTIONS
Course descriptions are arranged alphabetically by subject field and are distinguished by identifying numbers and course titles.

The credit value of each course is indicated in semester units. Each unit represents one hour per week of lecture or recitation, or a longer time in laboratory or activity classes. Some courses may be repeated for credit, but only if explicitly indicated in the description. Students wishing to repeat a course for the purpose of recalculating the grade point average should refer to the description regarding “Course Repetition.”

Below each course title, the units, hours, prerequisites, and the course description are given. Students should read this material carefully to be sure that they are qualified to take the course and that the course content meets their needs and interests.

In many areas, courses are intended to be taken in sequence. This is especially true in mathematics, the sciences, foreign languages and English. In these cases, credit will not be given for a lower-level course after receiving credit for a higher-level course (i.e., no credit is earned for Spanish I if it is taken after credit has been earned for Spanish II, etc.).

A Schedule of Classes is issued at the opening of the fall, winter, spring and summer terms, and lists the courses to be offered.

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

COURSE PREREQUISITES
Some courses offered by the college require the completion of a prerequisite. A prerequisite is a course or assessment process that must be satisfactorily completed before a more difficult course is attempted. Students are advised to consult the course descriptions found in the current college catalog or class schedule for the identification of the prerequisites for a course.

All prerequisite classes must have been completed with a satisfactory grade. Satisfactory grade means that, for the course in question, the grade earned must be a CR or C or better; D, F, or NC grades are not acceptable.

Important Definitions:
- Prerequisite -- a condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program.
- Corequisite -- a condition of enrollment consisting of a course that a student is required to take simultaneously in order to enroll in another course.
- Strongly Recommended or Recommended Preparation -- a condition of enrollment that a student is advised, but not required, to meet before or in conjunction with enrollment in course or educational program.

Procedures for Challenging a Prerequisite
Prerequisite Challenge Petitions are available in the Counseling Office. A prerequisite may be challenged for the following reasons:

1. The prerequisite has not been made reasonably available;
2. It was established in violation of regulation or in violation of the District-approved process;
3. The prerequisite is discriminatory or applied in a discriminatory manner; and/or,
4. You have knowledge or ability to succeed in the course despite not meeting the prerequisite.

In each case, the student is to provide documentation to support the challenge.

DEGREE APPROPRIATE CLASSES
Certain courses in English, mathematics and other basic skills can no longer be used toward the 60-unit requirement for the associate degree. These non-degree-applicable (NDA) courses include English 010, 011, 012, 033, 034, 035, and 063; ESL 060, 061, 065, 070, 071, 075, and 081; General Studies 050-099; Information Technology 040, and 051; Family Studies and Early Childhood Education 050; and Mathematics 010, 025, 026, 030, 057, 058, 059, 060.

TRANSFERABLE COURSES
In the following course descriptions, “CSU” indicates that a course is baccalaureate certified to California State Universities; “UC” indicates that a course is transferable to the University of California.
ADMINISTRATION OF JUSTICE

ADMJUS 099 CAMPUS ESCORT SERVICE OFFICER
Units: 1.00
1.00 hours lecture weekly. May be taken 2 times for credit
Through a supervised security experience, students will develop communication skills in interactions with the public, providing assistance and evening escort service for the campus environment. Basic campus security, crowd control and crime prevention. Units do not apply to the associate degree. Offered credit/no credit only.

ADMJUS 101 INTRODUCTION TO LAW ENFORCEMENT
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An overview of the history, philosophy and practical aspects of the Criminal Justice System (CJS) in America. This course presents an overview of the sub-systems of the CJS, presents concepts, terms and theories of law enforcement, the judiciary and the correctional system. UC credit limitation; consult a counselor.

ADMJUS 110 PRINCIPLES & PROCEDURES OF THE JUSTICE SYSTEM
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An in-depth study of the role and responsibilities of each segment within the administration of justice system: law enforcement, judicial, corrections. A past, present and future exposure to each subsystem procedure from initial entry to final disposition and the relationship each segment maintains with its system members. UC credit limitation, consult a counselor.

ADMJUS 125 CRIMINAL LAW I
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Historical development, philosophy of law and constitutional provisions; definitions, classification of crime, and their application to the system of administration of justice, legal research; study of case law; methodology; and concepts of law as a social force.

ADMJUS 126 CRIMINAL LAW II
Units: 3.00 - CSU
3.00 hours lecture weekly
Prerequisite: ADMJUS 125
An in-depth study of the substantive law, commonly encountered by the municipal, county, or state police officer or investigator or other criminal justice employee. The scope of the course includes misdemeanor and felony violations of the criminal statutes.

ADMJUS 130 REPORT WRITING FOR LAW ENFORCEMENT
Units: 3.00 - CSU
3.00 hours lecture weekly
A specialized writing course for students who are considering entry into law enforcement, security work or those currently employed in those fields. Presents a simple review of basic grammar, punctuation, spelling and sentence structure and reviews basic investigation principles, note-taking techniques and rules for writing police reports, warrants and memos.

ADMJUS 135 EVIDENCE
Units: 3.00 - CSU
3.00 hours lecture weekly
An introduction for students entering law enforcement or those students having an interest in the study of law. Covers relevant constitutional issues, supreme court decisions and the Federal Rules of Evidence. Major topics include types, kinds and preservation of evidence; the Hearsay Rule; admissibility; privileges; identification; searches and consent.

ADMJUS 150 PATROL PROCEDURES
Units: 3.00 - CSU
3.00 hours lecture weekly
Exploration of theories, philosophies and concepts related to the role expectations of the line enforcement officer. Emphasis is placed upon the patrol, traffic, and public service responsibilities and their relationship to the administration of justice.
### ADMJUS 155 CRIMINAL INVESTIGATION
Units: 3.00 - CSU
3.00 hours lecture weekly
The study of basic principles of all types of investigations utilized in the justice system. Coverage will include human aspects in dealing with the public, specific knowledge for handling crime scenes: interviews, evidence, surveillance, follow-up, technical resources, and case preparation.

### ADMJUS 160 TRAFFIC: ENFORCEMENT/INVESTIGATION
Units: 3.00 - CSU
3.00 hours lecture weekly
Traffic law enforcement, accident investigation, and traffic control; primary emphasis on the California Vehicle Code. Basic accident reporting and classification; determination of cause and prevention. Not open to students having credit for ADMJUS 145.

### ADMJUS 175 VICE CONTROL
Units: 3.00 - CSU
3.00 hours lecture weekly
Presents the social, political, practical, moral and legal issues of vice control; discusses the influence of organized crime on vice activity. Considers the laws dealing with prostitution, gambling and pornography.

### ADMJUS 180 DANGEROUS DRUGS & NARCOTICS
Units: 3.00 - CSU
3.00 hours lecture weekly
The law enforcement role relating to narcotics and dangerous drugs. The course includes a study of laws pertaining to controlled substances, identification of drugs, symptoms of use and investigative techniques.

### ADMJUS 185 POLICE-COMMUNITY RELATIONS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An in-depth exploration of the roles of the administration of justice practitioners and their agencies. Through interaction and study, the student will become aware of the interrelationships and role expectations among the various agencies and the public. Principal emphasis will be placed upon the professional image of the system of justice administration and the development of positive relationships between members of the system and the public.

### ADMJUS 190 POLICE ADMINISTRATION
Units: 3.00 - CSU
3.00 hours lecture weekly
Specialized training for those wishing an understanding of law enforcement management as well as preparing those in law enforcement for supervisory positions. Subjects covered include organization, administration, training and personnel selection.

### ADMJUS 198 ADVANCED OFFICER TRAINING
Units: 0.50-5.00 - CSU
0.50 hours lecture weekly, May be taken 4 times for credit
Special topics courses in a variable format depending on subject matter. Course content includes refresher material from all areas of law enforcement responsibility such as law, firearms, first aid, and patrol procedures. Each course will have its own title and letter designation in the schedule of classes. (Formerly ADMJUS 199).

### ADMJUS 250 SHERIFF'S TRAINING ACADEMY
Units: 10.00 - CSU
20.00 hours lecture weekly, 19.76 hours lab weekly
A POST-certified, 18-week course designed to prepare student for employment with California law enforcement agencies.

### ADMJUS 251 RESERVE TRAINING ACADEMY
Units: 5.00 - CSU
10.00 hours lecture weekly, 8.00 hours lab weekly
A 22-week, POST-certified course designed to prepare students for comprehensive voluntary services to California law enforcement agencies. This course will provide students with the basic training required by the Commission of Peace Officer Standards and training for California peace officers. Students will be trained in functional areas of law enforcement including community relations, criminal law, criminal evidence, patrol procedure investigation, vehicle code, vehicle operations and communications. Additional training will include physical conditioning, health, self-defense tactics and special training in weapons and marksmanship.
ADMJUS 252 RESERVE TRAINING ACADEMY
Units: 3.00 - CSU
10.00 hours lecture weekly, 8.00 hours lab weekly
Designed to prepare students for voluntary service to California law enforcement agencies. This POST-certified course provides the basic training required by the Commission on Peace Officer Standards; and training for California peace officers. Students will be trained in functional areas of law enforcement including community relations, criminal law, criminal evidence, patrol procedures, investigation, vehicle code, vehicle operations and communications. Additional training will include physical conditioning, health, self-defense tactics, and special training in weapons and marksmanship.

ADMJUS 253 CORRECTIONS OFFICER BASIC ACADEMY
Units: 3.00 - CSU
3.00 hours lecture weekly, 1.00 hours lab weekly
A basic academy supplemental course designed for the corrections officer who is a peace officer and who has completed the POST basic course (AJ 250). Specific subjects include codes and statutes relevant to custody, legal rights of inmates, classification and identification of contraband, booking and reception, jail investigations, search techniques, supervision of inmates, indicators of substance abuse, physical and medical problems, emergency procedures and responsibilities for inmate work assignments and inmate visiting.

American Sign Language
(See Sign Language)

ANIM 081 APPLICATIONS: 3D STUDIO MAX I
Units: 1.00 1.00 hours lecture weekly
Corequisite: ANIM 091L
A short, introductory course in basic character design and animation using 3D Studio Max software. Students learn how to utilize basic design and animation features along with the application of 3D Studio Max for the building of simple armatures and exploring forward kinematics animation. Basic computer knowledge is assumed. Offered credit/no-credit only and not degree applicable. Part one of three courses. (Formerly DAT 081).

ANIM 082 APPLICATIONS: 3D STUDIO MAX II
Units: 1.00
1.00 hours lecture weekly
Prerequisite: ANIM 081 or DAT 081;
Corequisite: ANIM-091L
A short-term intermediate course in character animation and design using 3D Studio Max software. Students continue to develop their skills using more complex animation and designs, along with exploring 3D Studio Max’s powerful tools to control more advanced character designs, textures, lighting, and mapping. Offered credit/no-credit only and not degree applicable. Part two of three courses. (Formerly DAT 082).

ANIM 083 APPLICATIONS: 3D STUDIO MAX III
Units: 1.00 1.00 hours lecture weekly
Prerequisite: ANIM 082 or DAT 082;
Corequisite: ANIM 091L
A short-term, advanced course in character animation and design using 3D Studio Max software. Students continue to develop their skills in character animation, along with exploring 3D Studio Max’s powerful tools to create complex set designs with maps, textures, and lighting. Offered credit/no-credit only and not degree applicable. (Formerly DAT 083).
ANIM 085 APPLICATIONS: MAYA I
Units: 1.00
1.00 hours lecture weekly
A short-term introduction to the basics of Maya 3D animation software. Includes Maya and 3D terms, as well as understanding how Maya nodes work with basic modeling and animation controls. Part 1 of 3 courses; offered credit/no-credit and not degree applicable. Recommended preparation: Basic computer skills. (Formerly DAT 085).

ANIM 086 APPLICATIONS: MAYA II
Units: 1.00
1.00 hours lecture weekly
Prerequisite: ANIM 085 OR DAT 085
Corequisite: ANIM 091L
A short-term intermediate course in design and modeling using 3D animation software MAYA. Students learn how to design and explore detailed textures, cameras, lighting, intermediate surfaces, intermediate modeling of polygons and NURBS. 2nd in the the series. Offered credit/no credit and not degree applicable. (Formerly DAT 086)

ANIM 087 APPLICATIONS: MAYA III
Units: 1.00
1.00 hours lecture weekly
Prerequisite: ANIM 086 OR DAT 086
Corequisite: ANIM 091L
A short-term advanced course in character animation and design through the popular tool MAYA. Students learn how to design and texture, along with exploring MAYA’s tools to produce head and body modeling, inverse kinetics and animation constraints. Part 3 of series. Offered credit/no-credit and not degree applicable. (Formerly DAT 087)

ANIM 091L SHORT-TERM OPEN ANIMATIONS LAB
Units: 0.50
1.50 hours lecture weekly, May be taken 4 times for credit
A short-term open animation lab for currently enrolled Design Arts Technology students who wish to increase their skills through the use of the computer animation lab. Offered credit/no-credit and not degree applicable. (Formerly DAT 091L).

ANIM 092L OPEN ANIMATIONS LAB
Units: 1.00 – 2.0
1.00 hours lecture weekly, May be taken 4 times for credit
Recommended Prep: Concurrent enrollment with another animation production course.
An open lab for the currently enrolled animation student who wishes to increase skills through the computer animation lab. Offered credit/no-credit and not degree applicable. (Formerly DAT 092L).

ANIM 101 INTRODUCTION TO ANIMATION
Units: 3.00 - CSU
3.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Recommended Preparation: ART 124B.
The principles of animation, laws of motion, timing, analysis and the production of a short animated narrative video. Traditional drawing methods will be used. Recommended preparation: ART 124B (Formerly DAT 184).

ANIM 120 STORY DEVELOPMENT AND STORYBOARDING
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
A computer-based introduction to story development and storyboarding for animation. Emphasis is on storyboarding as well as the understanding of traditional story structure for animated film, television and Internet. Staging, dramatic structure, film narrative, clarity and continuity is applied to hands-on projects. Students also explore a variety of storyboarding styles, from the realistic to stylized boards. (Formerly DAT 185)

ANIM 130 INTERACTIVE 2D COMPUTER ANIMATION
Units: 3.00 - CSU
3.00 hours lecture weekly
Corequisite: ANIM 092L
Recommended Preparation: Basic Computer Skills.
An introduction to interactive 2D computer animation. Drawing tools, bitmaps, symbols, layers, animation and basic interactivity is utilized to create a short 2D animated interactive movie.
ANIM 140 INTRODUCTION TO 3D STUDIO MAX ANIMATION
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Corequisite: ANIM 092L
An introduction to 3D computer design, modeling, textures, and animation through the use of 3D Studio Max software. 3D models and animations with light, sounds, and textures will be explored. Students create character animation, construct set designs, and complete an independent project. Basic computer skills are assumed. (Formerly DAT 187).

ANIM 141 INTRODUCTION TO 3D COMPUTER ANIMATION: MAYA
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Corequisite: ANIM 092L.
An introduction to 3D computer design, modeling, textures and character animation through the use of Maya software. Understanding how Maya nodes work with basic modeling and animation controls. Learning how to design and explore detailed textures, cameras, lighting, intermediate surfaces, intermediate modeling of polygons and NURBS. Head and body modeling, inverse kinetics and animation constraints.

ANIM 190 ANIMATION PRODUCTION
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Prerequisite: ANIM 101 or DAT 184.
Pre-production, production and post-production techniques are examined through the completion of a collaborative animated project.

ANIM 201 ADVANCED ANIMATION
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Prerequisite: ANIM 101 or DAT 184.
An in-depth examination of hand drawn character animation and its techniques. Students will complete advanced animation exercises, as well as design and produce a short animated file. (Formerly DAT 281).

ANIM 221 LAYOUT FOR ANIMATION
Units: 3.00 - CSU
3.00 hours lecture weekly
A study of design, composition, perspective, atmospheric, psychological lighting, and camera placement. Knowledge is applied to the construction of scenes, the congruency of sequences, and the designing of backgrounds for animation. (Formerly DAT 285)

ANIM 222 CHARACTER AND PROP DESIGN FOR ANIMATION
Units: 3.00 - CSU
3.00 hours lecture weekly
Recommended Preparation: ART 124B
Prop and character design for animation. Students learn construction techniques for models that have individual appeal and also contribute to the story as a whole. Emphasis is placed on emotional content and clarity of design, as well as technical conventions.

ANIM 240 ADVANCED 3D STUDIO MAX/ANIMATION
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Prerequisite: ANIM 140 or DAT 87
Corequisite: ANIM 092L
Recommended preparation: ANIM 101 or DAT 184
Covers advanced concepts for producing 3D computer models and animations. Character and architectural animations are produced using lighting, sound, and texture. Students produce an independent project in 3D Studio Max. (Formerly DAT 287).

ANIM 241 ADVANCED MAYA ANIMATION
Units: 3.00 - CSU
3.00 hours lecture weekly
Prerequisite: ANIM 141
Corequisite: ANIM 092L
A comprehensive exploration of 3D computer design, modeling, textures and character animation through the use of Maya software. Students collaborate in creating team projects, designing characters and animation.
ANIM 280 ANIMATION PORTFOLIO
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Prerequisite: ANIM 201 or DAT 281
Students organize and prepare an animation portfolio in a professional manner. Emphasis is on evaluating the selection of work as well as improving construction and design of presentation. Career options and employment opportunities will be examined. (Formerly DAT 289).

ANTHRO 103 CULTURAL ANTHROPOLOGY
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
CAN: ANTH 4
A study of the nature of humankind, culture and society. Includes concepts and theories for the analysis and understanding of culture and society. Survey of topics such as prehistory and culture growth, social organization, family systems, politics and economics, war, religion, values, culture shock and applied anthropology. Combines lectures and class discussions with in-depth studies of selected cultures.

ANTHRO 101 PHYSICAL ANTHROPOLOGY
Units: 3.00 - UC:CSU
2.00 hours lecture weekly
CAN: ANTH 2
The study of humans and the lower primates primarily from the biological perspective covering a period of approximately 70 million years. Deals with human population genetics in the conceptual framework of evolutionary processes. Includes primate behavior, primate evolution and comparison, and the study of fossil humans. Concludes with the analysis of the concepts of race formation and classification in terms of human population genetics.

ANTHRO 101 PHYSICAL ANTHROPOLOGY LABORATORY
Units: 1.00 - UC:CSU
3.00 hours lab weekly
Co-requisite: ANTHRO 101
Provides a hands-on scientific study of human evolution and variation. Students conduct lab work on human and non-human primate lab specimens using physical anthropology methods, materials and techniques. Includes DNA, blood and protein samples, measurement and comparison of skeletal materials and fossil casts and the performance of standard anthropometric measurements of human subjects. Includes observation of primate behavior in a zoo or research setting through a required one-half day field trip.

ANTHRO 210 INDIANS OF CALIFORNIA
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A survey course aimed at reviewing the main cultural aspects of the California Indians, including the prehistory, modes of subsistence, social organization, customs, and geographical and historical relationships of the native people of California and draws upon ethnological, ethnographical, historical and archaeological materials.
ART

ART 091 ART/DESIGN LAB
Units: 1.00-2.00
3.00 hours lab weekly. May be taken 4 times for credit
An open lab for the currently enrolled art student who
wishes to increase skills through the use of the art-
design lab facility. Course is offered on a credit/no-cred-
it basis and not degree applicable.

ART 095 PROFESSIONAL SKILLS FOR
ARTISTS
Units: 3.00
1.00 hours lecture weekly, 6.00 hours lab weekly
Emphasizes the development of skills and artwork pres-
tentation for a professional artist or art director. Topics
covered in an applied approach include photographing
artwork, matting, framing, resume writing, constructing
canvas supports, crating and shipping artwork, installa-
tion and lighting, publicity, slide and portfolio presentation.

ART 110 HISTORY OF ART:
PALEOLITHIC TO RENAISSANCE
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
The first in a series of two survey classes in art history.
In this course the student will be able to study major
works of art through reproductions made available in
pictures and slides. The emphasis is placed on major
monuments of art in painting, sculpture, and architec-
ture of the western world from prehistoric times until the
Renaissance. (Formerly ART 111).

ART 111 HISTORY OF ART:
RENAISSANCE TO THE PRESENT
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
The second in a series of two survey classes in art histo-
ry. In this course the student will be able to study major
works of art through reproductions made available in pic-
tures and slides. The emphasis is placed on major monu-
ments of art of the western world from the Italian
Renaissance through the present. (Formerly ART 112).

ART 113 CONTEMPORARY AMERICAN
ARTISTS
Units: 3.00 - CSU
3.00 hours lecture weekly
Designed to acquaint fine arts majors with American
contemporary artists and their styles from the develop-
ment of the New York School to the present. The stu-
dent will confront his/her own works as well as profes-
sional works and evaluate them in the stream of con-
temporary American art history. Topics may range from
studio problems to gallery procedures.

ART 114 ART HISTORY: FIELD TRIPS
Units: 1.50 - CSU
1.50 hours lecture weekly, May be taken 4 times for credit
This is an eight-week course of museum, gallery and stu-
dio visits which may include the Museum of
Contemporary Art, Los Angeles County Museum of Art,
Norton Simon Museum, J. Paul Getty Museum,
Bergamont Station, UCLA’s Armand Hammer Museum,
Huntington Library and Gardens, and the Pacific Design
Center. The course will include interactive discussions
and projects with students, faculty, gallery professionals
and artists. Different lectures and exhibits each semester.

ART 124A DRAWING I
Units: 3.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly CAN:
ART 8
The beginning course in drawing experiences empha-
sizes (1) basic drawing techniques in a variety of media
and (2) compositional and design fundamentals.

ART 124B DRAWING II
Units: 3.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
Deals primarily with the human figure. Studies will be
made of the human skeletal and muscular structure as
well as the posed model. There will be continued
emphasis on the development of drawing skills as well
as on proportion, form and gesture.
ART 133 HISTORY OF GRAPHIC DESIGN
Units: 3.00 - CSU
3.00 hours lecture weekly
A survey of the origin and evolution of the graphic arts, from the printing press to the computer. Emphasis is placed upon the pioneers of graphic design and their role in the progress and development of the graphic arts as we know them today. This course covers a wide range of graphic design communication, including the development of typography, newspapers, advertising, poster design, illustration, corporate identities and trademarks. Students will develop an understanding of past and present industry practices and learn about the graphic designers that are leading the way into the next century.

ART 140 BEGINNING DESIGN: 2D MEDIA
Units: 3.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
A study of the elements and principles of design with special emphasis on structure, color and 2-D composition through experimental media; provides basic fundamentals for 2-D oriented art courses.

ART 141 BEGINNING DESIGN: 3D MEDIA
Units: 3.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
Continued study of elements and principles of design through experimental projects in 3-D materials. Provides basic fundamentals for 3-D oriented art courses.

ART 142 GALLERY PRACTICES
Units: 3.00 - CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
The study of techniques of exhibition and graphic design. The course deals with problems of design and production through work on assignments for gallery exhibitions, i.e., exhibition management, scheduling, receiving and delivery, display, brochure design, documentation, advertising, reception. The College art gallery will be utilized as a lab.

ART 148 COLOR THEORY
Units: 3.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
An introduction to the study of color and color harmony in an intense and comprehensive manner. Emphasis is placed upon an interdisciplinary inquiry into theories of color harmony from the point of view of art theory, psychology and physiology. Course content utilizes relatively new scientific discoveries, as well as historical material and is selected to demonstrate the unique and potent properties of color.

ART 205 LANDMARKS OF ART
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
In exposing the student to visual art reproductions, this course offers a means of stimulating the student's visual, emotional and intellectual awareness of the artistic heritages of world art without a chronological approach. The course is designed to acquaint the individual with the work of the great masters both past and present, as well as the manner by which their art products were formed and organized.

ART 220 BEGINNING WATERCOLOR
Units: 3.00 - UC:CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
A beginning course in the use of transparent watercolor media that will include instruction in the techniques of wet into wet, dry brush, glazing and direct painting applications. Emphasis will be placed upon creative application and composition.

ART 222 ILLUSTRATION I
Units: 3.00 - CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
Illustration I is an introductory course designed to teach students the materials and techniques used by commercial illustrators. Projects emphasize concept development, style, imagery, and illustrative communication for use in and in combination with advertising, editorial print media, and various publications. A variety of media will be used, including the use of the Macintosh computer for computer-aided illustration. Computer programs used: Illustrator and Freehand. Students will become familiar with current practices in the illustration field, past and current illustrators, and have an understanding of the
aspects of choosing a career in illustration. Projects are designed to meet professional standards.

**ART 224A DRAWING III - LIFE DRAWING**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 3 times for credit
Life drawing: study and graphic representation of the human figure with the use of professional posed models. Special emphasis on structure of skeletal and muscular systems.

**ART 227 PAINTING I**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
The beginning course in painting technique, pictorial design and composition. Experimentation with various media: i.e., collage, inks, oil, pastel, watercolors, temperas, acrylics, and others.

**ART 228 PAINTING II**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Emphasis on painting techniques, pictorial design and creative interpretation. Continued use of oil paints as well as other experimental media.

**ART 235 SCULPTURE**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
An introduction to the study of plastic form through the processes of modeling, casting, carving, and construction.

**ART 236 SCULPTURE II**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Advanced casting techniques in various materials. Additive and subtractive techniques are further explored.

**ART 237 FUNDAMENTALS OF PRINTMAKING**
Units: 4.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
Introduction to materials and techniques of monoprint, silkscreen and relief printing techniques including woodcut and linoleum.

**ART 238 PRINTMAKING (INTAGLIO)**
Units: 4.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 2 times for credit
Prerequisite: ART 237
Introduction to intaglio printmaking techniques and image development, including etching, engraving, dry-point, and aquatint. Students will also learn about the history and process of printmaking.

**ART 244 ADVERTISING GRAPHICS**
Units: 3.00 - CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
Introductory survey to the field of advertising design. Emphasis on principles and skills using a broad approach in presenting materials, techniques and concepts.

**ART 250 FINE ART PHOTOGRAPHY**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
Introduces students to photography as an aspect of contemporary art practices and as an art form. The aesthetic concerns learned in Beginning Design will be applied to photography. Basic technical skills of black and white photography will be covered, including camera operations, photographic chemistry and mathematics; optics and the physics of light; compositional lighting; film processing, printing and mounting of finished prints. Through slide presentations, reading historical and theoretical texts, and visiting local collections students will learn to critically analyze photographs, in terms of content, aesthetics, and historical issues. This course is designed to prepare students for further work in photography or for collaboration with other media, including computer arts, graphic design, illustration and two-and three-dimensional mixed media. STUDENTS MUST HAVE A 35mm NON-AUTOMATIC CAMERA. UC credit limitations; consult a counselor.

**ART 295 PROFESSIONAL SKILLS FOR ARTISTS**
Units: 3.00 - CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
Emphasizes developing business skills and presenting artwork as a professional artist or art director. In an applied approach, covers photographing
and documenting artwork, matting, framing, crating and shipping artwork, installation and lighting, résumé writing, publicity and slide presentation, preparation of invoices and taxes, bookkeeping for artists, contracts, copyright law and portfolio presentation. Completion of at least 12 units of art department course offerings is expected as this course is a bridge between completion of coursework and entry into the professional world or transfer to an institution of higher learning.

**ASTRONOLOGY**

**ASTRON 100 GENERAL ASTRONOMY**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Survey of the content and dynamics of the solar system; the earth and its motions; time and the calendar; moon, eclipses, and tides; physics of the sun, planets, comets and meteorites, including their dynamical aspects and motions. Principles, logic, and development of stellar astronomy. Physics of the stars, stellar type populations, and stellar evolution; stellar organizations, galaxies, and cosmology. UC credit limitation, consult a counselor.

**ASTRON 101 THE STELLAR SYSTEM**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
The scientific method, ancient and Renaissance astronomy (Copernicus through Newton); the earth and its motions, seasons, time and the calendar; the moon, eclipses, and tides; electromagnetic radiation; tools of the astronomer; physics of the sun. Principles, logic and development of stellar astronomy. Physics of the stars, stellar types, populations, and stellar evolution; stellar organizations, galaxies and cosmology.

**ASTRON 102 THE SOLAR SYSTEM**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
The earth and its motions, seasons, the moon, eclipses, and tides; the content and dynamics of the solar system; planets and their satellites, including their physical and dynamical properties, their differences and similarities both with respect to one another and to the earth-moon system; asteroids, comets, and meteorites; the evolution of the solar system.

**ASTRONOMY • BIOLOGICAL SCIENCES**

**BIOSCI 050 BIOLOGY COMPUTER LABORATORY**
Units: 0.50
1.50 hours lab weekly, May be taken 2 times for credit
This course is an open-access, computer laboratory to accompany and support existing courses in the Biological Sciences. This course will enable students to develop additional competency during enrollment in other biology courses. Units do not apply to the associate degree; offered credit/no-credit.

**BIOSCI 100 GENERAL BIOLOGY**
Units: 4.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
A non-majors, general education, biology course designed to familiarize the student with the nature of science, and basic biological concepts including: cell structure and processes, energetics in living systems, heredity, development, evolution, diversity, and environmental relationships. UC credit limitation, consult with counselor.

**BIOSCI 106 ORGANISMAL & ENVIRONMENTAL BIOLOGY**
Units: 4.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
Introduction to organismal and environmental biology, cell theory, patterns of reproduction, embryological and organ development in major plant and animal groups, behavior, Mendelian genetics, population genetics, diversity of plants and animals, classification, and principles of ecology and evolution. Note: May not receive credit for this course if credit has been received for BIOSCI 215 or 216.

**BIOSCI 107 MOLECULAR & CELLULAR BIOLOGY**
Units: 4.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
Introduction to the principles of bioenergetics, molecular structure, function and evolution, cell morphology, anatomy and physiology.
BIOLOGICAL SCIENCES

BIOSCI 120 WOMEN & MINORITIES IN SCIENCE & MATH
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
This interdisciplinary course explores the significant contributions of a broad array of individuals in biological, scientific and mathematics fields. It examines case studies of women and people of diverse ethnic backgrounds who have made important discoveries and contributions to our understanding of science and mathematics.

BIOSCI 125 INTRODUCTORY SCIENCE PROCESS LAB
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Introduces the student to basic concepts of laboratory methodology and the techniques commonly used in science labs. The course will prepare students to continue on in science laboratories at the college level and to become familiar with the types of science careers involving laboratory work. Does not meet transfer lab requirements for CSU.

BIOSCI 130 CONTEMPORARY ISSUES IN ENVIRONMENTAL BIOLOGY
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Designed for non-majors, the course explores the global problems facing society today. Students will be introduced to basic ecological principles, current environmental issues such as pollution (air, water and soil), global warming, deforestation and the impact of human population growth on the earth’s environment and possible solutions to these problems.

BIOSCI 140 PRINCIPLES OF HUMAN GENETICS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Designed for non-major to introduce the principles of human genetics. The structure and function of DNA, genes and chromosomes are explored along with patterns of inheritance. Topics include human genetic disorders, mutations, cancer, cloning, aging and stem cells. Applications of genetics in medicine and law enforcement will be discussed.

BIOSCI 202 INTRODUCTION TO HUMAN PHYSIOLOGY
Units: 4.00 - CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
Prerequisite: BIOSCI-107
A lower division physiology course to develop a general understanding of the functioning of the human body, including cells and membranes, nerve and muscle function, cardiovascular, respiratory, gastrointestinal physiology, metabolism, endocrinology and reproduction. Students gain experience in the use of standard and computerized physiological equipment.

BIOSCI 204 HUMAN ANATOMY/PHYSIOLOGY I
Units: 4.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
Prerequisite: BIOSCI 107
First course of a two-semester sequence. Structure and function of the human body. UC credit limitation; consult a counselor.

BIOSCI 205 HUMAN ANATOMY & PHYSIOLOGY II
Units: 4.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
CAN: BIOL SEQ B
Prerequisite: BIOSCI 204
Second course of a two-semester sequence. Structure and function of the human body. UC credit limitation: consult a counselor.

BIOSCI 215 GENERAL ZOOLOGY
Units: 4.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
Recommended preparation: BIOSCI 107
Survey of the animal kingdom with emphasis on integrating mechanisms at the cellular, organismic, and population levels. Included are cell organization, morphology, and comparative development (anatomy/physiology) with principles of population biology, population genetics, evolution and ecology.

BIOSCI 216 GENERAL BOTANY
Units: 4.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
Recommended preparation: BIOSCI 107
The morphology, anatomy, physiology, and taxonomy of members of the plant kingdom with emphasis on seed-
bearing plants. Includes principles of plant genetics, population biology, and plant ecology.

**BIOSCI 218 INTRODUCTION TO OCEANOGRAPHY**

Units: 4.00 - CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
Emphasis is placed on a qualitative knowledge of the principles and processes governing the ocean, and its interaction with the physical and biological environment. Topics covered include: history of oceanography, geological, chemical, biological and physical oceanography. Field trips will be required to fulfill the objectives of this course.

**BIOSCI 219 MARINE BIOLOGY**

Units: 4.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
A study of the description, distribution and natural history of marine organisms. Marine life of coastal California will be studied with an emphasis on ecology and adaptations. Field trips will be required to fulfill the objectives of this course.

**BIOSCI 221 INTRODUCTION TO MICROBIOLOGY**

Units: 5.00 - UC:CSU
3.00 hours lecture weekly, 6.00 hours lab weekly
CAN: BIOL 14
Prerequisite: BIOSCI-107
An introduction to the biology of microorganisms (bacteria, viruses, protozoa, parasitic worms, algae, fungi), their significance, and their role in human affairs.

**BIOSCI 230 INTRODUCTION TO BIOTECHNOLOGY**

Units: 5.00 - UC:CSU
3.00 hours lecture weekly, 6.00 hours lab weekly
This biological science course introduces the student to the basic concepts and techniques of modern molecular biology. DNA manipulation, its research, uses, and applications, will be presented and explored.

**BIOSCI 231 ADVANCED TOPICS IN BIOTECHNOLOGY**

Units: 5.00 - CSU
3.00 hours lecture weekly, 6.00 hours lab weekly
A continuation of BIOSCI 230 including advanced techniques and topics in biotechnology. Students will

**BUSINESS**

**BUS 090 TECHPREP – CAREERS IN BUSINESS**

Units: 2.00
2.00 hours lecture weekly
Offers students the opportunity to explore business career path clusters in several broad areas. Students examine basic skills common to the occupational cluster, core skills for, or knowledge of, an industry and identify specific occupational skills relevant to their selection of an initial career path goal.

**BUS 100 INTRODUCTION TO BUSINESS**

Units: 3.00 - UC:CSU
3.00 hours lecture weekly
The role and function of business enterprise within the
U.S. economic framework. Includes organization, finance, marketing, personnel administration, production, and economics. Designed primarily to help students understand and select a field of business specialization.

**BUS 101 BOOKKEEPING & ACCOUNTING I**
Units: 5.00 - CSU
5.00 hours lecture weekly
An introductory course in the theory and application of double-entry bookkeeping for the non-transfer business major. Covers the accounting cycle for both service and merchandising sole-proprietorship firms, including the use of ledgers, worksheets, and special purpose journals.

**BUS 103 INTRODUCTION TO INTERNATIONAL BUSINESS**
Units: 3.00 - CSU
3.00 hours lecture weekly
A combination of global business theory as affected by cultural, political, legal, and international economic factors with instruction on government regulation, foreign market analysis, exporting, and importing. Internet applications are utilized to familiarize the student with available international business and government resources. Case studies are emphasized to demonstrate the practical applications of course subject matter.

**BUS 110 PRINCIPLES OF MANAGEMENT**
Units: 3.00 - CSU
3.00 hours lecture weekly
The fundamental functions of modern management in a changing world with an emphasis on planning, leading, organizing, and control functions with practical applications. Topical areas include: leadership in management, motivation, communication, managing cultural diversity, team decision-making, management by objectives, the organization's environment, planning and strategic management, control process, organizational structure, and managing organizational change.

**BUS 117 BUSINESS ENTREPRENEURSHIP**
Units: 3.00 - CSU
3.00 hours lecture weekly
An analytical and practical perspective on entrepreneurship and the management of a small business to remain on the cutting edge. Includes a comprehensive analysis of establishing, marketing, financing, promoting, insuring, developing and staffing a small business.

**BUS 126 MANAGING DIVERSITY IN THE WORKPLACE**
Units: 3.00 - CSU
3.00 hours lecture weekly
Students will analyze and develop an understanding of the effects of increasing diversity in the workplace. Focuses on the benefits and challenges to management and staff presented by diversity of gender, race, ethnicity, national origin, sexual orientation, and other differences. Organizational and interpersonal strategies for working effectively are examined along with developing skills for the creation of productive and diverse business environments.

**BUS 132 NEGOTIATION AND CONFLICT RESOLUTION**
Units: 3.00 - CSU
3.00 hours lecture weekly
An analysis of organizational conflict strategies for effective resolution with concentration on internal and external sources of conflict. The methods of non-litigation resolution studied include arbitration, mediation, and mini-trial. The basic theoretical models from the field of social psychology are examined and students practice utilization of the methodologies by performing in-class exercises.

**BUS 140 PRINCIPLES OF MARKETING**
Units: 3.00 - CSU
3.00 hours lecture weekly
Provides students with an understanding of the fundamental concepts of modern marketing in a changing world. It will primarily emphasize consumer markets, but will also cover organizational markets. Topics include creating customer value and satisfaction, consumer and organizational buying behavior, market research, market strategy, target market analysis, the global marketing environment, electronic marketing, and sales techniques, with particular emphasis on the marketing mix, including product, pricing, promotion and distribution decisions.

**BUS 141 PRINCIPLES OF ADVERTISING**
Units: 3.00 - CSU
3.00 hours lecture weekly
Provides students with an understanding of the fundamental concepts of modern advertising in the current business environment. Topics include: the role of advertising, its relation to the marketing mix, psychological
and socio-cultural influences on consumer buying behavior, advertising research and strategy, target market analysis, the global marketing environment, electronic advertising, media selection, creative advertising message design, and integrated marketing. Primary emphasis is on planning an advertising campaign and communicating ideas using advertising techniques.

**BUS 142 PRINCIPLES OF SELLING**
Units: 3.00 - CSU
3.00 hours lecture weekly
Provides students with an understanding of the basic concepts of selling in the current business environment. Topics include selling strategies in the new economy, the relation of selling to the marketing mix, the forces influencing customer buying behavior, customer prospecting, creating an effective sales presentation, the global selling environment, electronic selling, communication styles, sales servicing, and sales force management. Emphasis is on developing effective selling strategies and on helping students to build confidence in their own ability to sell and make sales decisions.

**BUS 144 BUSINESS MATHEMATICS**
Units: 5.00 - CSU
5.00 hours lecture weekly
Prerequisite: Satisfactory completion of Math-025 or appropriate math placement as determined by the COC assessment process.
Basic mathematics used in typical accounting, financial, and merchandising transactions. Emphasis is on analyzing word problems, selecting appropriate mathematical procedures, and solving the requisite algebraic equation. Extensive use of real-world business problems in the areas of cash and trade discounts, markup and markdown, compound interest, annuities, loan amortizations, inventory control, depreciation, insurance, investments, and financial statement analysis. This course meets the associate degree graduation requirements for mathematics and serves as a solid preparation for students entering the accounting program.

**BUS 154 FINANCE**
Units: 3.00 - CSU
3.00 hours lecture weekly
A comprehensive introduction to personal and financial planning. The concepts, tools, and applications of individual finance are applied within a financial planning process that covers: developing and prioritizing goals; money management; credit management; investment alternatives; retirement planning; housing decisions; tax planning; risk management/insurance and estate planning.

**BUS 156 INTRODUCTION TO INVESTMENTS**
Units: 3.00 - CSU
3.00 hours lecture weekly
An introduction to the principles of investing and money management. Introduces students to the various types of financial assets an investor must choose from, their institutional setting, and valuation.

**BUS 160 BUSINESS ETHICS**
Units: 3.00 - CSU
3.00 hours lecture weekly
Presents different schools of ethical thought applicable in the business environment. Students are exposed to the types of ethical issues that are presented in a commercial atmosphere and the methodologies used to determine appropriate courses of conduct. Current cases and fact scenarios are presented along with historical examples to demonstrate their effect on contemporary ethical dilemmas in addition to comparing how business morality has evolved.

**BUS 185 PRINCIPLES OF IMPORTING AND EXPORTING**
Units: 3.00 - CSU
3.00 hours lecture weekly
An analysis of the basic aspects of importing and exporting, which provides the students with a working knowledge of terms and techniques essential to operating an import/export business.

**BUS 190 PRINCIPLES OF ELECTRONIC COMMERCE**
Units: 3.00 - CSU
3.00 hours lecture weekly
Involves the study of the fundamental theoretical and practical issues of electronic commerce. Deals with policies, management, and the particular problems of implementing and managing electronic commerce systems. Also examines the ways in which electronic commerce is currently being used by business, consumers, and non-profits. Topics include Web-based technologies, electronic data interchange, Internet infrastructure, value chains, strategies for marketing and promotion, new business models, electronic payment systems, and
security, privacy, legal, ethical, and tax issues. Same course as BUSINF 190 and CIT 190.

BUS 201 PRINCIPLES OF ACCOUNTING I
Units: 5.00 - UC:CSU
5.00 hours lecture weekly
CAN: BUS 2
Prerequisite: Appropriate math placement as determined by the COC assessment process. Eligibility for Math 060.

Fundamental principles, theory and application of accounting through the use of journals, ledgers, and worksheets. Covers the entire accounting cycle for both sole-proprietorships and partnerships, including the preparation and analysis of financial statements. Designed for transfer majors in business disciplines.

BUS 202 PRINCIPLES OF ACCOUNTING II
Units: 5.00 - UC:CSU
5.00 hours lecture weekly
CAN: BUS 4
Prerequisite: BUS 201, with grade C or higher.

A continuation of the basic accounting theories and practices covered in BUS 201, expanding the use of financial and managerial accounting concepts used to make business decisions. Designed for transfer majors in business disciplines.

BUS 206 COMPUTERIZED INCOME TAX ACCOUNTING
Units: 3.00 - CSU
3.00 hours lecture weekly
Prerequisite: BUS 101 or BUS 201.

Provides a study of federal tax laws needed to complete an individual tax return and to implement tax planning concepts. The emphasis is on the application of the tax laws including the use of tax preparation software.

BUS 211 BUSINESS LAW
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Introduces the legal setting of business including the classification of civil actions and business crimes; examines state and federal court systems; in addition to the detailed study of contracts, torts, employment, and property law among other topics.

BUS 291 STATISTICAL METHODS IN BUSINESS AND ECONOMICS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Prerequisite: MATH 070.

A course in descriptive statistics, elements of probability, probability distributions, sampling estimation, confidence intervals, tests of hypothesis, linear regression and correlation. Applications to problems in business and economics. Writing and the use of spreadsheet software are required. Same as ECON 291.

CHEMISTRY

CHEM 110 INTRODUCTORY CHEMISTRY
Units: 4.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
Prerequisite: MATH 060

An introduction to chemistry and chemical laboratory techniques and methods, including a survey of important chemical principles, a description of the elements, and their compounds. Nomenclature and formula writing as well as biological applications of chemistry will be emphasized. Course is for non-majors. UC credit limitations; consult a counselor.

CHEM 151 PREPARATORY GENERAL CHEMISTRY
Units: 4.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
Prerequisite: Appropriate Math placement as determined by the COC assessment process or Math 060 with a grade of C or better.

A preparatory course for Chemistry 201. Intensive foundation in problem-solving, basic atomic theory, stoichiometry, nomenclature, states of matter, and solution chemistry. Computer applications in chemistry: scientific word processing, spreadsheets, statistical treatment of data, graphing, Internet search techniques. Laboratory experiences will enforce principles learned in lecture and will familiarize students with proper handling and maintenance of gravimetric and volumetric equipment. UC credit limitations; consult a counselor.
CHEM 201 GENERAL CHEMISTRY I
Units: 6.00 - UC:CSU
5.00 hours lecture weekly, 3.00 hours lab weekly
CAN: CHEM 2
Prerequisite: Two years of high school algebra with a grade of C or better or appropriate math placement as determined by the COC assessment process or Math-070 with a grade of C or better and high school chemistry with a grade of C or better or CHEM 151 with a grade of C or better.
Required of all majors in chemistry and most other fields of science or technology. Knowledge of calculus will be useful, but is not required. Lecture: Stoichiometry and atomic theory; molecular theory of gases and the gas laws, theoretical aspects of liquids and solids, solutions and colligative properties, electrochemistry, thermochemistry and thermodynamics. Laboratory: Use of analytical balance, stoichiometry, molecular and equivalent weights; use of volumetric equipment. Precise gravimetric and volumetric analysis and an introduction to qualitative analysis. All students are required to write a research paper and learn how to use a personal computer in statistical data treatment and present the results in graphical form. UC credit limitations; consult a counselor.

CHEM 202 GENERAL CHEMISTRY II
Units: 5.00 - UC:CSU
3.00 hours lecture weekly, 6.00 hours lab weekly
CAN: CHEM 4 (CHEM 201 + CHEM 202)
Prerequisite: CHEM 201 with a grade of C or better.
A continuation of Chemistry 201. Lecture: Acid base equilibria, solubility products, coordination compounds, quantum mechanics, periodic properties of the elements, nuclear chemistry, advanced qualitative analysis and an introduction to organic chemistry. Laboratory: Kinetics, equilibria, qualitative analysis, and an introduction to instrumental analysis.

CHEM 221 QUANTITATIVE ANALYSIS
Units: 4.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
CAN: CHEM 12
Prerequisite: CHEM 201
An introduction to the theories and techniques of gravimetric, volumetric and spectrophotometric analysis. Laboratory work consists primarily of applying principles taught in lecture to the analysis of unknown samples.

CHEM 255 ORGANIC CHEMISTRY I
Units: 5.00 - UC:CSU
3.00 hours lecture weekly, 6.00 hours lab weekly
Prerequisite: CHEM 201 with a grade of C or better.
Primarily for majors in the physical and biological sciences. The study of various classes of aliphatic, aromatic and heterocyclic compounds with emphasis on modern concepts of structure and reactivity. The accompanying laboratory is devoted to the study of basic physical properties plus the synthesis and identification of organic compounds using modern instrumentation.

CHEM 256 ORGANIC CHEMISTRY II
Units: 5.00 - UC:CSU
3.00 hours lecture weekly, 6.00 hours lab weekly
A continuation of Chemistry 255 with emphasis upon biochemical processes. The classes of compounds most important to biological functions: amino acids, carbohydrates, proteins, lipids, nucleic acids, etc. The laboratory work includes multistep synthesis; purification and characterization of biological macromolecules; spectrophotometry; catalysis; chromatography, etc.

CHILD DEVELOPMENT SEE EARLY CHILDHOOD EDUCATION

CINEMA

CINEMA 120 FILM AESTHETICS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A critical survey, with examples, of the motion picture both as a medium of mass communication and as a developing art form. Analyzes representative feature films as to genre, technique, aesthetics, and sociological impact. Designed as an introductory course.

CINEMA 122 HISTORY OF CINEMA
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An historical survey and critical analysis of motion picture masterpieces from their inception to the present. A study of these representative films will reveal ideas and values that are reflected and emphasized through artistic techniques.
CINEMA 125A WOMEN IN FILM
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A critical survey of women in films with examples of the motion picture, both as a medium of mass communication and as a developing art form. Particular emphasis will be placed on the traditional view of women and their relationships with the ‘big-three’ of the women’s film world - men, marriage, and motherhood. Analyzes representative feature films as to genre, technique, aesthetics, and sociological impact. An introductory course.

CINEMA 125B GREAT DIRECTORS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A critical examination of selected masters of the cinema. Each offering, as listed in the class schedule, will explore the works of such masters as Ford, Hitchcock, Wells, Kurasawa, and Bergman. Analyzes a sampling of the filmmaker’s work and the impact of their work on the art form and society. An introductory course.

CINEMA 125C
Units: 3.00 - UC:CSU
3 hours lecture weekly
A critical examination of a selected genre of the cinema. Each offering, as listed in the class schedule, will explore film genres such as the western, horror film, film noir, the war film, the crime film, and the musical. Analyzes a sampling of the genre and its aesthetics. Designed as an introductory course.

CINEMA 125D CROSS-CULTURAL PERSPECTIVES IN CINEMA
Units: 3.00 - UC:CSU
3 hours lecture weekly
A critical examination of a selected master of the cinema from under represented ethnic groups. Each offering, as listed in the class schedule, will explore the works of such masters as Lee, Nave, and Wong. Analyzes a sampling of the filmmaker’s work and the impact of their work on the art form and society. An introductory course.

COMMUNICATION STUDIES

COMS 105 SPEECH FUNDAMENTALS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
CAN: SPCH 4
Examines the principles and practices of public speaking. Emphasis is on speech organization and development, research, audience, analysis, presentation skills, listening, and the use of language and ethics for the development of informative and persuasive speeches. (Formerly SPCOM 105).

COMS 150 ORAL INTERPRETATION
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Introduction to and practice in the art of reading aloud for effective use of voice and movement according to the style, mood, meaning and emotion of appropriate literature. Students may select adult literature (option A) or children’s literature (option B). (Formerly SPCOM 150)

COMS 151 RADIO/TV ANNOUNCING
Units: 3.00 - CSU
3.00 hours lecture weekly
Theory and practice in Radio/TV announcing for newscasts, commercials, sportscasts, and talk-show hosting; with a focus on developing the individual air personality. Open to majors and non-majors. (Formerly SPCOM 151).

COMS 190 FORENSICS
Units: 2.00-4.00 - CSU
1.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Preparation for competitive speech team. Studies in argumentation and debate, informative and persuasive speaking, and extemporaneous and impromptu speaking. Involves research and one-on-one training. Requires participation in interscholastic competition or community speakers bureau.
COMS 205 ADVANCED PUBLIC SPEAKING
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Prerequisite: SPCOM 105 or COMS 105
An advanced study in public speaking which builds on previously learned concepts. The focus will be on advanced principles of audience adaptation, analytical skills, critical thinking, and analysis of public discourse. Presentation skills will be enhanced through the presentation of various types of persuasive speeches. (Formerly SPCOM-205)

COMS 223 SMALL GROUP COMMUNICATION
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Explores the process of groups and decision-making through the practical application of theoretical concepts to a variety of group activities and public group discussion. Theories of group decision-making and leadership will be explored to analyze group interaction. Preparation for the workplace will be emphasized through critical thinking and problem solving, and successful group interaction. (Formerly SPCOM 223).

COMS 225 STRATEGIES OF ARGUMENTATION
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Studies the strategies used for rhetorical argument: finding issues, using evidence, and detecting fallacies in rhetorical communication; practice is given in the formulation, presentation and analysis of argument in oral communication. (Formerly SPCOM 225).

COMS 227 RHETORICAL STUDIES
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Provides an examination of the introductory principles of rhetorical theory and their application to the analysis and evaluation of public discourse. Emphasizes an understanding of the theories of rhetorical composition as well as methods used to critique persuasive discourse. Also prepares students to employ critical thinking skills through effective analysis, writing, and discussion of persuasive communication in the public sphere. (Formerly SPCOM 260)

COMS 246 INTERPERSONAL COMMUNICATION
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An introduction to theories and principles of interpersonal communication. The primary focus will be two-person communication, focusing on research in the areas of verbal and nonverbal communication, perception, self-concept, communication climate, relationship satisfaction, conflict, and self-disclosure. Theories of relationship development within committed relationships, family, and friendship will be explored. (Formerly SPCOM 246).

COMS 250 PROCESS OF COMMUNICATION
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Analysis of the contemporary behavioral view of the scope and purpose of human communication, the factors involved in the process, and the role of language in human behavior. (Formerly SPCOM 250).

COMS 256 INTERCULTURAL COMMUNICATION
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
This course introduces students to the influence of communication variables, such as perception, language, and nonverbal processes in intercultural communication. Students will examine theories of intercultural communication and apply these theories to real and hypothetical intercultural encounters. (Formerly SPCOM 256).

COMS 260 COMMUNICATION & GENDER
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Provides an examination of communication styles of males and females in a variety of settings. Topics include male/female stereotypes and verbal/nonverbal patterns of communication. The implications for the ability to maintain effective personal and professional relationships will be addressed. Communication styles of men and women are compared and contrasted. Strategies for developing communication competence in the areas of family, friendship, courtship and marriage, education, media, and business also explored. (Formerly SPCOM 260)
CMPELC 110 INTRODUCTION TO MUSIC TECHNOLOGY
Units: 3.00 - CSU
3.00 hours lecture weekly, May be taken 4 times for credit
An introduction to the production of electronic music.
Topics covered, include operating systems and system software; data structures for computer information; the hardware mechanics of a computer; instructional software for musicians; acoustics data structures for sampling and MIDI; data structures for laser audio and video; hardware devices for music publishing; music notation software; software for music sequencing; MIDI hardware; software for creating, organizing, and editing sound; hardware for digital sampling and recording; software for communication; networking hardware; and multimedia hardware. (Same as MUSIC 110).

CMPELC 130 COMPUTER ELECTRONICS I
Units: 4.00 - CSU
3.00 hours lecture weekly, 3.00 hours lab weekly

CMPELC 134 INTRODUCTION TO INDUSTRIAL PROGRAMMING USING VISUAL BASIC
Units: 3.00 - UC:CSU 3.00 hours lecture weekly
An introduction to programming for industry. The goal is to equip students with the necessary skills to write programs in Visual Basic that will find application in the typical industrial environment. Topics include problem solving; fundamentals of programming; procedures; decisions; repetition; arrays; sequential files; graphical display; and the use of the Internet. The student will be capable of writing useful Visual Basic programs at the conclusion of the course.

CIT 010 EXPLORING COMPUTERS - BRIEF
Units: 1.50
1.00 hours lecture weekly, 1.50 hours lab weekly
A brief overview of computers, their usage, and how they function. Topics covered will include computer hardware, software, the Internet, as well as how to purchase, install, and maintain a personal computer. (Formerly BUSINF 040).

CIT 011 MICROSOFT WINDOWS - BRIEF
Units: 1.50
1.00 hours lecture weekly, 1.50 hours lab weekly
A short-term course providing an introduction to Microsoft Windows fundamentals. Topics include the basics of using a mouse, icons, Explorer, file management, windows manipulation, and multitasking (working with multiple programs simultaneously). (Formerly BUSINF 153A).

CIT 015 BUSINESS ENGLISH-BRIEF
Units: 1.50
1.00 hours lecture weekly, 1.50 hours lab weekly
A short-term introductory course in English language usage, grammar, and its applications in business communications. (Formerly BUSINF 092).

CIT 016 BUSINESS COMMUNICATIONS - BRIEF
Units: 1.50
1.00 hours lecture weekly, 1.50 hours lab weekly
A short-term introduction to writing principles and techniques, business vocabulary improvement, and experience in the composition of basic types of business communications. (Formerly BUSINF 091.)
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<td>CIT 011</td>
<td>Microsoft Windows - Brief</td>
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<td>CIT 015</td>
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<td>BUSINF 076</td>
<td>Introduction to Excel 97</td>
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<td>Microsoft Access - Brief</td>
<td>BUSINF 075</td>
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<td>CIT 065</td>
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**SPECIAL TOPICS: WORKSHOPS**

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<td>CIT 098A</td>
<td>Microsoft Windows Workshop</td>
<td>BUSINF 054</td>
<td>Introduction to Windows 98</td>
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<tr>
<td>CIT 098B</td>
<td>Microsoft Word Workshop</td>
<td>BUSINF 058</td>
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<td>CIT 098C</td>
<td>Microsoft Excel Workshop</td>
<td>BUSINF 056</td>
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<td>CIT 098D</td>
<td>Microsoft Access Workshop</td>
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<td>CIT 098E</td>
<td>Microsoft PowerPoint Workshop</td>
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<td>CIT 098F</td>
<td>Quicken Workshop</td>
<td>BUSINF 059</td>
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**TRANSFERABLE COURSES**

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<th>Units</th>
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<td>CIT 101</td>
<td>Computer Fundamentals</td>
<td>BUSINF 104</td>
<td>Intro to Computer Operations</td>
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<tr>
<td>CIT 105</td>
<td>Microsoft Windows</td>
<td>BUSINF 153</td>
<td>Computer Applications: Working with Windows</td>
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<td>CIT 110</td>
<td>Keyboarding &amp; Document Processing</td>
<td>BUSINF 106</td>
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<td>CIT 111</td>
<td>Advanced Document Processing &amp; Skillbuilding</td>
<td>BUSINF 107</td>
<td>Advanced Keyboarding on the Computers</td>
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<td>CIT 115</td>
<td>Business English</td>
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<td>CIT 116</td>
<td>Business Communications</td>
<td>BUSINF 220</td>
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<td>CIT 120</td>
<td>Office Procedures</td>
<td>BUSINF 145</td>
<td>Procedures for the Electronic Office</td>
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<td>CIT 125</td>
<td>Legal Procedures</td>
<td>BUSINF 147</td>
<td>Legal Procedures</td>
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<tr>
<td>CIT 130</td>
<td>Medical Office Procedures</td>
<td>BUSINF 136</td>
<td>Medical Office Procedures</td>
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<tr>
<td>CIT 131</td>
<td>Medical Transcription - Brief</td>
<td>BUSINF 137</td>
<td>Medical Transcription</td>
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<td>CIT 132</td>
<td>Medical Office Finances</td>
<td>BUSINF 138</td>
<td>Medical Office Finances</td>
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<td>CIT 135</td>
<td>The Internet</td>
<td>BUSINF 103</td>
<td>Mastering the Internet</td>
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<td>CIT 140</td>
<td>Microsoft Office</td>
<td>BUSINF 105B</td>
<td>Introduction to Computer Software</td>
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<tr>
<td>CIT 145</td>
<td>QuickBooks</td>
<td>BUSINF 185</td>
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<td>CIT 150</td>
<td>Microsoft Word I</td>
<td>BUSINF 158</td>
<td>Microsoft Word 2000</td>
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<td>CIT 151</td>
<td>Microsoft Word II</td>
<td>BUSINF 159</td>
<td>Advanced Word 2000</td>
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<td>CIT 152</td>
<td>WordPerfect</td>
<td>BUSINF 156</td>
<td>Computer Applications: WordPerfect for Windows</td>
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<td>CIT 155</td>
<td>Microsoft Excel I</td>
<td>BUSINF 165</td>
<td>Computer Applications: Microsoft Excel</td>
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<td>CIT 156</td>
<td>Microsoft Excel II</td>
<td>BUSINF 166</td>
<td>Advanced Excel 2000</td>
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<td>CIT 160</td>
<td>Microsoft Access I</td>
<td>BUSINF 170</td>
<td>Computer Applications: Microsoft Access</td>
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<tr>
<td>CIT 161</td>
<td>Microsoft Access II</td>
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<td>Advanced Access 2000</td>
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<td>CIT 165</td>
<td>Microsoft PowerPoint</td>
<td>BUSINF 189</td>
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<td>CIT 166</td>
<td>Desktop Publishing</td>
<td>BUSINF 175</td>
<td>Computer Applications: Desktop Publishing</td>
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<td>CIT 167</td>
<td>Introduction to Photoshop - Brief</td>
<td>BUSINF 180</td>
<td>Introduction to Photoshop for Prof. and Personal Use</td>
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<td>CIT 170</td>
<td>Web Site Development I</td>
<td>BUSINF 177</td>
<td>Web Page Creation</td>
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<tr>
<td>CIT 171</td>
<td>Web Site Development II</td>
<td>BUSINF 191</td>
<td>Web Site Development for Business</td>
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<tr>
<td>CIT 173</td>
<td>Web Site Authoring Tools</td>
<td>BUSINF 178</td>
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<tr>
<td>CIT 174</td>
<td>Graphic Applications for Web Site Development</td>
<td>BUSINF 182</td>
<td>Graphic Apps for Business Web Site Development</td>
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<tr>
<td>CIT 190</td>
<td>Principles of E-Commerce</td>
<td>BUSINF 190</td>
<td>Principles of E-Commerce</td>
<td>3</td>
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Brief = 8-week course.  Workshop = 8 hours of instruction/lab
CIT 020 OFFICE PROCEDURES FOR THE ADMINISTRATIVE ASSISTANT - BRIEF
Units: 1.50
1.00 hours lecture weekly, 1.50 hours lab weekly
A short-term introduction to the modern office and the responsibilities associated with an administrative assistant position as well as other employment opportunities. (Formerly BUSINF 090).

CIT 035 THE INTERNET - BRIEF
Units: 1.50
1.00 hours lecture weekly, 1.50 hours lab weekly
This short-term course covers Internet fundamentals, including how to use a browser and other software to navigate the internet using the WWW, Gopher, FTP, E-mail, and usenet. Several major service providers will be demonstrated in this hands-on class. Also covers how to research for term papers/other projects using the college’s fast Internet connection. Familiarity with the Windows Operating System is assumed. (Formerly BUSINF 051).

CIT 050 MICROSOFT WORD - BRIEF
Units: 1.00
0.71 hours lecture weekly, 0.71 hours lab weekly
A short-term introductory course covering basic word processing and formatting concepts, including headers, footers, page numbering, search and global replace features, and use of templates and wizards. Familiarity with keyboarding and the Windows operating system is assumed. (Formerly BUSINF 077).

CIT 052 WORDPERFECT - BRIEF
Units: 1.50
1.00 hours lecture weekly, 1.50 hours lab weekly
A short-term introductory course using the latest version of WordPerfect for Windows software to develop word processing proficiency for business and personal use. Familiarity with computer keyboarding and the Windows operating system is assumed. (Formerly BUSINF 081).

CIT 055 MICROSOFT EXCEL - BRIEF
Units: 1.00
0.71 hours lecture weekly, 0.71 hours lab weekly
A short-term introductory course covering the basic skills necessary to create and edit computerized spreadsheets using Excel. Topics include charts, graphs, formatting, and use of simple functions. Familiarity with the Windows operating system is assumed. (Formerly BUSINF 076).

CIT 060 MICROSOFT ACCESS - BRIEF
Units: 1.00
0.71 hours lecture weekly, 0.71 hours lab weekly
A short-term introductory course in creating and modifying computerized databases using Access. Topics covered include simple sorting, forms, reports and queries. Familiarity with the Windows operating system is assumed. (Formerly BUSINF 075).

CIT 065 MICROSOFT POWERPOINT - BRIEF
Units: 1.00
0.71 hours lecture weekly, 0.71 hours lab weekly
A short-term introductory course covering the basic skills necessary to create and edit computerized slide presentations using PowerPoint. Topics included: insertion of text and graphical elements, transitions, and simple animations. Familiarity with the Windows operating system is assumed. (Formerly BUSINF 080).

CIT 098A MICROSOFT WINDOWS WORKSHOP
Units: 0.50
0.50 hours lecture weekly
Designed for students desiring to quickly acquire the fundamental skills necessary to manage some of the basic features of the Windows operating system. (Formerly BUSINF 054). Units do not apply to the associate degree. Offered credit/no-credit only.

CIT 098B MICROSOFT WORD WORKSHOP
Units: 0.50
0.50 hours lecture weekly
Designed for students desiring to quickly acquire the basic skills necessary to create and modify simple electronic documents using Microsoft Word. (Formerly BUSINF 058). Units do not apply to the associate degree and offered credit/no-credit only.

CIT 098C MICROSOFT EXCEL WORKSHOP
Units: 0.50
0.50 hours lecture weekly
Designed for students desiring to quickly acquire the basic skills necessary to create and modify simple elec-
tronic spreadsheets using Excel. (Formerly BUSINF 056). Units do not apply to the associate degree and offered credit/no-credit only.

**CIT 098D MICROSOFT ACCESS WORKSHOP**

Units: 0.50  
0.50 hours lecture weekly  
Designed for students desiring to quickly acquire the basic skills necessary to create and modify simple relational databases using Microsoft Access. (Formerly BUSINF 055). Units do not apply to the associate degree and offered credit/no-credit only.

**CIT 098E MICROSOFT POWERPOINT WORKSHOP**

Units: 0.50  
0.50 hours lecture weekly  
Designed for students desiring to quickly acquire the basic skills necessary to create and modify simple electronic presentations for group audiences using PowerPoint. (Formerly BUSINF 057). Units do not apply to the associate degree and offered credit/no-credit only.

**CIT 098F QUICKEN WORKSHOP**

Units: 0.50  
0.50 hours lecture weekly  
Designed to acquaint students with a financial software package used to organize personal finances by setting up electronic checkbook registers for tracking transactions. (Formerly BUSINF 059). Units do not apply to the associate degree and offered credit/no-credit only.

**CIT 101 COMPUTER FUNDAMENTALS**

Units: 3.00 - CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly  
Students are taught computer concepts and terminology related to system hardware operations, practical uses of software, operating systems, networks, and interpretation of specifications. (Formerly BUSINF 104).

**CIT 105 MICROSOFT WINDOWS**

Units: 3.00 - CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly  
Provides students with hands-on instruction in Microsoft Windows, the most popular graphical user interface and operating environment for the personal computer.

Topics may include using a mouse, icons, Explorer, file management, windows manipulation, multitasking (working with multiple programs simultaneously), desktop customization, use of Windows accessories, Object Linking and Embedding (OLE), virtual memory data search using Find, Help Troubleshooters, shortcuts, and screen captures. (Formerly BUSINF 153).

**CIT 110 KEYBOARDING AND DOCUMENT PROCESSING**

Units: 3.00 - CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly  
Mastery of the computer keyboard by touch. Also, operation of the personal computer including skill building in processing business letters and reports, tables, etc. using Microsoft Word. (Formerly BUSINF 106).

**CIT 111 ADVANCED DOCUMENT PROCESSING AND SKILL BUILDING**

Units: 3.00 - CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly  
Continues skill building begun in CIT 110 (formerly BUSINF 106), Keyboarding and Document Processing. Emphasis on producing a wide range of documents using Microsoft Word as well as continuing to build speed and accuracy on the keyboard. Basic typing skills and familiarity with MS Word begun in CIT 110 are assumed. (Formerly BUSINF 107).

**CIT 115 BUSINESS ENGLISH**

Units: 3.00 - CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly  
Provides an extensive review of the fundamentals of English grammar, punctuation style, and usage, placing heavy emphasis on language principles and applications that promote successful communication in the business world. Importance is placed on employment skills such as proofreading, editing, and writing. (Formerly BUSINF 135).

**CIT 116 BUSINESS COMMUNICATIONS**

Units: 3.00 - CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly  
Training in the development of writing principles and techniques; business vocabulary improvement; practical experience in the composition of correspondence typical of business environments. Additional emphasis on
principles of business English. Familiarity with computer keyboarding and the Windows operating system is assumed. (Formerly BUSINF 220).

CIT 120 OFFICE PROCEDURES
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Study of procedures in today’s modern office including: administrative responsibilities, information storage and retrieval, distribution of information using latest electronic technologies, preparation for professional employment, etc. Familiarity with basic computer keyboarding is assumed. (Formerly BUSINF 145).

CIT 125 LEGAL PROCEDURES
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Offers a comprehensive simulation for the legal secretary touching on four fields of law; i.e., real estate and property transfer, litigation, wills and estates, and corporations and partnerships. The law office simulation provides an overall perspective of the types of activities in which the legal secretary will be engaged. (Formerly BUSINF 147).

CIT 130 MEDICAL OFFICE PROCEDURES
Units: 3.00 - CSU
3.00 hours lecture weekly
Designed to train students for employment as an Administrative Medical Assistant. Covers the role, office equipment, patient registration and appointment scheduling. Includes correspondence, transcription and facility management.

CIT 131 MEDICAL TRANSCRIPTION - BRIEF
Units: 1.50 - CSU
1.00 hours lecture weekly, 1.50 hours lab weekly
Provides the transcriptionist with entry-level skills in medical transcription including transcription of basic medical dictation, incorporating English usage and machine transcription skills, medical knowledge, and proofreading and editing skills. (Formerly BUSINF 137).

CIT 132 MEDICAL OFFICE FINANCES
Units: 3.00 - CSU
3.00 hours lecture weekly
This course trains students in the various financial methods used in medical offices for insurance billing, collection of fees, etc. Also covers teaching the student how to handle various insurance claims. (Formerly BUSINF 138).

CIT 135 THE INTERNET
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Recommended preparation: CIT 105.
In this hands-on class, students will operate and configure browsers and other software to navigate and use the Internet. Participants will learn how to evaluate and select a service provider, send and receive e-mail, append attachments, and use the latest productivity software to create schedules, calendars, address books, and journals. Topics also include teleconferencing, distance learning, and e-commerce. (formerly BUSINF 103).

CIT 140 MICROSOFT OFFICE
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
An introductory survey of programs contained within the latest Microsoft Office Suite. These application programs include word processing (Word), spreadsheets (Excel), database management (Access), and presentation graphics (PowerPoint). Familiarity with computer keyboarding and the Windows operating system is assumed. (Formerly BUSINF 105B).

CIT 145 QUICKBOOKS
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
This course teaches all the basics of the popular accounting program designed to assist in the operation of small businesses. Familiarity with the Windows Operating System is assumed. (Formerly BUSINF 185).

CIT 150 MICROSOFT WORD I
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Provides an in-depth introduction to the latest version of MS Word. Topics include creating, revising, formatting,
storing, and printing a variety of business documents. Skills are developed from basic functions through utilizing features such as AutoText, columns, custom tab settings, mail merge, envelopes, labels, templates, headers/footers, footnotes, and Find/Replace features. Emphasis on office-quality production of documents. Also designed as preparation for MS Office User Specialist (MOUS) certification core exam in Word. Familiarity with computer keyboarding and the Windows operating system is assumed. (Formerly BUSINF 158).

CIT 151 MICROSOFT WORD II
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Prerequisite: BUSINF 158 or CIT 150
A continuation of CIT 150. Presents advanced features in Word. Topics include document modification and conversion to Web pages, formatting research papers, business letters and resumes, reports, form letters, newsletters, insertion and manipulation of graphics, creating an index and a table of contents, online forms, merging e-mail form letters using Access database, and using VBA with Word. Also designed as preparation for MS Office User Specialist (MOUS) certification exam. (Formerly BUSINF 159).

CIT 152 WORDPERFECT
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
A comprehensive course using the latest WordPerfect word processing software on IBM-compatible PCs to develop employable proficiency in the production of business documents. Familiarity with computer keyboarding and the Windows operating system is assumed. (Formerly BUSINF 156).

CIT 155 MICROSOFT EXCEL I
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Students learn the latest version of MS Excel. Topics include formulas, functions, charting, formatting worksheets, absolute cell references, working with large worksheets, what-if analysis, and practice using Excel to create static and dynamic Web pages. Also covers financial functions, data tables, amortizing schedules, cell protection, worksheet database manipulation, lookup functions, database functions, templates, working with multiple worksheets and workbooks, find and replace, and customized printing. Course is designed as preparation for the Microsoft Office User Specialist (MOUS) certification core exam in Excel. Familiarity with computer keyboarding and the Windows operating system are assumed. (Formerly BUSINF 165).

CIT 156 MICROSOFT EXCEL II
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Prerequisite: BUSINF 165 or CIT 155
A continuation of CIT-155. Provides students with the knowledge to use advanced Excel features. Topics include sorting and filtering information in spreadsheets, worksheet protection, pivot tables and pivot chart reports, consolidation of data, outlines, reports using report manager, macros, guide cell entry with data validation, use of scenarios to perform what-if analysis, goal seeking, change tracking, and Web and application integration. Also designed as preparation for the Microsoft Office User Specialist (MOUS) certification expert exam in Excel. (Formerly BUSINF 166).

CIT 160 MICROSOFT ACCESS I
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Provides an in-depth introduction to the latest version of Microsoft Access. Topics include creating, querying, and maintaining a relational database; creating a data access page, reports, forms, combo boxes; using OLE fields, hyperlinks, and subforms. Familiarity with computer keyboarding and the Windows operating system is assumed. (Formerly BUSINF 170).

CIT 161 MICROSOFT ACCESS II
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Prerequisite: CIT-160 or BUSINF 170
A continuation of CIT 160. Comprehensive Microsoft Access including creating, querying, and maintaining a relational database; creating reports, forms and combo boxes, cross tab queries, mailing labels, mail merge reports, and customized menu bars; integrating Excel worksheet data into an Access database; using OLE fields, hyperlinks, and subforms; creating an application system using VBA, working with charts and PivotTable objects, administering a database, and publishing to the Internet using data Access pages. Designed as prepara-
tion for the Microsoft Office User Specialist (MOUS) certification expert exam in Access. (Formerly BUSINF 171).

**CIT 165 MICROSOFT POWERPOINT**  
Units: 3.00 - CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly  
Students acquire skills to create dynamic computerized slide shows and presentations using PowerPoint software, the de facto standard presentation application. Topics covered include automating slide shows, transitions, use of graphics and drawn objects, interactive presentations, OLE, and Web collaboration features. Also designed as preparation for the Microsoft Office User Specialist (MOUS) certification core and expert exams in PowerPoint. Familiarity with the Windows operating system is assumed. (Formerly BUSINF 171).

**CIT 166 DESKTOP PUBLISHING**  
Units: 3.00 - CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly  
Designed to provide students with the necessary skills for employment utilizing desktop publishing concepts and applications on the PC. Familiarity with the Windows operating system is assumed. (Formerly BUSINF 175).

**CIT 167 INTRODUCTION TO PHOTOSHOP - BRIEF**  
Units: 1.50 - CSU  
1.00 hours lecture weekly, 1.50 hours lab weekly  
A short-term introductory course in basic image editing using Photoshop. Topics included are working with layers, image retouching, color correction, scanning, paint tools, text tools, special effects, and application to desktop publishing and personal projects. Familiarity with the Windows operating system is assumed. (Formerly BUSINF 180).

**CIT 170 WEB SITE DEVELOPMENT I**  
Units: 3.00 - CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly  
An introduction to creating Web sites using HyperText Markup Language (HTML) coding. Covers basic through advanced HTML tags and concepts related to the planning and publishing of effective Web sites. Topics include HTML syntax, lists, text formatting, links, Web-safe colors, image insertion and optimization, animated GIFs, image maps, tables, frames, forms, server-side processing, FTP clients, site structure, registration and maintenance. Designed as the foundation for those preparing to obtain recognized certificates in Web site development or with an interest in developing personal and professional Web sites. Familiarity with the Internet, a browser, and the Windows operating system is assumed. (Formerly BUSINF 177).

**CIT 171 WEB SITE DEVELOPMENT II**  
Units: 3.00 - CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly  
Hands-on practice and theoretical issues related to the creation and publishing of effective interactive Web sites using Dynamic HTML (DHTML) coding. Students are instructed in application of cascading style sheets (CSS), introductory JavaScript, Java applets, filters, transitions, special effects, form validation, multimedia elements, and other DHTML features. Additional emphasis on e-commerce related issues. No authoring tools are used in this class. Knowledge of HTML and familiarity with the Windows operating system are assumed. (Formerly BUSINF 191).

**CIT 173 WEB SITE AUTHORING TOOLS**  
Units: 3.00 - CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly  
Builds on the skills form CIT 170 and 171 with hands-on and theoretical concepts related to the creation and management of Web sites using authoring tools. Instruction in the use of powerful and popular authoring software, such as Dreamweaver, UltraDev, Generator, Frontpage, or Visual Studio to produce, publish, and administer sophisticated, interactive Web sites. Course covers advanced HTML and DHTML concepts, data-base integration, scripts, form validation, special effects, and e-commerce issues. Knowledge of HTML and familiarity with the Windows operating system are assumed. (Formerly BUSINF 178).

**CIT 174 GRAPHIC APPLICATIONS FOR WEB SITE DEVELOPMENT**  
Units: 3.00 - CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly  
Hands-on practice and theoretical issues related to creating imagery for Web delivery. Computer graphic applications utilized may include Photoshop, Flash, Freehand, Fireworks, Real Producer Plus or others. Topics include Web-safe colors, graphic formats, raster vs. vector,
COMPUTER NETWORKING

image slicing, image optimization, animation, and download efficiency, thumbnails, brand identity, and e-commerce from a visual perspective. Knowledge of introductory HTML and familiarity with the Windows operating system are assumed. (Formerly BUSINF 182).

CIT 190 PRINCIPLES OF ELECTRONIC COMMERCE

Units: 3.00 - CSU
3.00 hours lecture weekly
The study of the main theoretical and practical issues of electronic commerce, its policies and management, and the particular problems of implementing and managing electronic commerce systems and the current uses by business, consumers, and non-profits are examined. Topics include Web-based technologies, electronic data interchange, Internet infrastructure, value chains, strategies for marketing and promotion, new business models, electronic payment systems, and security, privacy, legal, ethical, and tax issues. Familiarity with the Internet and proficiency with a browser are assumed. (Formerly BUSINF 190; same as BUS 190).

COMPUTER NETWORKING

CMPNET 137 A+ CERTIFICATION I

Units: 2.00 - CSU
1.50 hours lecture weekly, 1.50 hours lab weekly
An introduction to trouble-shooting and maintenance of microcomputers at the component level including work with multiple microcomputer system platforms. Activities will include hands-on maintenance experience for multimedia computers. (Formerly CMPELC 137.)

CMPNET 138 A+ CERTIFICATION II

Units: 2.00 - CSU
1.50 hours lecture weekly, 1.50 hours lab weekly
Prerequisite: CMPNET 137
Troubleshoot complex computer configurations and recover lost data and files. Memory and disk configuration conflicts between software packages will be diagnosed. Introduction to peripheral devices such as modems, disk drives, monitors, keyboards, mice and other input/output devices. (Formerly CMPELC 138.)

CMPNET 140 BEGINNING NETWORK CERTIFICATION I

Units: 2.00 - CSU
2.00 hours lecture weekly
This is one of the eight networking fundamental courses in 3Com NetPrep program. In this course, students will learn how Local Area Networks (LANs) are built: what physical cables are used, how those cables are connected together, and how hardware platforms (such as servers and workstations) attach to LANs. Students will also learn about the Network Operating System (NOS) software and applications that run on LANs. (Formerly CMPELC 140).

CMPNET 141 BEGINNING NETWORK CERTIFICATION II

Units: 2.00 - CSU
2.00 hours lecture weekly
This is one of the eight networking fundamental courses in 3Com NetPrep program. In this course, students will learn network topics related to wide area networks (WANs). These topics include the telecommunications components and concepts used to build WANs, as well as the protocols used to transport voice and data over a wide area. (Formerly CMPELC 147 and CMPELC 141.)

CMPNET 142 NETWORKING ESSENTIALS

Units: 1.50 - CSU
1.50 hours lecture weekly
Provides an in-depth study of Microsoft Networking Essentials. The focus is on networking terminology, network protocols, LAN and WAN networking. Implementing networks using Microsoft products will be explored. (Formerly CMPELC 142).

CMPNET 143 IMPLEMENTING & SUPPORTING MS WINDOWS NT WORKSTATION 4.0

Units: 2.00 - CSU
1.50 hours lecture weekly, 1.50 hours lab weekly
This course provides an in-depth study of Microsoft Windows NT Workstation 4.0. The focus will be on Windows NT Workstation 4.0 installation account administration, disk and resource management, networking environment, interoperation, network domain, optimization, application support printing, and troubleshooting. This is one of seven courses in the MCSE certification series. (Formerly CMPELC 148 and CMPELC 143).
CMPNET 144 IMPLEMENTING & SUPPORTING MS WIN NT SERVER 4.0
Units: 2.00 - CSU
1.50 hours lecture weekly, 1.50 hours lab weekly
Prerequisite: CMPELC 143 or CMPNET 144
This course provides an in-depth study of Microsoft Windows NT Server 4.0. The focus will be on Windows NT Server 4.0 installation, account administration, environment configuration, file system, local resource protection, security, networking environment, interoperation, network domain, optimization, and troubleshooting. This is one of the seven courses in the MCSE certification series. (Formerly CMPELC 149 and CMPELC 144).

CMPNET 145 MCSE EXCHANGE SERVER 59
Units: 2.00 - CSU
1.50 hours lecture weekly, 1.50 hours lab weekly
Prerequisite: CMPELC 144 or CMPNET 144
One of the courses in the seven course MCSE certification series. The focus is on the planning and installing Exchange Server; the architecture of Exchange Server; supporting Exchange Server in a single site or multi-site enterprise environment; establishing messaging connectivity over the Internet; and supporting Web access to Exchange Server computers through Microsoft Outlook Web Access. (Formerly CMPELC 145).

CMPNET 146 MS WINDOWS NT SERVER-ENTERPRISE TECHNOLOGY
Units: 2.00 - CSU
1.50 hours lecture weekly, 1.50 hours lab weekly
Prerequisite: CMPELC 144 or CMPNET 144
The course provides an in-depth study of Microsoft Windows NT Server 4.0 in the Enterprise. The focus is on the design, implementation, and support of Windows NT Server network operating system in a multidomain enterprise environment. This course is part of the seven course series in MCSE certification. (Formerly CMPELC 146).

CMPNET 147 MCSE SYSTEM ADMINISTRATION OF MS SQL SERVER
Units: 2.00 - CSU
1.50 hours lecture weekly, 1.50 hours lab weekly
Prerequisite: CMPELC 144 or CMPNET 144
The course provides an in-depth study of MS SQL Server. The focus will be on installing and upgrading SQL server, creating devices and databases, creating users and assigning permission to databases, implementing SQL server security models, backing up and restoring databases, and learning the functions of the master, mssdb, and tempdb databases, and monitoring and troubleshooting SQL server. One of seven courses in the MCSE certification series. (Formerly CMPELC 147).

CMPNET 148 APPR INTERNETWORKING WITH MS TCP/IP ON WINNT 4.0
Units: 2.00 - CSU
1.50 hours lecture weekly, 1.50 hours lab weekly
Prerequisite: CMPELC 144 or CMPNET 144
The course provides an in-depth study of Microsoft TCP/IP and components networking. The focus will be on installation and configuration of DHCP server, WINS server, SNMP server services, TCP/IP printing, and LMHOSTS files as well as troubleshooting TCP/IP networks. This is one of seven courses in the MCSE certification series. (Formerly CMPELC 148).

CMPNET 149 MCSE INTERNET INFORMATION SERVER ON WINDOWS NT 4.0
Units: 2.00 - CSU
1.50 hours lecture weekly, 1.50 hours lab weekly
Prerequisite: CMPELC 144 or CMPNET 144
The course provides an in-depth study of Microsoft Internet Information Server 4.0. The course concentrates on virtual servers, co-existence with Win NT server 4.0 and MS SQL server 7.0 and administration of a commercial web site. This is one of seven courses in the MCSE certification series. This course prepares students for the MCSE exam on IIS 4.0.

CMPNET 154 CISCO SYSTEM NETWORKING I
Units: 3.50 - CSU
3.00 hours lecture weekly, 1.50 hours lab weekly
Provides students with an excellent foundation upon which to build their network training. It covers the basics of computer networking, including terms and concepts. Networking technology, how it works - and why it works - is made clear in this course, where concepts like contemporary network services, transmission media, and protocols are explained. Students learn how protocols are used in networking implementations from many vendors, especially those most common in today's LANs and WANs. (Formerly CMPELC 154)
CMPNET 155 CISCO SYSTEM NETWORKING 2
Units: 3.50 - CSU
3.00 hours lecture weekly, 1.50 hours lab weekly
Prerequisite: CMPELC 154 or CMPNET 154
The course provides students with an excellent foundation upon which to build their network training. It covers the basics of computer networking, including terms and concepts. Networking technology - how it works, and why it works - is made clear in this course, where concepts like contemporary network services, transmission media, and protocols are explained. Students learn how protocols are used in networking implementations from many vendors, especially those most common in today's LANs and WANs.

CMPNET 156 CISCO SYSTEM NETWORKING 3
Units: 3.50 - CSU
3.00 hours lecture weekly, 1.50 hours lab weekly
Prerequisite: CMPELC 155 or CMPNET 155
Third in the Cisco system series. Covers the basics of computer networking, including terms and concepts, and networking technology, how and why it works.
Contemporary network services, transmission media and protocols are explained and students learn how protocols are used in networking implementations from many vendors, especially those most common in today's LANs and WANs (Formerly CMPELC 156).

CMPNET 157 CISCO SYSTEM NETWORKING 4
Units: 3.50 - CSU
3.00 hours lecture weekly, 1.50 hours lab weekly
Prerequisite: CMPELC 156 or CMPELC 156
Fourth in the Cisco system series. Provides students with an excellent foundation upon which to build their network training. It covers the basics of computer networking, including terms and concepts, networking technology how and why it works, and clarifies concepts like contemporary network services, transmission media, and protocol. Students learn how protocols are used in networking implementations from many vendors, especially those most common in today's LANs and WANs. Also covers WANs, WAN design, PPP, ISDN, and Frame Relay. (Formerly CMPELC 157).

CMPNET 158 CISCO SYSTEM NETWORKING 5
Units: 3.50 - CSU
3.00 hours lecture weekly, 1.50 hours lab weekly
This course begins the process for pursuing a CISCO CCNP through the College of the Canyons CISCO Academy. Topics covered include advanced routing, routing protocols, routing tables, scalable routing protocols, access lists, route distribution, and configuration of advanced networks.

CMPNET 159 CISCO SYSTEM NETWORKING 6
Units: 3.50 - CSU
3.00 hours lecture weekly, 1.50 hours lab weekly, May be taken 2 times for credit
Second in a four-course series which will prepare the student for CISCO CCNP certification. Topics include WANs, Modems, PPP, ISDN, X.25, Frame Relay, Queuing, and Network Address Translation. Requires CISCO CCNA certification.

CMPNET 160 CISCO SYSTEM NETWORKING 7
Units: 3.50 - CSU
3.00 hours lecture weekly, 1.50 hours lab weekly, May be taken 2 times for credit
Third in a four-course series that prepares students for CISCO CCNP certification. Topics include LAN switching, network design, LAN media types, VLAN identification, Spanning Tree Protocol and others. Requires CISCO CCNA certification.

CMPNET 180 WINDOWS 2000 SERVER
Units: 2.00 - CSU
1.00 hours lecture weekly, 3.00 hours lab weekly
This course provides the basic introduction to Windows 2000 Advanced Server for MCSE Certification. (Formerly CMPELC 180).

CMPNET 181 WINDOWS 2000 PROFESSIONAL
Units: 2.00 - CSU
1.00 hours lecture weekly, 3.00 hours lab weekly
This course provides the basic introduction to Windows 2000 Professional for MCSE Certification. (Formerly CMPELC 181).
**CMPNET 182 WINDOWS 2000 DIRECTORY SERVICES**  
Units: 2.00 - CSU  
1.00 hours lecture weekly, 3.00 hours lab weekly  
Prerequisite: CMPNET 180  
This course provides the basic introduction to Windows 2000 Directory Services for MCSE Certification.  
(Formerly CMPELC 182).

**CMPNET 183 WINDOWS 2000 NETWORK INFRASTRUCTURE**  
Units: 2.00 - CSU  
1.50 hours lecture weekly, 1.50 hours lab weekly  
Provides technical information for deploying a Windows 2000 Advanced Server Network. This course directly relates to certification information necessary to pass the Network Infrastructure exam for MCSE Certification.

**CMPNET 200 LINUX ADMINISTRATION**  
Units: 3.50 - CSU  
3.00 hours lecture weekly, 1.50 hours lab weekly, May be taken 2 times for credit  
This first course in an eight-part series covers the basics of LINUX Administration. Our CISCO Academy is partnered with local software vendors to develop coursework for UNIX/LINUX administration. Topics include user accounts and groups, permissions, LINUX files, the OS kernel, swap space, DHCP, and other LINUX topics.

**CMPNET 201 FUNDAMENTALS OF SOLARIS UNIX**  
Units: 3.50 - CSU  
3.00 hours lecture weekly, 1.50 hours lab weekly, May be taken 2 times for credit  
This is the second course in an eight-part series for UNIX Administration and covers the basic topics of UNIX Administration. COC is a CISCO Academy. CISCO has partnered with local software vendors to develop coursework for UNIX/LINUX administration. Topics covered include user accounts and groups, permissions, UNIX files, the OS kernel, swap space, DHCP, and other UNIX topics.

**CMPNET 202 WIRELESS TECHNOLOGIES**  
Units: 3.50 - CSU  
3.00 hours lecture weekly, 1.50 hours lab weekly, May be taken 2 times for credit  
Third in an eight-part series on UNIX Administration and covers the basics of Wireless Network Administration. COC’s CISCO Academy has partnered with local industry to develop coursework for UNIX/LINUX administration. Topics include the Wireless Device layer, the wireline layer, and the back-end layer in network support issues.

**CMPSCI 101 INTRODUCTION TO COMPUTER SCIENCE**  
Units: 4.00 - UC:CSU  
3.00 hours lecture weekly, 3.00 hours lab weekly  
Designed as a general introduction to the computer as a productivity tool. The student will learn how to use the computer as a tool to improve the quality of his/her written assignments and personal correspondence (word processing), to help budget time and money more effectively (spread sheets), to keep track of large collections of things such as hobby collections or household inventories for insurance purposes (data base), and to create simple programs to solve academic or personal data manipulation problems. The course addresses computer survival, word-processing, spread sheets, data base, and programming in about equal measure.

**CMPSCI 111 INTRODUCTION TO ALGORITHMS AND PROGRAMMING/JAVA**  
Units: 3.00 - UC:CSU  
3.00 hours lecture weekly  
This course is an introduction to programming and the organization of computers. Basic programming concepts: algorithms, data and control structures, debugging, program design, documentation, structured programming. This course will use Java to demonstrate the application of software engineering methodologies.

**CMPSCI 111L INTRODUCTION TO ALGORITHMS AND PROGRAMMING LAB**  
Units: 1.00 - UC:CSU  
3.00 hours lab weekly  
A required laboratory to support CMPSCI 111.
CMPSCI 120 APPLICATION PROGRAM DEVELOPMENT
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Writing programs for common business applications. Emphasis on developing well-structured programs to accomplish such tasks as data entry, verification, report writing, and file updating.

CMPSCI 122 INTRODUCTION TO DIGITAL COMPUTERS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly

CMPSCI 125 FORTRAN PROGRAMMING
Units: 3.00 - UC:CSU 3.00 hours lecture weekly
Writing of computer programs for mathematical and scientific problems. Syntactical structure of language and data, translation of algorithms into FORTRAN programs, representative applications.

CMPSCI 132 INTRODUCTION TO ALGORITHMS & PROGRAMMING
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Introduction to algorithms, their representation, design, structuring, analysis and optimization. Implementation of algorithms as structured programs in a high-level language.

CMPSCI 182 DATA STRUCTURES AND PROGRAM DESIGN
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Prerequisite: CMPSCI 111 Co-requisite: CMPSCI 182L

CMPSCI 182L DATA STRUCTURES AND PROGRAM DESIGN LAB
Units: 1.00 - UC:CSU
3.00 hours lab weekly
Corequisite: CMPSCI 182
The lab corequisite for CMPSCI-182. This course offers students hands-on programming experience with object oriented data structures. Abstract data types such as sets, stacks, queues, trees, and lists will be implemented using the Java programming language. This lab is a second semester (or intermediate level) Java programming language course.

CMPSCI 190 WEB PROGRAMMING: JAVASCRIPT
Units: 3.00 - CSU
3.00 hours lecture weekly
For Web site designers who need to extend their skills beyond HTML in the development of Web sites through the use of scripting. Topics include creating animated Web pages, client-side forms validation, creating and using cookies to track users, processing forms data, and generating dynamically updated Web pages. Experience creating Web pages with HTML is strongly suggested prior to taking this course.

CMPSCI 191 CGI PROGRAMMING: PERL
Units: 3.00 - CSU
3.00 hours lecture weekly
An introduction to CGI (Common Gateway Interface) programming using the Perl language. Students will go beyond writing Web pages and build programs that generate entire Web sites and create server side programs to process form input, dynamic Web pages, and interface with databases. Experience creating Web pages with HTML is strongly recommended prior to taking this course.

CMPSCI 222 COMPUTER ORGANIZATION
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An advanced computer architecture course, which covers basic addressing concepts to more advanced address ability such as base register and self-relative addressing. Computer architecture comparisons between such organizations as multiple register proces-
sors and stack machines. Introduction to the concept of microprogrammable systems. Low-level language translation process associated with assemblers.

**CMPSCI 225 ADVANCED FORTRAN PROGRAMMING**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A second semester course in FORTRAN covering subprograms, loops, arrays, control breaks and file I/O. Applications will be geared to the areas of manufacturing, science, engineering and mathematics.

**CMPSCI 235 C PROGRAMMING**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An introduction to C programming to include data structure, arrays functions and file I/O.

**CMPSCI 236 C++ OBJECT ORIENTED PROGRAMMING**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Prerequisite: CMPSCI 235 or equivalent experience.
Object Oriented Programming (OOP) using the C++ language. Topics covered will be C++ classes/objects, input/output streams, overloading, inheritance, templates and exception handling. This is a second semester course in C++, students entering course should already be familiar with the C programming language.

**CMPSCI 252 ADA PROGRAMMING**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A general introduction to the ADA programming language for career programmers, engineers, and managers. The course will lay the groundwork for use of ADA for the solution of nontrivial mathematical, scientific, engineering, and commercial information processing problems. Hands-on experience with ADA program development tools will be provided.

**CMPSCI 282 ADVANCED DATA STRUCTURES**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An exploration of advanced data structures (particularly persistent structures) using object-oriented design and an introduction to databases using a language like Java. Course covers main memory-based structures such as hash tables and trees. Disk-based structures such as hash-based persistent structures and indexed files. Architectural foundations for files, large-scale sorting and serialization.

**COOPERATIVE WORK EXPERIENCE**

**CWEXP 188 COOPERATIVE WORK EXPERIENCE**
Units: 1.00-4.00 – CSU
1.00-4.00 hours lecture weekly, May be taken 4 times for credit
The CWEE program has been integrated into programs throughout the college. This is a program of on-the-job learning experiences for students employed in jobs related to an occupationally oriented major combined with related college study. Courses are formulated with industry employers under the direction of a college instructor. Work may be paid or unpaid - information is available in the counseling or CWEE offices to verify eligibility. The disciplines are:

- ADMJUS
- ANIM
- ANTHRO
- ART
- ASTRON
- BIOSCI
- BUS
- CHEM
- CINEMA
- COMS
- CIT
- CMPELC
- CMPNET
- CMPSCI
- DANCE
- DAT
- ECE
- ECON
- FIRETC
- ADMJUS
- ENGR
- ANIM
- ENGL
- ANTHRO
- ESL
- ART
- FRNC
- ASTRON
- GENSTU
- BIOSCI
- GEOG
- BUS
- GEOF
- CHEM
- GERMAN
- CINEMA
- HLHSCI
- COMS
- HIST
- CIT
- HRMGT
- CMPELC
- HUMAN
- CMPNET
- ID
- CMPSCI
- JOURN
- DANCE
- LMTECH
- DAT
- MFGT
- ECE
- MATH
- ECON
- MUSIC
- FIRETC
- NURSNG
- PERDEV
- SOCIO
- SPAN
- THEATR
- VCNNSG
- WATER
- WELD
DANCE 100 DANCE APPRECIATION
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A non-performance dance course which examines the historical and cultural aspects of dance through viewing of dance films, lecture-discussions, and attendance at live performances. Does not satisfy the Physical Education activity requirements for the associate degree.

DANCE 101 INTRODUCTION TO WORLD DANCE
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 3 times for credit
An introductory course designed to survey dances of selected world dance cultures. Through movement experiences and discussion, students will gain the techniques and understanding necessary to perform selected dances.

DANCE 111 FUNDAMENTALS OF DANCE MOVEMENT
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
Introduces ballet, modern and jazz techniques, focusing upon basic skill development in all three styles of dance. It also includes development of strength, flexibility, coordination and rhythm for all movement techniques. This class is preparation for all other movement dance courses.

DANCE 121 MODERN DANCE I
Units: 1.00 - UC:CSU
3.00 hours lab weekly
An introduction to the basic movements, patterns and style of modern dance, emphasizing elementary skills and techniques while conferring an appreciation of modern dance and increasing understanding of body structure and movement.

DANCE 122 MODERN DANCE II
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
A continuation of Modern Dance I. A more intense study of modern dance technique and expanded movement experience. Exploration of rhythmic structure and patterns, expanded choreographic experiences and a more refined use of music in modern dance composition.

DANCE 131 INTRODUCTION TO JAZZ TECHNIQUES
Units: 1.00 - UC:CSU
3.00 hours lab weekly
An introduction to jazz dance, emphasizing elementary skills and techniques while conferring an appreciation of jazz dance and increasing understanding of body structure and movement.

DANCE 132 INTERMEDIATE JAZZ
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
Prerequisite: DANCE 131
A progressive refinement of jazz dance technique, building upon skills and techniques covered in Dance 131.

DANCE 133 INTRODUCTION TO AFRICAN DANCE
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
A movement course focusing on the learning of traditional dances of various West African cultures. Students will learn the fundamental elements of African dances including polyrhythms, call and response, integration of movement to the music as well as the social/religious aspects of African culture.

DANCE 134 BALLROOM AND SOCIAL DANCE
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
Introduces students to selected social dance styles and performance techniques. Dances taught include ballroom, salsa, tango, rumba and swing. Dance styles may vary by semester.
DANCE 135 BEGINNING TAP DANCE
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
This is a beginning course introducing basic and elementary tap techniques, as well as various routines and rhythmic structures. The history and development of tap is also discussed.

DANCE 137 FLAMENCO AND SPANISH DANCE
Units: 1.00 - CSU
1.00 hours lecture weekly, May be taken 4 times for credit
Introduces the fundamental steps, movements, rhythms and music of flamenco and Spanish dance. Various choreographies in these dance forms are presented.

DANCE 141 INTRODUCTION TO BALLET TECHNIQUES
Units: 1.00 - UC:CSU
3.00 hours lab weekly
Prerequisite: DANCE 111
Introduction to the basic skills and techniques of ballet exercises at the barré, in order to develop flexibility, strength, control and resilience. The course concentrates on simple port de bras, adagio, and allegro combinations.

DANCE 142 INTERMEDIATE BALLET
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
A continuation of the skills introduced in Dance 131, with additional emphasis on the rhythm, design, and dynamics.

DANCE 160 DANCE PERFORMANCE ENSEMBLE
Units: 1.50 - UC:CSU
4.50 hours lab weekly, May be taken 4 times for credit
Involves learning a repertoire created by the instructor, perfecting performance skills and final production.

DANCE 161 CONCERT DANCE ENSEMBLE
Units: 2.00 - UC:CSU
1.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Designed for intermediate and advanced dance students interested in public performance and acquisition of dance production skills.

DANCE 170 INTRODUCTION TO CHOREOGRAPHY
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
Designed to introduce the fundamental skills and concepts necessary to begin choreographing. Through assignments, exercises and improvisations, the fundamental concepts of dance composition will be explored.

DANCE 179 COC MARCHING/DANCE TROUPE
Units: 2.00 - CSU
6.00 hours lab weekly, May be taken 4 times for credit
Rehearsal and performance of rifle, flag, and dance units auxiliary to the College of the Canyons Marching Band. Subsequent enrollment will provide the student an opportunity for additional skill and competency development within the subject matter. Same as MUSIC 179. Does not satisfy PE activity requirements for the associate degree.

DANCE 180 INTRODUCTION TO YOGA/DANCE STRETCHING
Units: 1.00 - CSU
3.00 hours lab weekly, May be taken 4 times for credit
An introduction to basic yoga concepts including poses, postures, breathing, and meditation techniques. Also covers dance stretches to increase flexibility.

DESIGN ARTS & TECHNOLOGY

DAT 041 APPLICATIONS: QUARK XPRESS I
Units: 1.00
1.00 hours lecture weekly
A short-term, introductory course in page layout design through the popular tool Quark Xpress. Students learn how to utilize layout features for both text and images, along with exploring Quark’s powerful tools to control basic typographic elements and format images for print. Basic computer knowledge is assumed.
## ANIMATION and INTERIOR DESIGN PROGRAMS CONVERSION

Course Revisions (sorted numerically)

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<th>New Course No.</th>
<th>New Course Name</th>
<th>New Units</th>
<th>Old Course No.</th>
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</table>
DAT 042 APPLICATIONS: QUARK XPRESS II
Units: 1.00
1.00 hours lecture weekly
Recommended preparation: DAT 041.
A short-term, intermediate course in page layout design through the popular tool QuarkExpress. Students continue to develop their skills in layout for both text and images. In addition, students explore Quark's powerful tools to control more advanced typographic elements and format images for print. Basic computer knowledge is assumed.

DAT 044 APPLICATIONS: ADOBE ILLUSTRATOR I
Units: 1.00
1.00 hours lecture weekly
A short-term intro to computer illustration using the popular tool Adobe Illustrator. Students learn how to create images, use type and layout features, use filters and format images for print, web and multimedia mediums. Basic computer knowledge is assumed. (Formerly MULTI 060).

DAT 045 APPLICATIONS: ADOBE ILLUSTRATOR II
Units: 1.00
1.00 hours lecture weekly
Recommended preparation: DAT 044.
A short-term, intermediate course in computer illustration through the popular tool Adobe Illustrator. Students will continue to develop their skills in basic computer illustration along with more advanced illustration techniques creating images for print, web and multimedia mediums.

DAT 047 APPLICATIONS: ADOBE PHOTOSHOP FOR DESIGNERS
Units: 1.00
1.00 hours lecture weekly
Short-term introduction to digital imaging using a popular tool Adobe PhotoShop. Students learn to scan, composite, create layers, select operating areas, image adjustment, and change image modes, file formats for electronic presentations, print, and web design. Basic computer knowledge is assumed. (Formerly MULTI 062)

DAT 048 APPLICATIONS: ADOBE PHOTOSHOP II FOR DESIGNERS
Units: 1.00
1.00 hours lecture weekly
A short-term course exploring intermediate topics in digital imaging through the popular tool Adobe Photoshop. Students continue to develop their skills in image resolution, compositing, layers, image adjustment, and sophisticated image creation for electronic presentations, print and web design. Basic Photoshop and computer knowledge. (Formerly MULTI 064).

DAT 071 APPLICATIONS: DREAMWEAVER
Units: 1.00
1.00 hours lecture weekly
A short-term intro to dynamic web page design through the popular tool Dreamweaver. Students learn how to insert images, create frames, make links, use forms, and how to manage web sites by creating actual DHTML sites. Basic Photoshop and computer skills assumed.(Formerly MULTI 066)

DAT 073 APPLICATIONS: DESIGNING WEB GRAPHICS
Units: 1.00
1.00 hours lecture weekly
A short-term introduction to designing web graphics with the popular tools of Adobe Photoshop and Image Ready. Students learn how to first composite and create images, and then use specialized effects to create and optimize dynamic graphics for the web. Basic computer knowledge and DAT 047 or basic Adobe Photoshop experience assumed. (Formerly MULTI 068)

DAT 074 APPLICATIONS: MACROMEDIA FLASH
Units: 1.00
1.00 hours lecture weekly
DAT 075 APPLICATIONS: ADOBE PREMIERE
Units: 1.00
1.00 hours lecture weekly
A short-term intro to digital editing using Adobe Premiere. Students learn how to digitize video, combine clips, use transitions and filters to edit video for the web and multimedia mediums. Basic Photoshop and computer knowledge assumed. (Formerly MULTI 070)

DAT 077 APPLICATIONS: AFTER EFFECTS
Units: 1.00
1.00 hours lecture weekly
A short-term introduction to animated motion graphics using the popular tool Adobe After Effects. Students learn how to sweeten video, by introducing specialized effects applied to video, graphics and text. Basic Photoshop and computer skills assumed. (Formerly MULTI 072)

DAT 078 APPLICATIONS: DIRECTOR
Units: 1.00
1.00 hours lecture weekly
A short-term introduction to multimedia production using the popular tool Macromedia Director. Students learn how to use the program's multimedia importing techniques, basic type, and paint tools to synthesize sound, video, and graphics for use in web and CD-ROM presentations. Basic Photoshop and computer skills assumed. (Formerly MULTI 074)

DAT 094L OPEN GRAPHICS LAB
Units: 1.00-2.00
3.00-6.00 hours lab weekly, May be taken 4 times for credit
This course is for students who are currently enrolled in any DAT or Multimedia course which uses the Macintosh computer. Students may use the lab hours to increase their skills using Adobe Photoshop, Adobe Illustrator and/or Quark Xpress. (Formerly ART 090L). Units do not apply to the associate degree. Offered on CR/NCR basis only.

DAT 095L OPEN CADD LAB
Units: 1.00-2.00
3.00-6.00 hours lab weekly, May be taken 4 times for credit
An open lab for the currently enrolled design arts and technology student who wishes to increase skills through the use of the CAD lab. Concurrent enrollment with another DAT course. Units do not apply to the associates degree. Offered on credit/no credit basis only.

DAT 097L OPEN MULTIMEDIA LAB
Units: 1.00-2.00 3.00 hours lab weekly, May be taken 4 times for credit
An open lab for the currently enrolled DAT student who wishes to increase skills through the use of the multimedia lab facility. Concurrent enrollment with another DAT course. (Formerly MULTI 090L). Units do not apply to the associate degree. Offered credit/no-credit only.

DAT 100A INTRO TO DESIGN TECHNOLOGY I
Units: 1.00 - CSU
1.00 hours lecture weekly
A short-term course focusing on basic computer operations, along with exploring various software used specifically for the design arts. The course also covers resolving software conflicts and the key to management. Part one of three introduction courses to technology. (Formerly MULTI 050).

DAT 100B INTRODUCTION TO DESIGN TECHNOLOGY II
Units: 1.00 - CSU
1.00 hours lecture weekly
A short-term course focusing on defining and exploring desktop computer hardware systems used specifically in the design arts. Discussion is on high-end printers, options in file storage, and resolving hardware conflicts. Part two of three introductory courses in technology. (Formerly DAT 180).

DAT 100C INTRODUCTION TO DESIGN TECHNOLOGY III
Units: 1.00 - CSU
1.00 hours lecture weekly
A short-term course focusing on exploring peripherals like digital cameras, camcorders and scanners used specifically in the design arts. The course will define file formats and compression theories. Part three of introduction course in technology.
DAT 101 SURVEY OF DESIGN ARTS TECHNOLOGY
Units: 3.00 - CSU
3.00 hours lecture weekly
Surveys the design arts and technology industry, including discussing commercial, artistic, and technical aspects of its development and production. Topics covered include the definition of design arts and its tools of production along with occupational opportunities and critically evaluating the design arts. (Formerly MULTI 120).

DAT 105 DIGITAL PHOTOGRAPHY I
Units: 3.00 - UC:CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
A semester long course covering basic to intermediate level digital photographic manipulation. Topics will include demonstration of Adobe Photoshop software, scanning, image compositing, color correction and use of digital cameras. (Formerly MULTI 165). Same as PHOTO 165.

DAT 140 VISUAL DESIGN
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Using traditional and computer art tools, students learn principles of design including: line, shape/form, space, size/scale, texture/pattern, orientation, light, value, volume, perspective, typography and color. These principles are explored in a series of progressive projects that help students produce media that are aesthetically rich and artistically sound. Knowledge from DAT 100A, 100B and 100C or basic computer knowledge is assumed. (Formerly MULTI 140).

DAT 142 2D COMPUTER ILLUSTRATION
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Introductory course in the methods, materials and techniques used for commercial illustration. Emphasis is placed on two-dimensional aspects of computer illustration using Adobe Illustrator and Adobe Photoshop on the Macintosh computer to develop textures, lines, shapes, colors while creating forms to illustrate books, editorials, and graphic communications. Students will develop illustrations from concept to completion and understand the use of commercial illustration as a career path. Basic computer knowledge is assumed. (Formerly ART 223).

DAT 144 GRAPHIC DESIGN I
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
A survey in basic design of print graphics that covers both beginning page layout and logo design. The course will include instruction in several computer applications. Basic computer knowledge is assumed. (Formerly ART 254).

DAT 145 TYPE & TYPOGRAPHY
Units: 3.00 - UC:CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Introductory course in the history, development and creation of western letter forms and typography for use in advertising, print media, publications and other areas of communication and graphic design. Emphasis is placed on the ability to understand the nature of letterforms, the importance of typography in society, and the use of visual techniques to develop typographical sensitivity. Traditional hand lettering and the use of the computer will enable students to explore a variety of typographical characteristics, such as kerning, tracking and leading. Basic computer knowledge is assumed. (Formerly ART 260).

DAT 148 PACKAGING DESIGN
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
An introductory course in the use, design and marketing of products, and the packages in which they are displayed. The course focuses on two and three-dimensional design, environmentally sound design, and the marketing strategies of packaging design. Students will study the history of packaging, the materials that are used (past and present) and develop an understanding of the future of package design. (Formerly ART 264).

DAT 150 INTRODUCTION TO MECHANICAL DRAFTING AND AUTO/CAD
Units: 3.00 - UC:CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
This entry-level course emphasizes the theory of mechanical drafting and includes drawings done on the board featuring line quality, lettering, orthographic projection and isometric sketching. AutoCAD’s structure, draw and edit commands will be introduced. Some drawings will be computer generated. (Same as ENGR 150.)
**DAT 151 AUTOCAD FOR MECHANICAL DRAFTING**
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
*Recommended preparation: DAT 150 or equivalent.*
This hands-on course covers the majority of drawing and editing commands and procedures necessary to complete basic 2D working drawings.

**DAT 163 ARCHITECTURAL DRAFTING I**
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Provides student with information concerning current practices in architectural drafting and construction technology sufficient for the student to produce a set of working drawings for a small single family residence. Drafting techniques will emphasize clarity, line weight expression and accuracy. (Formerly DAT 170).

**DAT 172 DIGITAL EDITING**
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
An introductory level course designed to teach software applicable to desktop computer non-linear editing programs such as Adobe's Premiere and After Effects. The course will include making short video projects. It is highly recommended to take this course concurrently with RTVF 118, Editing. (Formerly MULTI 168.)

**DAT 173 AUDIO AND MOTION GRAPHICS**
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Introduction to the concepts and procedures of multimedia audio and video production emphasizing the creation, editing, and retooling of audio and video files for multimedia projects; fundamentals of camera operation, lighting, non-linear audio and video editing software, and storyboarding for interactive media. The course will utilize recording software, samplers, computers, video recorders and digital editing equipment. (Formerly MULTI 150).

**DAT 175 MULTIMEDIA PRODUCTION**
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Students work collaboratively to design and produce small-scale, multimedia products such as web sites and presentations. Working with instructor, students design projects, create storyboards, write scripts, and create media including interfaces. Course also covers the production cycle for multimedia projects and learn how to communicate effectively in multimedia teams. (Formerly MULTI 170).

**DAT 177 WEB PAGE DESIGN**
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Learn visual web page design introduced through powerful software supporting dynamic HTML. Incorporate interactive media using animation, sound, and graphics. Will also focus on the importance of aesthetics and interactive design principles in multimedia. (Formerly MULTI 180).

**DAT 178 SPECIAL TOPICS: COMPUTER GRAPHICS**
Units: 0.50-3.00 - CSU
0.50-3 hours lecture weekly, May be taken 4 times for credit
An exploration of various techniques and subjects related to processes in computer graphics. Topics to be announced per semester. Please see the current schedule of classes for specific course description and recommended preparation.

**DAT 178 SPECIAL TOPICS: ARCHITECTURE**
Units: 0.50-3.00 - CSU
0.50-3.00 hours lecture weekly
An exploration of various topics related to architecture. See class schedule for topics to be announced each term.

**DAT 242 GRAPHIC DESIGN II**
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 2 times for credit
An advanced course to further develop visual communication skills in print graphics. The course will utilize sev-
## New and Former Design Arts and Technology Course Numbers/Titles

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G=Graphics, MM=Multimedia, AD=Architectural Drafting, MD=Mechanical Drafting, ID=Interior Design.
eral computer application programs in page layout, illustration and digital imaging to explore brochure, advertising and logo design.

**DAT 244 GRAPHIC DESIGN PRODUCTION**
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
An introductory course in output and creation of mechanicals for printed communications. Students develop an understanding of the use of camera-ready art such as 4-color and spot color separations, negatives and positives. Emphasis on learning the language of print production and of printers, printer specifications, and the appropriateness of traditional and digital camera-ready art methods. Creation of mechanicals for specific assignments develops the understanding of the production process. Discussions of greyscale, color, and halftone images, both digital and traditional, will complete the understanding of document and image handling, scanning and production. (Formerly ART 255).

**DAT 249 GRAPHIC DESIGN PORTFOLIO**
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
In this course, students will learn to prepare and present a graphic design portfolio in a professional manner. Emphasis will be on appropriate selection of work, concept improvement and methods of presentation.

**DAT 252 MECHANICAL DRAFTING II**
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Covers working, assembly, detail and exploded view drawings with emphasis on dimensioning practice using ASME Geometric Dimensioning and Tolerancing Standards. These dimensions will be applied to AutoCAD generated drawings. Parametric design-driven dimensioning will be introduced on drawings using software such as Mechanical Desktop, Ironcad, and/or Solidworks. (Formerly DAT 152).

**DAT 253 SOLIDS MODELING FOR MECHANICAL DRAFTING**
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 3 times for credit
Covers topics relating to design and development of mechanical parts with solids modeling programs such as Mechanical Desktop, Ironcad, and/or Solidworks. Parts development will involve practices used in current engineering environment.

**DAT 259 MECHANICAL DRAFTING PORTFOLIO**
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Recommended preparation: DAT 151, 252, 282, 283.
In this course, students will learn to prepare and present a mechanical drafting portfolio in a professional manner. Emphasis will be on appropriate selection of work, concept improvement and methods of presentation.

**DAT 260 CODES AND ZONING REGULATIONS**
Units: 3.00 - CSU
3.00 hours lecture weekly
An in-depth review of the Uniform Building Codes, ADA or California Title 24 (Disabled Access Regulations based on the governing laws of Americans with Disability Act) as related to commercial, residential and institutional projects. Students will apply building and zoning codes for the design and drafting in architecture and interior design.

**DAT 262 ARCHITECTURAL DRAFTING II**
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Advanced architectural/residential drafting will include drawing of a set of working drawings for a two-story home with detail drawings of stairways, fireplace, and interior elevations. Perspective and axonometric drawings will be generated from the plans. Recommended preparation: DAT 163. (Formerly DAT 171).

**DAT 264 AUTOCAD FOR ARCHITECTURE & INTERIOR DESIGN**
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
This hands-on course covers the majority of drawing and editing commands and procedures to complete basic 2-D drawings for architectural floor plans and axonometric drawings.
DAT 265 ADVANCED CADD FOR ARCHITECTURE AND INTERIOR DESIGN
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 2 times for credit
This advanced course includes the software technology to create 3D conceptual designs. These 3D drawings are used for design development, construction documents and working drawings. Detail drawings can be created and reused by assembling parametric material components. (Formerly DAT 173).

DAT 269A INTERIOR DESIGN PORTFOLIO
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Recommended preparation: DAT 266
In this course, students will learn to prepare and present an interior design portfolio in a professional manner. Emphasis will be on appropriate selection of work, concept improvement and methods of presentation.

DAT 269B ARCHITECTURAL DESIGN PORTFOLIO
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
In this course, students will learn to prepare and present a professional architectural design portfolio. Emphasis will be placed on the appropriate selection of work, concept improvement and methods of presentation.

DAT 271 ADVANCED DIGITAL PHOTOGRAPHY
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
An advanced course covering expert skills in digital imaging software and hardware. Topics will include sophisticated image compositing and color correction, as well as utilizing the software for complex web imagery, optimization and animation. (Same as PHOTO 205.)

DAT 275 MULTIMEDIA PRODUCTION II
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Students work collaboratively to design and produce a full-scale, multimedia project - online tutorial, interactive game, informative kiosk, etc. Using discrete skills acquired in prior courses, students put it all together from concept formation to formulative evaluation. The real world multimedia productions will include creating media, authoring, formative evaluation, writing documentation and instructional manuals. Also, students learn important communication skills, including interviewing clients, meeting management and presentation skills. (Formerly MULTI 175).

DAT 277 ADVANCED WEB PAGE DESIGN
Units: 3.00
2.00 hours lecture weekly, 3.00 hours lab weekly
Covers advanced topics in web page design. A variety of software packages will be explored in order to incorporate expert techniques in interactive media using animation, sound, and graphics. There will be an emphasis on the importance of aesthetics and interactive design principles in multimedia.

DAT 279 MULTIMEDIA PORTFOLIO
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Students learn to prepare and present a multimedia portfolio in a professional manner. Emphasis is on appropriate selection of work, concept improvement and methods of presentation. (Formerly MULTI 295).

DAT 282 ADVANCED AUTOCAD (2D)
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Commands for complex 2-D working drawings will be covered along with blocks, attributes and AutoCAD® system variables for improved user efficiency. (Formerly DAT 182).

DAT 283 ADVANCED AUTOCAD - 3D
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
3-D drawings will be generated on the computer using parametric and solid modeling techniques. (Formerly DAT 183).
DAT 284 INTRODUCTION TO 3D STUDIO ANIMATION FOR ARCHITECTURE AND INTERIOR DESIGN
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
An introduction to 3D software specifically designed for creating walk-throughs and fly-bys of architectural visualizations on building projects. With this realistic animation and renderings software, clients can walk-through and understand spatial quality of lighting strategy, window locations and optimum views.

DAT 286 FUNDAMENTALS OF AUTOLISP & AUTOCAD CUSTOMIZATION
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
An introduction to AutoCAD®’s on-line interpreted language used in the creation of automated routines for drafting and design tasks, and for creating custom menus. An overview of menu file construction and language. Keyboard macros and script files are also covered. (Formerly DAT 186).

DAT 299 DIRECTED STUDIES
Units: 1.00-3.00 - CSU
Provides students with further work and experience in the design arts and technology field. Recommended preparation: Instructor approval. (Formerly MULTI 299).

EARLY CHILDHOOD EDUCATION

ECE 110 INTRODUCTION TO EARLY CHILDHOOD EDUCATION
Units: 3.00 - CSU
3.00 hours lecture weekly
An overview of history, philosophies, and development of the field of early childhood education. Course includes basic history and theories, developmental ages and stages, types of programs, roles of teachers, parent partnerships, and current issues and trends. Field observation at sites designated by the instructor will be required. It is recommended that CD-116A lab experience be taken concurrently. This course is a prerequisite for ECE 115. (Formerly CHLDEV 110)
Note: Meets partial requirements to apply for the child development permit to teach in the Title XXII and Title V programs.

ECE 115 CURRICULUM DEVELOPMENT & CLASSROOM MANAGEMENT OF EARLY CHILDHOOD EDUCATION PROGRAMS
Units: 3.00 - CSU
3.00 hours lecture weekly
Prerequisite: ECE/CHLDEV 110, grade of C or better.
Continues from Child Development 110 and includes teacher’s role and goals in facilitating a developmentally appropriate learning environment for young children. The course will cover planning and implementing the physical, temporal and interpersonal environment; including materials and equipment, activity plans, scheduling, routines, transitions, group time as well as techniques in implementation. Also, integrated into this course are techniques for guiding behavior. Emphasis is on meeting the individual needs of the whole child including acknowledgment of diversity. This course meets the CDA competency goals for center based home day care provider programs. (Formerly CHLDEV 115)
NOTE: This course meets the requirements to teach in a licensed program.

ECE 116A CURRICULUM DEVELOPMENT/CLASSROOM MANAGEMENT LAB A
Units: 1.00 - CSU
3.00 hours lab weekly
Corequisite: Previous completion or concurrent enrollment in ECE/CHLDEV 110.
Three hours supervised field work/lab weekly per unit. Supervised experience working with children relating previous or concurrent course work to practical application in the on-campus FSECE toddler and preschool program or in a certified ECE mentor site in the community. Emphasis is on observation, implementation and evaluation of classroom experience for young children. (Formerly CHLDEV 116A)
EARLY CHILDHOOD EDUCATION

ECE 116B CURRICULUM DEVELOPMENT/CLASSROOM MANAGEMENT LAB B
Units: 1.00 - CSU
3.00 hours lab weekly
Prerequisite/Corequisite: ECE/CHLDEV 116A and completion or concurrent enrollment in ECE/CHLDEV 115.

Three hours supervised field work/lab weekly per unit. Supervised experience working with children relating previous or concurrent course work to practical application in the on-campus FSECE toddler and preschool program or in a certified ECE mentor site in the community. Emphasis is on observation, implementation and evaluation of classroom experience for young children. (Formerly CHLDEV 116B)

ECE 116C CURRICULUM DEVELOPMENT/CLASSROOM MANAGEMENT LAB C
Units: 1.00 - CSU
3.00 hours lab weekly
Prerequisite: ECE/CHLDEV 116A and 116B.

Three hours supervised field work/lab weekly per unit. Supervised experience working with children relating previous or concurrent course work to practical application in the on-campus FSECE toddler and preschool program or in a certified ECE mentor site in the community. Emphasis is on observation, implementation and evaluation of classroom experience for young children. (Formerly CHLDEV 116C.)

ECE 120 CHILD GROWTH & DEVELOPMENT
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Covers the process of growth and change, which occur in human development spanning conception, infancy, toddlerhood, early childhood and middle childhood. An in-depth study of each stage of the field and current predominant theories are also covered. Course assignments reflect individual student interest within each area of development and may include observations, research papers, interviews, site visits and related projects.

NOTE: This course meets part of the core requirement to teach in a licensed early childhood program. (Formerly CHLDEV 120.)

ECE 125 CHILD FAMILY & COMMUNITY
Units: 3.00 - CSU
3.00 hours lecture weekly
The child will be studied in various contexts, where the interrelationships between family, school and community are seen as the foundation for human development. Cultural, social and family issues are studied as they relate to the developing child. Emphasis is on societal issues that impact children and their families, and how that impact effects the roles of the early childhood educator. Community resources for families and professionals are researched. Note: This course is part of core curriculum meeting requirements for state licensing Title XXII, Title V programs and the child development permit matrix. (Formerly CHLDEV 125.)

ECE 130 INFANT/TODDLER DEVELOPMENT AND CURRICULUM
Units: 3.00 - CSU
3.00 hours lecture weekly
An overview of infant/toddler development and its implications for group child care settings. Principles of infant/toddler philosophy and caregiving will be emphasized. (Formerly CHLDEV 130).

ECE 135 SCHOOL AGE CHILD CARE PROGRAMS AND CURRICULUM
Units: 3.00 - CSU
3.00 hours lecture weekly
Examines the need for and design of school age child care programs. Emphasis on developmental stages of the child ages 5-13 and curriculum development. The relationship of the family to the community and the special needs of the school age child will be discussed. (Formerly CHLDEV 135)

ECE 140 RECREATIONAL LEADERSHIP IN SCHOOL AGE CHILD CARE
Units: 3.00 - CSU
3.00 hours lecture weekly
Presents different leadership techniques and styles as they apply in leading various recreational activities for school age children. An overview of the development of the child ages 5-13 will be covered. Emphasis is on behavioral management skills and recreational activities for large groups of children. (Formerly CHLDEV 140).
ECE 144 MUSIC AND MOTOR DEVELOPMENT FOR THE YOUNG CHILD
Units: 2.00 - CSU
2.00 hours lecture weekly
Provides the basic skills, methods and theory in music and motor activities as related to the young child. Students develop a portfolio of materials, design lesson plans, and participate in classroom demonstrations. (Formerly CHLDEV 144).

ECE 151 ART AND CREATIVITY FOR YOUNG CHILDREN
Units: 2.00 - CSU
2.00 hours lecture weekly
Designed to explore art and creativity in young children. Students plan and implement art activities for young children including selection of developmentally appropriate media, motivational techniques and classroom arrangements. A creative art curriculum resource file will be developed. (Formerly CHLDEV 151).

ECE 155 SCIENCE & MATH FOR THE YOUNG CHILD
Units: 2.00 - CSU
2.00 hours lecture weekly
Provides an experimental and discovery approach to learning in the areas of science and math. The student will select an area of scientific interest that is developmentally appropriate for the preschool child and develop it for the classroom. The student will also develop math concepts for children’s manipulation based on the Piagetian Theory. (Formerly CHLDEV 155)

ECE 156 LITERATURE & LANGUAGE DEVELOPMENT FOR THE YOUNG CHILD
Units: 2.00 - CSU
2.00 hours lecture weekly
Emphasizes a basic understanding of how children learn language skills. Students will develop techniques to promote and establish a language and literature program in the preschool setting through the use of flannel board activities, stories, puppets, drama, finger plays and circle activities. (Formerly CHLDEV 156)

ECE 157 LITERACY IN EARLY CHILDHOOD
Units: 3.00 - CSU
3.00 hours lecture weekly
Reflects the most current knowledge about how young children learn to read and write coupled with practical, developmentally appropriate strategies to use with children, birth through eight years of age. (Formerly CHLDEV 199).

ECE 160 UNDERSTANDING & EDUCATION OF EXCEPTIONAL CHILDREN
Units: 3.00 - CSU
3.00 hours lecture weekly
An introduction to the field of special education, emphasizing the developmental theories as they apply to the understanding and education of exceptional children through age eight. An overview of special needs categories as defined by PL94-142 (IDEA), inclusion, preparation of Individual Education Plan (IEP’s), and current topics and trends will be discussed. (Formerly CHLDEV 160)

ECE 165 TEACHING CHILDREN IN A DIVERSE COMMUNITY
Units: 3.00 - CSU
3.00 hours lecture weekly
Covers the impact of social, political, economic and cultural issues that shape values, beliefs, and behaviors. Students explore their own personal experiences to increase their understanding of the impact these issues have on teaching children in a multicultural, multilingual, diverse community. Students learn how to facilitate a culturally inclusive learning environment, and increase skills in developing partnerships with families. (Formerly CHLDEV 165)

ECE 173 CHILDHOOD NUTRITION
Units: 2.00 - CSU
2.00 hours lecture weekly
Examines the nutritional needs of children, from infancy through school-age, in theory and in practice. Includes techniques for applying sound nutritional principles for parents and professionals at home and in the curriculum of early childhood programs. Techniques for involving children in planning and preparing healthy snacks will be covered. This course meets the requirements for ‘In-Home Child Care Specialists’ and Pre-school/School Age Certificates. (Formerly CHLDEV 173)
ECE 175 HEALTH CONCERNS AND FIRST AID IN EARLY CHILDHOOD
Units: 1.00 - CSU
1.00 hours lecture weekly
Emphasizes the care of children in both health and illness. Through lecture and discussions and selected articles, the student learns normal growth and development patterns, variations in these patterns, how culture and family may impact the child's behavior and how to care for a child who is ill. Also introduces the major health problems associated with the newborn, infant, early and late childhood, and how to cope with these illnesses. Basic pediatric first aid and health and safety for the above age groups is discussed. Meets Title 22 requirements for Infant/Child C.P.R. and first aid. Students can earn pediatric First Aid/Infant/Child C.P.R. and Health and Safety Child Care Certificate. (Formerly CHLDEV 175)

ECE 198 SPECIAL TOPICS IN EARLY CHILDHOOD EDUCATION
Units: 0.25-1.00 - CSU
0.25 hours lecture weekly
Addresses current pre/in-service training topics relevant to the community of early childhood educators and parents. Suggested topics include: parenting issues, expanding ECE curriculum, discipline/guidance, parent/teacher conferences, the parent/teacher relationship, observation techniques and application, developing a professional portfolio, prekindergarten guidelines and other topics as needed. See current class schedule for topic offered each term. (Formerly CHLDEV 290).

ECE 201 SUPERVISION AND ADMINISTRATION OF CHILDREN'S PROGRAMS
Units: 3.00 - CSU
3.00 hours lecture weekly
Identifies principles and practices of supervision and administration of children's programs. Content includes Title 22 and Title V requirements regarding organizational structure, budgeting, personnel policies and practices, record keeping reporting, relationships with community resources, regulatory agencies and parents. An overview of social and public policy and professional groups influencing child development today. (Formerly CHLDEV 201)

ECE 202 ADVANCED SUPERVISION AND ADMINISTRATION OF CHILDREN'S PROGRAMS
Units: 3.00 - CSU
3.00 hours lecture weekly
Prerequisite: CHLDEV 201 or ECE 201
Builds on the competencies acquired in 201 and includes opportunities for administrators of children's programs to learn techniques in hiring and training staff. Also covers philosophies of management and staff relations including team building and human resources development. This course meets one of the requirements of the Child Development Permits for Site Supervisor or Program Director as needed for Title V programs. (Formerly CHLDEV 202)

ECE 220 ADULT SUPERVISION IN EARLY CHILDHOOD EDUCATION: THE MENTORING PROCESS
Units: 2.00 - CSU
2.00 hours lecture weekly
Covers all aspects of supervising the adult learner in a child care setting, as well as the use of the Early Childhood Environmental Rating Scale (Harmes and Clifford), an instrument used to evaluate the quality of early childhood environments. This course satisfies the adult supervision requirement for the Master Teacher level of the Child Development Permit from the Commission on Teacher Credentialing. This is a required course for all candidates of the Mentor Teacher Program. (Formerly CHLDEV 220)

ECE 225 MENTOR TEACHER SEMINAR
Units: 0.50 - CSU
0.50 hours lecture weekly
Prerequisite: CHLDEV 220 or ECE 220
Designed for mentor teachers certified by the California Mentor Teacher Program to meet mentor teacher professional development requirements. Offered credit/no-credit only. (Formerly CHLDEV 225)

ECE 226 THE IMPACT OF VIOLENCE ON CHILDREN
Units: 3.00 - CSU
3.00 hours lecture weekly
Designed to explore the violent and aggressive behavior and its impact on the physical and psychological well-being of children and families. Students will look at the
diverse perspectives on violence, be it in the home or in
the community, and its impact on the stages of child
development. Focus will be on the early childhood edu-
cator's role in teaching young children alternatives to
violent behavior. (Formerly CHLDEV 226)

ECE 227 VIOLENCE INTERVENTION:
BEHAVIOR MANAGEMENT
STRATEGIES
Units: 3.00 - CSU
3.00 hours lecture weekly
Prerequisite: CHLDEV 226 or ECE 226
Builds on ECE/CHLDEV 226. Course provides early child-
hood educators with the skills to work with children and
families that have been exposed to violence and aggres-
sion. Students identify specific characteristics that chil-
dren exhibit from exposure. Techniques for classroom and
behavior management will be presented including the
power of play and play materials in helping children
resolve conflict and find alternatives to violent behavior.
(Formerly CHLDEV 227)

ECE 290 CURRENT ISSUES IN CHILD
DEVELOPMENT
Units: 0.25-1.00 - CSU
0.25 hours lecture weekly
Various topics may include advanced supervision and
management, curriculum, mainstreaming, multicultural,
nutrition, Piaget, discipline, child abuse, conferencing,
home safety and various workshops.

ECE 299 DIRECTED STUDY IN CHILD
DEVELOPMENT
Units: 1.00 - CSU
1.00 hour lecture weekly
Course presents an overview of the growth and devel-
opment of the infant, birth to walking, and the toddler,
walking age to 30 months, as relates to programs
designed for parent and child together. Course includes
outside observations of established parent infant/toddler
programs, and in class experiences planning age appro-
priate programs. Emphasis on practical experiences
with curriculum, parenting topics.

ECONOMICS

ECON 130 CONSUMER ECONOMICS
Units: 3.00 - CSU
3.00 hours lecture weekly
Elements and concepts of financial planning and deci-
sion-making in the areas of budgeting, taxes, borrowing,
money management, consuming, insurance, investments,
retirement, and estate planning will be analyzed with an
emphasis on application to changing family needs.

ECON 150 CONTEMPORARY
ECONOMICS
Units: 3.00 - CSU
3.00 hours lecture weekly
A one-semester economics course designed to give the
student a general, elementary knowledge of basic eco-
nomic concepts and serve as an introduction to more
advanced economic courses. Covers basic concepts
such as supply and demand, unemployment and inflation,
GDP, monetary and fiscal policy, the firm, production
decisions, profits and losses, and international trade.

ECON 170 ECONOMIC HISTORY OF
THE UNITED STATES
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Survey of the economic development of the U.S.
emphasizing a topical approach rather than strict
chronology. Includes the development of business
cycles, trade, banks in the new nation, manufacturing,
tariffs, slavery, big business, labor, government regula-
tions and deregulation leading to a modern industrial
nation. Fulfills the American Institutions requirement in
U.S. History. (Same as HIST 170).

ECON 201 MACROECONOMICS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
CAN: ECON 2
Macroeconomics studies economic problems facing the
nation such as unemployment, inflation, aggregate
demand and supply, gross domestic product (GDP), fis-
cal policy, monetary policy and supply-side economics,
debts-deficits-surpluses, money and banking, the
Federal Reserve System.
ECON 202 MICROECONOMICS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
CAN: ECON 4
"Prerequisite: ECON 201"
Microeconomics studies how the individual, the firm and industries behave in our economy by looking at supply and demand, perfect competition, monopolies, oligopolies, monopolistic competition, wages, prices and profits.

ECON 291 STATISTICAL METHODS IN BUSINESS AND ECONOMICS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
"Prerequisite: MATH 070"
A course in descriptive statistics, elements of probability, probability distributions, sampling estimation, confidence intervals, tests of hypothesis, linear regression and correlation. Applications to problems in business and economics. Writing and the use of spreadsheet software are required. (Same as BUS 291.)

ENGINEERING

ENGR 101 INTRODUCTION TO SCIENCE, ENGINEERING & TECHNOLOGY
Units: 2.00 - CSU
2.00 hours lecture weekly
An introduction to engineering and engineering technology. Topics include history, careers, ethics and responsibilities, and engineering calculations and problem solving (examples from mechanics, dynamics, and fluids). The curricula are also examined. Various engineering systems are modeled. The design process is examined. Guest speakers from various engineering fields are invited to speak.

ENGR 150 INTRODUCTION TO MECHANICAL DRAFTING AND AUTOCAD
Units: 3.00 - UC:CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
This entry-level course emphasizes the theory of mechanical drafting and includes drawings done on the board featuring line quality, lettering, orthographic projection and isometric sketching. AutoCAD®’s structure, draw and edit commands will be introduced. Some drawings will be computer-generated. (Same as DAT 150).

ENGR 151 MATERIALS OF ENGINEERING
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
"Prerequisite: CHEM 201"
Covers properties of materials as they relate to atomic and crystal structure. Topics include: atomic structure and bonding; crystalline structures; phases and phase diagrams; metals; polymers; electrical and magnetic properties. Additional topics include optical properties, corrosion and process methods.

ENGR 152 STATICS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
"Prerequisite: MATH 212 and PHYSIC 220."
Applications of the principles of mechanics to rigid bodies in two- and three-dimensional equilibrium. Analytical and graphical solutions using force vectors and equivalent force systems to solve problems pertaining to friction, centroids, center of gravity, and moments of inertia for areas.

ENGR 153 ELECTRICAL CIRCUITS I
Units: 4.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
"Prerequisite: MATH 212 and PHYSIC 221."
Electric circuit analysis in both time and frequency domains, transient and steady state solutions. Topics include linear circuit analysis techniques, Kirchoff’s laws, Network theorems, mesh and nodal analysis, OP amps and amplifiers, Thevenin/Norton equivalents, natural-forced- complete response of RLC circuits, AC circuits, phasors, three-phase power, frequency response, and resonance.
ENGLISH 010 COLLEGE SKILLS: READING & STUDY SKILLS
Units: 3.00
3.00 hours lecture weekly
A program of individual and group instruction in reading and study skills designed for students who are not eligible to take ENGL-034. Units do not fulfill the communications skills requirement and may not be applied toward elective units for the AA degree. Offered credit/no-credit only.

ENGLISH 011 COLLEGE SKILLS: GRAMMAR & WRITING
Units: 3.00
3.00 hours lecture weekly
A program of individual and group instruction in grammar and writing designed for students who are not eligible to take ENGL-035. Units do not fulfill the communication skills requirement and may not be applied toward elective units for the AA Degree. Offered credit/no-credit only.

ENGLISH 012 COLLEGE SKILLS: SPELLING & VOCABULARY
Units: 3.00
3.00 hours lecture weekly
A program of individual and group instruction in spelling and vocabulary designed for students who are not eligible to take ENGL-033. Units do not fulfill the communication skills requirement and may not be applied toward elective units for the AA Degree. Offered credit/no-credit only.

ENGLISH 034 READING SKILLS
Units: 3.00
3.00 hours lecture weekly
Efficiency in reading comprehension and speed by a study of techniques of reading with an emphasis on practical material. Improvement in reading vocabulary. Course is not degree applicable and offered credit/no-credit only.

ENGLISH 035 SENTENCE WRITING
Units: 3.00
3.00 hours lecture weekly
Individualized and group learning laboratory where students improve sentence grammar, word usage, mechanics and punctuation. Course is not degree applicable and offered credit/no-credit only.

ENGLISH 063 STUDY SKILLS/LISTENING & NOTETAKING
Units: 1.00
1.00 hours lecture weekly
Skills necessary for college study: reading textbooks, time management, concentration techniques, test preparation, marking textbooks, memory improvement, listening skills, note-taking, capturing the main idea and organization. Course is not degree applicable and offered credit/no-credit only.

ENGLISH 080 INTRODUCTION TO COLLEGE READING
Units: 3.00
3.00 hours lecture weekly
Prerequisite: Appropriate placement as determined by the COC assessment process or a CR in ENGL 034. Offers students the critical reading skills to better enjoy, comprehend, and analyze their college reading through a survey of nonfiction and fiction literature: the essay, drama, short story, fantasy, mystery, romance, and science fiction. Meets Associate Degree Reading Competency requirement.

ENGLISH 090 WRITING SKILLS
Units: 3.00
3.00 hours lecture weekly
Prerequisite: Appropriate placement as determined by the COC English assessment process or attainment of that level through ENGL 035.
An individualized and group learning laboratory where students develop sentence and paragraph writing skills. (Meets the Communication Skills requirement for the associate degree.)

ENGL 092 INTRODUCTION TO TECHNICAL WRITING
Units: 3.00
3.00 hours lecture weekly
Prerequisite: ENGL 035.
Helps students develop the skills needed to write successfully in the workplace. Introduces the rhetorical principles and compositional practices necessary for writing effective business letters, memos, resumes, and reports.

ENGL 095 WRITING SKILLS WORKSHOP
Units: 1.00
1.00 hours lecture weekly
Corequisite: ENGL 090.
A workshop that emphasizes the critical writing and reading activities of ENGL 090. Focused activities designed to supplement the academic work of ENGL 090 include: assistance with grammar, sentence structure, usage, organization of the paragraph, and critical reading. Offered credit/no-credit only.

ENGL 101 ENGLISH COMPOSITION & LITERATURE
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
CAN: ENGL 2
Prerequisite: Completion of English 090 or 092 and 080 or ESL 100 or appropriate placement as determined by the COC assessment process in both writing and reading.
Principles and methods of expository writing, with reading and analysis of expository prose, plus limited exposure to creative literature.

ENGL 101H HONORS ENGLISH COMPOSITION & LITERATURE
Units: 4.00 - UC:CSU
4.00 hours lecture weekly
Prerequisite: Appropriate placement as determined by the COC English assessment process or successful completion of ENGL 080 and ENGL 090 or ENGL 092 or ESL 100.
Expository writing, with an emphasis on analysis and interpretation, plus application of skills for writing a research paper. Additional work on skills necessary for becoming an above-average student.

ENGL 102 INTERMEDIATE COMPOSITION, LITERATURE & CRITICAL THINKING
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
CAN: ENGL 4
Prerequisite: English 101
Designed to develop skills beyond those attained in English 101, this course provides instruction and practice in critical thinking and writing strong arguments using literature short stories, plays, novels, poems as subject matter. Through close reading of challenging literary works, discussion, and argumentative writing, students will develop critical thinking skills.

ENGL 103 CRITICAL READING, WRITING & THINKING
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Prerequisite: ENGL 101
Focuses on close textual analysis, argumentative/persuasive writing, and critical thinking skills. Students apply critical thinking skills in writing essays on topics from various academic disciplines. Non-fiction from various fields provides the content for developing these thinking and writing skills. Designed to develop critical thinking, reading, and writing skills beyond the level attained in ENGL 101.

ENGL 105 CREATIVE WRITING
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Designed for students who have mastered fundamental writing skills, who want to experience developing ideas imaginatively in either prose or poetry.
ENGLISH

ENGL 106 CREATIVE WRITING - NONFICTION
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Students will study and write nonfiction prose, emphasizing description, narration, and the personal essay. Writing practice will stress the writer’s awareness of his or her own style and the manipulation of stylistic elements.

ENGL 107 INTRODUCTION TO PLAYWRITING
Units: 3.00 - CSU
3.00 hours lecture weekly
An introduction to playwriting. Includes discussion and analysis of structure, development of character, writing dialogue, and composition of a two-act play. (Same as THEATR 230).

ENGL 134 CRITICAL READING
Units: 3.00 - CSU
3.00 hours lecture weekly
Focuses on reading which college students must do to succeed in an academic program and serves the needs of the community. High-interest selections come from many disciplines enabling students to learn to read efficiently (speed and comprehension); to improve concentration and retention; to analyze a reading for main ideas, principal interpretation, and appropriate conclusions; to answer application questions of inference; and to critically evaluate material across the curriculum. Vocabulary development is an integral part of this course.

ENGL 135 LITERATURE AND FILM
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An introduction to literature through the comparative study of selected short stories, novels, and plays and the films based on these literary works.

ENGL 195 ENGLISH COMPOSITION & LITERATURE WORKSHOP
Units: 1.00 - CSU
1.00 hours lecture weekly, May be taken 2 times for credit
Corequisite: ENGL 101.
Individual and group learning workshop to support the academic activities of English 101. Emphasis is on critical reading skills as well as argument development and structural analysis. Offered credit/no credit only.

ENGL 250 BRITISH LITERATURE I
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
CAN: ENGL 8
A survey of British literature from the beginnings to the 19th century. (CAN SEQ B when both ENGL 250 and 251 completed).

ENGL 251 BRITISH LITERATURE II
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
CAN: ENGL SEQ B
A survey of British literature from 1800 to the present. (CAN SEQ B when both ENGL 250 and 251 completed).

ENGL 260 AMERICAN LITERATURE I
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A survey of American literature from the beginnings through 1860.

ENGL 261 AMERICAN LITERATURE II
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A survey of American literature from 1860 to the present.

ENGL 262 AMERICAN MULTICULTURAL LITERATURE
Units: 3.00 - CSU
3.00 hours lecture weekly
A survey of various genres of multicultural literature of the United States, addressing issues of voice, agency and the construction of American identity across racial, ethnic, regional, and gender boundaries in the cultural context of a diverse country.

ENGL 263 INTRODUCTION TO POETRY
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A study of the elements of poetry with emphasis on discovery of meaning by reading analytically. Major forms are examined, along with aspects of imagery, figurative language, rhythms, and sounds. Selected American, British and Continental poems are studied. Critical reading and writing are stressed.
ENGL 264 STUDY OF FICTION
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Study of selected prose fiction from different times and places in Western civilization. Emphasis on short fiction of the 19th and 20th centuries plus intensive work on one novel. Through close reading and discussion, students will learn to analyze and interpret prose narratives.

ENGL 265 INTRODUCTION TO DRAMA
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Reading, analysis and discussion of selected plays from Greek tragedy to contemporary drama. Emphasis will be placed on significant works of British and American playwrights.

ENGL 271 MYTHOLOGY
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A multicultural look at basic themes in mythology-creation, origin, fertility, heroic quest, natural phenomena, death and afterlife, and others to show their significance and relevance to individuals and cultures.

ENGL 272 THE BIBLE AS LITERATURE
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Reading and discussion of selected books of the Old and New Testament, and the Apocrypha: saga, myth, epic, story, historical writing, poetry, wisdom literature, prophecy, parables, letters, and proverbs.

ENGL 273 WORLD LITERATURE I
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A survey of world literature in translation from the early Chinese, Japanese, Indian, Ancient Greece, and Ancient Rome to the Middle Ages in Europe. The literary selections, serving as vehicles for understanding the experiences of the human family, are studied for appreciation of their artistic and cultural value.

ENGL 274 WORLD LITERATURE II
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A survey of world literature in translation from the Renaissance in Europe to the modern times including literature of China, Japan, Africa, and Latin America. The literary selections, serving as vehicles for understanding the experiences of the human family, are studied for appreciation of their artistic and cultural value.

ENGL 275 SHAKESPEARE
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A survey of the principles of Shakespearean drama. Detailed reading of selected comedies, tragedies and histories.

ENGL 280 WOMEN'S LITERATURE
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A study of women's literature, and women in short fiction, novels, poetry, drama and the essay. A major focus on the course will be how literature by women writers reflects women's roles in various cultural settings.

ENGLISH AS A SECOND LANGUAGE

ESL 040 INTENSIVE BEGINNING
ENGLISH AS A SECOND LANGUAGE
Units: 10.00
10.00 hours lecture weekly
Development of English speaking, listening, reading and writing skills. Basic practice in listening to and speaking English. Development of basic reading comprehension and survival vocabulary. Practice writing grammatical sentences, short narratives, letters, application forms, and descriptions. Units do not apply to the associate degree. Offered credit/no-credit only.
ENGLISH AS A SECOND LANGUAGE

ESL 041 INTENSIVE LOW INTERMEDIATE ENGLISH AS A SECOND LANGUAGE
Units: 10.00
10.00 hours lecture weekly. May be taken 3 times for credit. Development of English speaking, listening, reading and writing skills. Pronunciation practice of English sounds in the context of vocabulary and idioms used in class. Discussion and analysis of topics in American culture. Development of English reading comprehension and vocabulary building skills. Practice in writing simple, compound, and complex sentences and in writing short compositions and business letters. Units do not apply to associate degree. Offered on a credit/no credit basis only.

ESL 042 INTENSIVE HIGH INTERMEDIATE ENGLISH AS A SECOND LANGUAGE
Units: 5.00
5.00 hours lecture weekly. May be taken 2 times for credit. English speaking and listening practice in a variety of contexts. Emphasis on comprehension of information. Development of vocabulary appropriate in both formal and informal situations. Discussion and analysis of topics in American culture and cultural differences. Development of note-taking skills. Restricted to students whose native language is not English. Units do not apply to the associate degree.

ESL 045 VOCATIONAL ENGLISH AS A SECOND LANGUAGE
Units: 3.00
3.00 hours lecture weekly. May be taken 3 times for credit. Extensive introduction to and reinforcement of specific vocational concepts and language. Practice in pronunciation, grammar, and vocabulary relevant to the work setting. Restricted to students whose native language is not English. Graded on a credit/no-credit basis. Units do not apply to the associate degree.

ESL 061 LOW INTERMEDIATE LISTENING AND SPEAKING
Units: 3.00
3.00 hours lecture weekly. May be taken 2 times for credit. For low-intermediate to intermediate students focusing on listening comprehension and oral communication in a college environment and common social situations. Stresses listening, notetaking, speaking, and pronunciation skills and begins to prepare students for content-based college courses. Offered credit/no-credit and non-degree applicable.

ESL 070 READING & WRITING SKILLS
Units: 3.00
3.00 hours lecture weekly. May be taken 2 times for credit. Prerequisite: Credit in ESL 060 or appropriate placement as determined by the COC placement process. Intensive practice in writing basic English patterns; fundamentals of punctuation; spelling; vocabulary development; grammar; reading and writing of short paragraphs and essays. Offered on a credit/no credit basis only. Units do not apply to the associate degree.

ESL 071 INTERMEDIATE LISTENING AND SPEAKING
Units: 3.00
3.00 hours lecture weekly. May be taken 2 times for credit. Recommended Preparation: ESL 061. For intermediate students and focuses on listening comprehension and oral communication in a college environment and common social situations. It stresses extended listening, notetaking, speaking, and pronunciation skills and begins to prepare students for content-based courses. Offered on a credit/no-credit basis and not degree applicable.

ESL 075 ESL COMPUTER COMPOSITION
Units: 2.00
2.00 hours lecture weekly, 2.00 hours lab weekly. May be taken 2 times for credit. Computer Writing: Use of the computer to improve composition, grammar, and editing skills covered in the English as a Second Language writing classes. Units do not apply to the associate degree.
ENGLISH AS A SECOND LANGUAGE

ESL 080 INTERMEDIATE READING & COMPOSITION
Units: 3.00
3.00 hours lecture weekly
Prerequisite: Credit in ESL 070 or appropriate placement as determined by the COC placement process.
Intensive writing practice in complex sentence patterns. Reading and writing paragraphs and short essays. Punctuation, vocabulary development, and spelling.

ESL 081 ADVANCED LISTENING AND SPEAKING
Units: 3.00
3.00 hours lecture weekly, May be taken 2 times for credit
Recommended Preparation: ESL 071.
Focuses on listening comprehension and oral communication in a college environment and common social situations. Stresses extended listening, notetaking, speaking, and pronunciation skills and gives students skills for succeeding in content-based college courses. Students make presentations, conduct interviews and surveys, hold small group discussions, and prepare recordings of their speech. Offered credit/no-credit and not degree applicable.

ESL 083 HIGH INTERMEDIATE READING
Units: 4.00
4.00 hours lecture weekly, May be taken 3 times for credit
Development of English reading comprehension and vocabulary building skills in extended written materials. Restricted to students whose native language is not English. Units do not apply to the associate degree.

ESL 085 ACCENT REDUCTION
Units: 3.00
3.00 hours lecture weekly, May be taken 3 times for credit
Focus on breaking the accent barrier. English language stress, intonation, and phoneme patterns including oral practice of English. Aural discrimination and sound patterns reproduction. Units do not apply to the associate degree.

ESL 092 MEDICAL TERMINOLOGY FOR NON-NATIVE SPEAKERS
Units: 3.00
3.00 hours lecture weekly
Introduces, reinforces and provides practice in the recognition, pronunciation and use of medical terminology through intensive listening and speaking exercises. For non-native speakers who can benefit from intensive aural/oral practice. Not degree applicable and offered credit/no-credit only.

ESL 095 TOEFL PREPARATION I
Units: 3.00
3.00 hours lecture weekly, May be taken 4 times for credit
Focuses on developing essential language skills needed to obtain a satisfactory score in the Test of English as a Second Language - TOEFL. Emphasis will be on fine-tuning learners’ listening, reading, grammar, and writing skills. Development of test-taking skills and spelling practice. Restricted to students whose native language is not English. Units do not apply to the associate degree.

ESL 100 ADVANCED READING & COMPOSITION
Units: 4.00 - UC:CSU
4.00 hours lecture weekly, May be taken 2 times for credit
Prerequisite: One of the following - (1) minimum grade of C in ESL 080, or (2) appropriate placement as determined by the COC assessment process.
Reading, composition, and grammar for more advanced non-native speakers, designed to prepare students for transfer-level courses. Emphasis on reading of college-level material and on writing complex sentence patterns and paragraph-level composition.

ESL 105 PARAGRAPH TO ESSAY
Units: 4.00 - UC:CSU
4.00 hours lecture weekly
Practice of techniques of expository and argumentative writing based on personal experience, critical reading, and critical thinking. Designed to take students from the paragraph writing stage to the development of an essay.
FIRE TECHNOLOGY

Environmental Control
(See Water Systems Technology)

Family Studies
(See Early Childhood Education)

FIRE TECHNOLOGY

FIRETC 098 FIREFIGHTER INSERVICE TRAINING
Units: 0.25-4.00
0.25 hours lecture weekly
This course provides instruction in various contemporary fire fighting techniques and subjects related to Fire Technology. Topics to be announced per semester. Major topics may include organizational development, fire service appliances, fire chemistry, automatic fire extinguishers and agents, ladders, and hose operations.

FIRETC 101 FIRE PROTECTION ORGANIZATION
Units: 3.00 - CSU
3.00 hours lecture weekly
Survey of career opportunities in fire service and related fields; history of fire protection; fire loss analysis; public, quasi-public and private fire protection services; specific fire protection functions; fire chemistry and physics.

FIRETC 102 FIRE PREVENTION TECHNOLOGY
Units: 3.00 - CSU
3.00 hours lecture weekly
Prerequisite or Corequisite: FIRETC 101
Organization and function of fire prevention; inspections; surveying and mapping procedures; recognition of fire and life hazards; engineering a solution of a fire hazard; enforcing solutions to a fire hazard; public relations as affected by fire prevention.

FIRETC 103 FIRE PROTECTION EQUIPMENT & SYSTEMS
Units: 3.00 - CSU
3.00 hours lecture weekly
Prerequisite or Corequisite: FIRETC 101
Portable fire extinguishing equipment: protection systems for special hazards; sprinkler systems and fire detection and alarm systems.

FIRETC 104 BUILDING CONSTRUCTION FOR FIRE PROTECTION
Units: 3.00 - CSU
3.00 hours lecture weekly
Prerequisite or Corequisite: FIRETC 101
Fundamentals of building construction as it relates to fire protection; classification of occupancy and types of construction with emphasis on fire protection features including: building equipment, facilities, fire resistant materials and high-rise consideration.

FIRETC 105 FIRE BEHAVIOR & COMBUSTION
Units: 3.00 - CSU
3.00 hours lecture weekly
Fundamentals and scientific principles of fire-behavior, combustible materials, extinguishing agents, hazardous and toxic materials, forms of energy and fire prevention/suppression techniques.

FIRETC 106 FIRE COMPANY ORGANIZATION & PROCEDURES
Units: 3.00 - CSU
3.00 hours lecture weekly
This course is designed to review fire department organization and offer instruction in the organization, management and supervision of fire companies. Areas of discussion include the relationship of the company officer to the organizational structure, as well as responsibilities with regards to personnel supervision, evaluation, discipline and training, communication, fire apparatus and equipment maintenance, fire prevention, incident response and command, strategy and tactics and records and reports.
FIRETC 107 FIRE APPARATUS & EQUIPMENT
Units: 3.00 - CSU
3.00 hours lecture weekly
Prerequisite or Corequisite: FIRETC 101
A 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.

FIRETC 108 FIRE HYDRAULICS
Units: 3.00 - CSU
3.00 hours lecture weekly
Review of applied mathematics; hydraulics laws as applied to the fire service application formulas and mental calculations, to hydraulics and water supply problems.

FIRETC 109 FUNDAMENTALS OF PERSONAL FIRE SAFETY
Units: 3.00 - CSU
3.00 hours lecture weekly
Provides career directed students, and/or volunteers, firefighters, and fire brigade members demonstrations on current techniques in the prevention of injuries and promotion of safety while conducting routine and emergency fire operations.

FIRETC 110 WILDLAND FIRE BEHAVIOR
Units: 3.00 - CSU
3.00 hours lecture weekly
Covers topics related to wildland fire behavior such as weather, fuel and topographic factors.

FIRETC 123 FIRE INVESTIGATION
Units: 3.00 - CSU
3.00 hours lecture weekly
Determining cause of fire (accidental, suspicious, and incendiary); types of fires; related laws; introduction to arson and incendiaryism; recognizing and preserving evidence; interviewing witnesses and suspects; arrest and detention procedures, court procedures and giving testimony.

FIRETC 125 FIREFIGHTING TACTICS & STRATEGY
Units: 3.00 - CSU
3.00 hours lecture weekly
Provides an in-depth analysis of the principles of fire control through utilization of personnel, equipment, and extinguishing agents in the fire ground.

FIRETC 198 FIREFIGHTER INSERVICE TRAINING
Units: 0.25-4.00 - CSU
0.25-4 hours lecture weekly
This course provides instruction in various contemporary fire fighting techniques and subjects related to Fire Technology. Topics to be announced per semester. Major topics may include organizational development, fire service appliances, fire chemistry, automatic fire extinguishers and agents, ladders, and hose operations.

FIRETC 201 INCIDENT COMMAND SYSTEM 200
Units: 1.00 - CSU
1.00 hours lecture weekly
ICS 200 is intended for fire personnel assigned to an incident or event who have a minimum requirement for understanding Incident Command System. Basic ICS 200 consists of seven modules and has been determined by National Wildfire Coordination Group as meeting the training needs of wildland fire personnel for ICS.

FIRETC 202 INCIDENT COMMAND SYSTEM 300
Units: 1.50 - CSU
1.50 hours lecture weekly
ICS 300 is intended for fire personnel assigned to an incident or event to have an intermediate requirement for understanding Incident Command System. Intermediate Incident Command System 300 consists of five modules and has been determined by National Wildfire Coordinating Group as meeting the training needs of wildland fire personnel for ICS.

FIRETC 231A FIRE PREVENTION OFFICER 1A
Units: 2.00 - CSU
2.00 hours lecture weekly
Skills and knowledge necessary for entry into the fire prevention field. Meets NFPA 1031 Fire Inspector
FIRE TECHNOLOGY

Professional Qualifications and California State Board of Fire Services Standards for Fire Prevention Officer 1A.

FIRETC 231B FIRE PREVENTION OFFICER 1B
Units: 2.00 - CSU
2.00 hours lecture weekly
Continuation of Fire Technology 231-A. Meets NFPA 1031 Fire Inspector Professional Qualifications and California State Board of Fire Services Standards for Fire Prevention Officer 1B.

FIRETC 231C FIRE PREVENTION OFFICER 1C
Units: 2.00 - CSU
2.00 hours lecture weekly
Continuation of Fire Technology 231-B. Meets NFPA 1031 Fire Inspector Professional Qualifications and California State Board of Fire Services Standards for Fire Prevention Officer 1C.

FIRETC 241A FIRE INSTRUCTOR 1A
Units: 2.00 - CSU
2.00 hours lecture weekly
Prerequisite: Completion of Fire Fighter Academy or current employment as a firefighter.
An introduction to fire service training methods with emphasis on using the occupational analysis, identifying training needs and training others to perform manipulative skills. Must have completed Firefighter 1 academy or be currently employed as a firefighter.

FIRETC 241B FIRE INSTRUCTOR 1B
Units: 2.00 - CSU
2.00 hours lecture weekly
Prerequisite: FIRETC 241A
Continuation of Fire Technology 241A with an emphasis on preparation to train others in technical skills. Not offered every semester.

FIRETC 251A FIRE INVESTIGATION 1A
Units: 2.00 - CSU
2.00 hours lecture weekly
Prerequisite: Completion of Fire Fighter I Academy or current employment as a firefighter.
Fire origin and cause, evidence preservation, prosecution, maintaining records, and handling special arson and investigation problems. Required for Fire Officer 1 candidates. Must have completed a Firefighter 1 academy or be currently employed as a firefighter.

FIRETC 251B FIRE INVESTIGATION 1B
Units: 2.00 - CSU
2.00 hours lecture weekly
Provides advanced training in fire/explosion investigative techniques, evidence preservation, courtroom testimony, interview and interrogation techniques and fire cause/origin determination. This course provides the necessary job and interpersonal skills necessary to successfully investigate fires, apprehend those responsible, and convict them. This is a State Fire Marshal certified course.

FIRETC 261A FIRE MANAGEMENT I
Units: 2.00 - CSU
2.00 hours lecture weekly
Prerequisite: Completion of Fire Fighter I Academy or current employment as a firefighter.
Assists future fire officers with the changing role of fire managers and helps fire officers develop management techniques and skills. Must have completed a Firefighter 1 academy or be currently employed as a firefighter.

FIRETC 271A FIRE COMMAND 1A
Units: 2.00 - CSU
2.00 hours lecture weekly
Command and control techniques, emphasizing decision-making, authority, organizational structure, and pre-planning. Meets Fire Officer 1 requirements established by California State Board of Fire Services.

FIRETC 271B FIRE COMMAND 1B
Units: 2.00 - CSU
2.00 hours lecture weekly
A continuation of Fire Technology 271A dealing with specifically hazardous materials and emergency incident procedures. Meets Fire Officer 1 command training requirements established by California State Board of Fire Services.
Foreign Languages
(See French, German and Spanish)

FRENCH

FRNCH 101 ELEMENTARY FRENCH I
Units: 4.00 - UC:CSU
4.00 hours lecture weekly
Pronunciation, oral practice, study of French cultures and civilization and basic grammar of the French language. Corresponds to the first two years of high school French.

FRNCH 102 ELEMENTARY FRENCH II
Units: 4.00 - UC:CSU
4.00 hours lecture weekly
CAN: FREN SEQ A
Prerequisite: FRNCH 101 or equivalent.
Continuation of French 101. Pronunciation, oral practice, study of French culture and civilization and basic grammar of the French language. Corresponds to the third year of high school French.

FRNCH 150 BEGINNING CONVERSATIONAL FRENCH
Units: 3.00 - CSU
3.00 hours lecture weekly
For students with little or no background in French. Emphasis is on understanding and speaking French in everyday situations, including vocabulary and phrases useful for studying and working in French-speaking countries.

FRNCH 201 INTERMEDIATE FRENCH I
Units: 4.00 - UC:CSU
4.00 hours lecture weekly
CAN: FREN 8
Prerequisite: FRNCH 102 or three years of high school French or equivalent.
Comprehensive review of French grammar with special emphasis upon practical and idiomatic usage. Reading short stories in French by well known French authors. Discussions and written and oral reports in French based upon reading selections. Corresponds to the fourth year of high school French.

FRNCH 202 INTERMEDIATE FRENCH II
Units: 4.00 - UC:CSU
4.00 hours lecture weekly
CAN: FREN 10 (FRNCH 101 + FRNCH 102)
Prerequisite: FRNCH 201.

GENERAL STUDIES

GENSTU 050 ORIENTATION & ASSESSMENT - LEARNING DISABILITIES
Units: 0.50
0.50 hours lecture weekly
This course combines small group and individual sessions. The first session is informational covering learning disability characteristics, the assessment process, and the community college eligibility model. Subsequent sessions involve group and individual achievement and cognitive testing to determine student eligibility for services as well as individual academic strengths and weaknesses. Units do not apply to the associate degree. Offered credit/no-credit only.

GENSTU 051 INDIVIDUAL DIAGNOSTIC - PRESCRIPTIVE LEARNING ASSESSMENT
Units: 0.50
Diagnostic assessment for students with communication disabilities and/or acquired brain injuries. Assessment process will identify specific cognitive strengths and weaknesses, receptive and expressive language skills, information processing skills. The compilation of information will be used to develop an individualized educational plan outlining specific recommendations and interventions once a student has been found eligible for support services. Offered on a credit/no credit basis. Units do not apply to the associate degree.
GENERAL STUDIES

GENSTU 081 COGNITIVE BASIC SKILLS - COMPUTER ASSISTED INSTRUCTION - ADAPTED COMPUTER TECHNOLOGY
Units: 1.00-5.00
1.00 hours lab weekly
Major emphasis is to improve cognitive retraining in the areas of critical thinking, reasoning, communication, memory improvement, visual perception and language skills by use of computer-assisted instruction and adaptive technology. Course is designed for verified acquired brain injured students and physically disabled students. May be repeated. Offered credit/no credit. Units do not apply to the associate degree.

GENSTU 082 INDIVIDUAL COMPUTER APPLICATIONS
Units: 1.00-5.00
3.00 hours lab weekly
Designed for DSPS students as a support in their coursework other than English and math. Course is tutorial in nature and focuses on the utilization of computers, assistive technology devices, the Internet, a scanner and selected software programs. Computer applications will be taken from topics based on the students' coursework to provide additional computer support or enhanced basic skills. May be repeated. Offered credit/no-credit only and not degree applicable.

GENSTU 091 INDIVIDUAL STUDIES - LANGUAGE SKILLS
Units: 1.00-5.00
3.00 hours lab weekly
Designed for DSPS students as a support in mainstream English and language-related courses other than mathematics. Tutorial in nature, course focuses on the utilization of computers assistive technology devices, the Internet, a scanner and selected software programs. Computer applications are taken from topics based on the students' coursework to provide additional computer support or enhance basic skills. May be repeated. Offered on a credit/no-credit basis and course is not degree applicable.

GENSTU 092 INDIVIDUAL STUDIES - MATHEMATICS SKILLS
Units: 1.00-4.00
3.00 hours lab weekly
Designed for DSPS students as a support in Math classes with individual or small group tutoring for students with a verified disability and are concurrently enrolled in MATH 025, Arithmetic; MATH 058, Algebra Prep.; MATH 059, Dev. Algebra; MATH 060, Elem. Algebra; MATH 070, Int. Algebra; or BUS 144, Bus. Math. Students learn strategies to enhance math concepts and computational skills. May be repeated. Offered credit/no-credit only and not degree applicable.

GENSTU 096 LITERACY TUTOR PRACTICUM
Units: 1.00-3.00
3.00 hours per unit lab weekly, May be taken 4 times for credit
Prerequisite: GENSTU 105
Supports an on-campus program, coordinated through the Volunteer and Service Learning Center, by training students to serve as children's literacy tutors. Student tutors are placed at local elementary schools and practice tutoring strategies while assisting beginning and emerging readers. Offered credit/no-credit only and not degree applicable.

GENSTU 101 CAREER DECISION-MAKING FOR STUDENTS WITH DISABILITIES
Units: 3.00 - CSU
3.00 hours lecture weekly
Prerequisite: Enrollment in DSPS.
This course introduces students with disabilities to career search strategies. It provides an overview of the career decision-making process including goal-setting, decision-making and researching the job market. Students will participate in vocational testing, job search strategies, resume writing, interviewing techniques, and group discussions on disability related issues involving career choice and employment.

GENSTU 104 TUTORING METHODS
Units: 1.00-3.00 - CSU
3.00 hours per unit lab weekly, May be taken 4 times for credit
Techniques of tutoring individuals and small groups. Techniques to improve the tutees' problem-solving, writing, computational, listening, note-taking, and test-taking skills. Practice in individual tutoring under supervision. Offered on a credit/no credit basis.
**GENSTU 105 LITERACY TUTORING AND SUPERVISED FIELDWORK**
Units: 3.00 - CSU
1.00 hours lecture weekly, 6.00 hours lab weekly
Provides early, supervised field experience to develop fluency with the fundamental skills of literacy development, classroom management, and other routine teaching skills required in the public schools. Students work one-on-one and in group settings with elementary school children. Recommended for students interested in teaching elementary school.

**GENSTU 164 HITE COLLEGE SUCCESS COURSE**
Units: 3.00 - CSU
3.00 hours lecture weekly
The purposes of this course are to assist students in mastering the pedagogical and personal skills necessary to reach their educational objectives and to provide an extended orientation to the benefits of attending College of the Canyons. This course is recommended for all new students, especially those in the HITE Program. Students in this course, must concurrently enroll in LMTECH 100, Introduction to Research. Offered on a credit/no credit basis only.

**GENSTU 299 HONORS COLLOQUIUM**
Units: 3.00 - CSU
The Honors Colloquium is provided primarily for students in the HITE and Honors program to encourage independent thinking and research on topics related to the Phi Theta Kappa Annual Honors Essay Theme. It is desirable that students taking the class be members of Phi Theta Kappa, a national community college honor society.

**GEOGRAPHY**

**GEOG 101 PHYSICAL GEOGRAPHY**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A study of the basic physical elements of the natural environment: the earth and its astronomical relationship to the sun and moon, in particular, a study of the fundamentals of the form and dimensions of the earth, maps, atmosphere, weather, climates, soils, water resources, vegetation, ecology, physical oceanography, mineral resources, geology and land forms.

**GEOG 102 CULTURAL GEOGRAPHY**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
CAN: GEOG 4
A study of the basic cultural elements which contribute to the variable character of the earth’s surface: peoples; agriculture; languages; transportation; industry; urbanization; political, economic and religious patterns. Includes an analysis of the cultural attributes of selected regions and countries which are prominent or pivotal in world affairs.

**GEOL 100 PHYSICAL GEOLOGY LAB**
Units: 1.00 - UC:CSU
3.00 hours lab weekly
Corequisite of GEOL 101
Megascopic and microscopic laboratory study and determination of selected elements, minerals and rocks. Includes study and use of topographic maps, geologic tools, geologic maps, cross-sections and columns. Fieldwork may be undertaken from time-to-time to collect earth materials and to recognize and study existing or on-going geologic processes, landforms and structures.

**GEOL 101 PHYSICAL GEOLOGY**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Study and interpretation of the basic features of the exterior and interior of the earth’s crust, the materials of which those features are composed, and the geologic processes which produced them. Includes specific consideration of minerals, rocks, volcanic activity, running water erosion, soils, ground water activity, landsliding, glaciation, coastlines, wind activity, deserts, plate tectonics, mountains, faults and earthquakes, metamorphism, geologic time, etc.
GEOL 102 HISTORICAL GEOLOGY  
Units: 3.00 - UC:CSU  
3.00 hours lecture weekly  
Study of the evolution of the earth's crust and the  
earth's plant and animal life from the beginnings to the  
present as revealed in geologic strata and in the fossil  
record. Emphasizes the evolution of the North American  
continent, its landforms, contiguous oceans, animals  
and plants. Includes some study of the principles of  
paleontology.

GEOL 105 GEOLOGY OF CALIFORNIA  
Units: 3.00 - UC:CSU  
3.00 hours lecture weekly  
Study of major geomorphic provinces of California,  
including their topography, basic geologic landforms  
and structures, geologic history, main rock units and  
mineral resources. Some discussion of fossil assem- 
blages.

GEOL 106 GEOLOGY OF NATIONAL  
PARKS & MONUMENTS  
Units: 3.00 - CSU  
3.00 hours lecture weekly  
Study of the key geologic features found at selected  
national parks and monuments with emphasis on  
California and the west. Includes specific study of major  
landforms and geologic structures, the basic origin and  
evolution of those landforms and structures, the kind of  
rock of which they are composed, the main geologic  
agent, the age of the rock and the principal minerals  
associated with each park or monument.

GEOL 107 MINERALS, ROCKS &  
FOSSILS  
Units: 3.00 - CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly  
Megascopic and microscopic laboratory study and  
determination of selected elements, minerals,gems,  
ingeous rocks, sedimentary rocks, metamorphic rocks  
and fossils. Primary emphasis placed on the study of  
minerals and the individual properties by which minerals  
are identified, although a student may emphasize one  
of the other earth materials. Collecting fieldwork may be  
undertaken from time-to-time.

GERMAN 100 ADVENTURE IN GERMAN  
Units: 2.00 - CSU  
2.00 hours lecture weekly  
For students with little or no background in German.  
Emphasis is on understanding and speaking German in  
everyday situations, including vocabulary and phrases  
useful for studying and working in German-speaking  
countries. The skills of translating and writing of compos- 
tions are introduced. Taught in the Lozanov method.

GERMAN 101 ELEMENTARY GERMAN I  
Units: 4.00 - UC:CSU  
4.00 hours lecture weekly, 1.00 hours lab weekly  
An introduction to understanding, speaking, reading and  
writing simple German, using a basic vocabulary and  
stressing idiomatic expressions. Intensive drill in pronun- 
ciation and the fundamentals of German. Corresponds to  
the first two years of high school German.

GERMAN 102 ELEMENTARY GERMAN II  
Units: 4.00 - UC:CSU  
4.00 hours lecture weekly, 1.00 hours lab weekly  
Continuation of German 101. Pronunciation, oral prac- 
tice, study of German culture and civilization and basic  
grammar of the German language. Corresponds to the  
third year of high school German.

GERMAN 111 ADVENTURE IN GERMAN  
Units: 4.00 - CSU  
4.00 hours lecture weekly  
A beginning course for students with little or no back- 
ground in German. Intensive practice in understanding,  
speaking and writing German in everyday situations.  
Emphasis on building a usable vocabulary and knowl- 
dge of basic idioms in German. Class is taught in the  
Lozanov method.
GERMAN 201 INTERMEDIATE GERMAN I
Units: 4.00 - UC:CSU
4.00 hours lecture weekly
Prerequisite: GERMAN 102 or three years of high school german or equivalent.

Comprehensive review of German grammar with special emphasis upon practical and idiomatic usage. Readings of short stories in German by well known German authors. Discussions and written and oral reports in German based upon reading selections. This course corresponds to the fourth year of high school German.

GERMAN 202 INTERMEDIATE GERMAN II
Units: 4.00 - UC:CSU
4.00 hours lecture weekly, 1.00 hours lab weekly
Prerequisite: GERMAN 201

Complete review of German grammar. Oral discussion and written composition, dealing with assigned readings of current German prose. Intensive reading of outstanding German literature.

GERMAN 220 ADVANCED GERMAN
Units: 4.00 – UC:CSU
3.00 hours lecture weekly
Comprehensive review of German grammar with emphasis upon more difficult grammatical problems. Advanced conversation and composition through intensive readings of German, Austrian and Swiss literature. This course is conducted entirely in German.

HLHSCI 151 EMERGENCY MEDICAL TECHNICIAN I
Units: 7.50 - CSU
7.50 hours lecture weekly
Prerequisite: Applicants for State certification must be 18 years of age or older and have completed “CPR for Professional Rescuer,” a Red Cross course.

Seventeen week EMT-1 course that covers techniques of emergency medical care presently within the scope of practice of the EMT-1 technician. Seven hours weekly lecture/skills lab plus 16 hours emergency department observation and 16 hours ambulance ride along. Health clearance required prior to start of clinical rotations. Eligible for L.A.County Certification exam upon successful completion of the course.

HLHSCI 153 EMERGENCY MEDICAL TECHNICIAN REFRESHER
Units: 1.50 - CSU
1.50 hours lecture weekly
Prerequisite: Current CPR certification (American Heart Association or American Red Cross) and current EMT certification.

The Emergency Medical Technician Refresher Course offers 24 hours of classroom lecture as required by the County of Los Angeles for EMT certification. The lecture portion of the course includes a review of all topics covered in the Emergency Medical Technician-Basic course and any new subject material required by the County of Los Angeles. The final Class session provides skills testing for those Emergency Medical Technicians in a skills testing cycle.

HLHSCI 243 WOMEN & HEALTH
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Provides a broad perspective of women relating as providers and consumers to the health care system. Explores past and current health care issues. Also explores philosophical, historical, cross-cultural, ethical, and political issues surrounding women's health. The unique role of women in the health care system will be discussed in terms of current and future trends. Also covers specific topics which will include sexuality, mental health, reproductive health, women in the health profession, and men in non-traditional careers. Same as NURSNG 243. (Formerly INTERD 101).
HEALTH SCIENCES • HISTORY

HLHSCI 249 MEDICAL TERMINOLOGY
Units: 3.00 - CSU
3.00 hours lecture weekly
Designed to familiarize those interested in a medical field with the correct spelling, pronunciation and meaning of common medical terms, with emphasis on word components.

HISTORY

HIST 101 WESTERN CIVILIZATION: PRE-INDUSTRIAL WEST
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A general survey of the history of western civilization from earliest times to the 16th century. Emphasis is placed upon the development of economic, socio-political, and cultural institutions from pre-history, riverine cultures of the Near East, the Greco-Roman world, and medieval and early modern Europe.

HIST 102 HISTORY OF WESTERN CIVILIZATION: THE MODERN ERA
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A general survey of the history of western civilization from the 16th century to the present period. Emphasis is placed upon economic, socio-political, and cultural developments in Europe, the Americas, and the emergent nations of the modern era. This course is especially useful to majors in history, art history, sociology, political science, and literature.

HIST 111 UNITED STATES HISTORY I
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
CAN: HIST 8
A general survey of American civilization, from the pre-Colombian era through Reconstruction (1877). Emphasis is placed on the political, economic, and social history of the United States. Taken with HIST 112, meets the entire American Institutions requirement.

HIST 112 UNITED STATES HISTORY II
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
CAN: HIST 10
A general survey of American civilization, 1877 to the present. Emphasis is placed on the political, economic and social history of the United States. Taken with HIST 111, meets the entire American Institutions requirement.

HIST 120 THE ROLE OF WOMEN IN THE HISTORY OF THE UNITED STATES
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Explores the political, economic, and intellectual history of women in the development of the United States from the early colonial era to the present day with special emphasis on their contributions as well as their problems.

HIST 150 INTRODUCTION TO HISTORY OF THE UNITED STATES
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An introduction to the major issues in American history from the 15th through 20th centuries. Topics include colonization, the Revolutionary War, the U.S. Constitution, causes and results of the Civil War, western settlement, progressivism, World War I and World War II, various civil rights movements, America's participation in Vietnam, Watergate, and the administrations of Nixon and Clinton. Course appropriate for non-majors and applicable toward graduation requirement in American Institutions.

HIST 161 WORLD HISTORY I
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A survey of world history from prehistory to 1500. Focuses on the emergence and interaction of the regional civilizations (Europe, Asia, Africa, and the Americas) that have contributed to the development of our present global community. Emphasis is placed on appreciating, comparing, and contrasting the social, political, economic, cultural, and religious forces that shaped the major civilizations in the history of the world.
HIST 170 ECONOMIC HISTORY OF THE UNITED STATES
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Survey of the economic development of the U.S. emphasizing a topical approach rather than strict chronology. Includes the development of business cycles, trade, banks in the new nation, manufacturing, tariffs, slavery, big business, labor, government regulations and deregulation leading to a modern industrial nation. Fulfills the American Institutions requirement in U.S. History. Same as ECON 170.

HIST 191 HISTORY EASTERN CIVILIZATION I
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A comparative study of Asian civilizations from antiquity to the nineteenth century. The major historical, philosophical, cultural, political, and socioeconomic trends of China and Japan will be emphasized. Neighboring areas, such as Korea, India, and Southeast Asia, will also be discussed.

HIST 192 HISTORY OF EASTERN CIVILIZATION II
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A comparative study of Asian civilizations from the nineteenth century to the present. China and Japan will be emphasized, with additional discussion of surrounding areas such as Korea, India and Southeast Asia. Important themes will include western imperialism, nationalistic movements, Asian countries' involvement in World War II, the establishment of communist regimes in several Asian countries, efforts at economic modernization, and developments in art and literature.

HIST 210 HISTORY OF CALIFORNIA
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A survey of California from its pre-Columbian past to the present. Utilizing a cross-cultural emphasis, the course will also include segments of study on the natural and institutional history of California.

HIST 230 HISTORY OF AMERICAN INDIANS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A general survey of American Indian history. From the pre-Columbian past through the modern era, the saga of American Indians and their role in western civilization will be examined. Particular attention will be paid to the intersection of American Indian history and United States history.

HIST 240 LATIN AMERICAN CIVILIZATION
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A general survey of the geography, history, customs, economic and political development of Latin America from pre-Columbian times to the present. This course is especially recommended for Spanish and history majors.

HIST 241 HISTORY OF EARLY LATIN AMERICA
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A general survey of Latin American history from the late pre-Columbian era (c.15th century to independence c.1830). Examines the major indigenous politics, European expansion and exploration, the implantation of Iberian civilization and culture, Ibero-American socio-economic and socio-political infrastructures, the Catholic Church's role and impact on colonial Ibero-America, the international competition for political and economic control of the Western Hemisphere and the Ibero-American wars for independence and their aftermath.

HIST 242 HISTORY OF MODERN LATIN AMERICA
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A general survey of Latin America's nineteenth and twentieth century. Focuses on Latin America's socio-political and socio-economic development from 1800 to present. Also provides an historical analysis and review of U.S.-Latin American relations. Designed to introduce students to the internal and external forces that have shaped and continue to influence contemporary Latin American societies.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units:</th>
<th>Meeting Time:</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>HRMGT 101</td>
<td>INTRODUCTION TO THE LEISURE INDUSTRY</td>
<td>3.00</td>
<td>3.00 hours lecture weekly</td>
<td>Surveys the opportunities, careers, responsibilities and trends in the hotel, restaurant, tourism and recreation industry. Through class presentations, guest lectures and field trips, students gain insight into the social and economic forces which interrelate and influence the various industry components.</td>
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<tr>
<td>HRMGT 102</td>
<td>INTRODUCTION TO THE TRAVEL INDUSTRY</td>
<td>3.00</td>
<td>3.00 hours lecture weekly</td>
<td>View the world of travel from the perspective of the travel agent, including air, cruise, rail, and motor coach travel, hotels, resorts, and car rentals. A survey of emerging tourism trends in Ecotourism and adventure tourism.</td>
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<tr>
<td>HRMGT 121</td>
<td>FOODS &amp; NUTRITION IN THE RESTAURANT INDUSTRY</td>
<td>3.00</td>
<td>2.00 hours lecture weekly, 3.00 hours lab weekly</td>
<td>Principles of food selection, preparation, and evaluation. Incorporates study in meal management, various cuisine and food presentation. Covers basic nutrition concepts. Discusses current industry focus concerning foods and nutrition. Lab experience applies scientific cooking principles to a variety of products.</td>
</tr>
<tr>
<td>HRMGT 150</td>
<td>INTRODUCTION TO HOTEL/RESORT OPERATIONS</td>
<td>3.00</td>
<td>3.00 hours lecture weekly</td>
<td>An introduction to the operating systems and components of the lodging industry, which includes: front office, housekeeping, food and beverage, sales and marketing, accounting, property maintenance, human resource management and information systems.</td>
</tr>
<tr>
<td>HRMGT 201</td>
<td>HOTEL &amp; RESTAURANT BOOKKEEPING</td>
<td>3.00</td>
<td>3.00 hours lecture weekly</td>
<td>A problem solving approach to cost control in the hospitality industry. Cost accounting procedures and analysis are reviewed for food, beverage, material, and labor factors in hospitality. Managerial skill is developed for completing and analyzing accounting control forms including cost reports, financial statements, and budget.</td>
</tr>
<tr>
<td>HRMGT 202</td>
<td>HOTEL &amp; RESTAURANT PURCHASING &amp; INVENTORY CONTROL</td>
<td>3.00</td>
<td>3.00 hours lecture weekly</td>
<td>Strategies and mechanics involved in the procurement process. Methods of product and material selection are examined. Additional concepts include vendor selection and evaluation; material handling and storage; and value</td>
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</tbody>
</table>
analysis and yield management. The course examines purchasing policy and procedure along with specification writing and various managerial forms of paperwork.

HRMGT 210 HOTEL & RESTAURANT LAW
Units: 3.00 - CSU
3.00 hours lecture weekly
The fundamentals of law important to innkeepers and restaurateurs. Examines the duties, rights and liabilities of the host and guest. Case studies and problem solving exercises are utilized.

HRMGT 220 RESTAURANT OPERATIONS
Units: 3.00 - CSU
3.00 hours lecture weekly
A practical application of principles and practices utilized in quantity food production. The course provides a directed opportunity for students to gain observational training in various food systems. Analysis and synthesis of various restaurant and food service operation principles and practices are related to the management of service, production and people.

HRMGT 225 FOOD SERVICE SANITATION & SAFETY
Units: 3.00 - CSU
3.00 hours lecture weekly
Presents guidelines and concepts which assure a safe and sanitary food service facility. Emphasis is on customer protection and maintenance of sanitary standards. Areas covered include accident and fire prevention; food handling and storage; and food-borne illness and prevention. The course includes sanitation certification through the National Restaurant Association Educational Foundation.

HRMGT 226 FOOD AND WINE
Units: 3.00 - CSU
3.00 hours lecture weekly
An in-depth analysis of the relationship between food and wine with special emphasis on food and wine pairing for home and professional cooking. Topics include cooking with wine, food and wine buying, ordering in restaurants, wine cellaring and serving, and wine and health. Pregnant women and persons with allergies to sulfites are advised not to take this class. Wine will be tasted. Students must be 21 years of age to enroll.

HRMGT 235 HOTEL & RESTAURANT SALES & MARKETING
Units: 3.00 - CSU
3.00 hours lecture weekly
Organization and function of both sales and marketing departments focusing on planning and analysis of current product and service competition and markets. Stressed concepts include merchandising, promotion, advertising and public relations. Establishment and execution of a marketing plan to best serve the customer, allowing for the largest level of profit, is the foundation of this course.

HRMGT 245 HOTEL & RESTAURANT SUPERVISION & GUEST RELATIONS
Units: 3.00 - CSU
3.00 hours lecture weekly
A foundation level presentation of supervisory management skill areas. Management of personnel includes employee selection, training and appraisal. Management areas include management functions and theory; leadership methods and styles; quality control and assurance; policy and procedure development; discipline and motivation and communication and listening skills. The guest relations component of the course provides an in-depth view of guest services including guest needs and accommodations. Various guest markets are profiled to enable delivery of quality guest services.

HRMGT 275 HOSPITALITY INDUSTRY ACCOUNTING
Units: 3.00 - CSU
3.00 hours lecture weekly
A bridge between basic and managerial accounting. Covers specialized accounting for hotel revenue and expenses; periodic inventory, accounting for food and beverage areas; hospitality payroll accounting; intangible assets; accounting for inventory, property and equipment; financial information systems, hotel departmental financial statements; the income statement, balance sheet, and statement of cash flows; the analysis of financial statements; and interim and annual reports.
HRMGT 299 HOTEL & RESTAURANT MANAGEMENT INTERNSHIP
Units: 1.00-3.00 - CSU
On-the-job training within the hotel or restaurant industry. The experience is fulfilled through use of objectives. Coordination occurs between faculty, student and work supervisor. The classroom component serves as a problem solving center. Course material covers professionalism, career enhancement and job obtainment skills.

HUMAN 100 THEATRE OF THE MIND
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An interdisciplinary course using classical and significant works to introduce the student to themes and methods of inquiry on the humanities. The perspectives and concerns of philosophy, history, and literature will be developed and applied to the study and analysis of written texts and visual images. Students will develop an understanding of the values and ideas of western civilization and their comparison to the ideals and cultural expressions of non-western civilization. Themes will vary and be listed in the class schedule.

HUMAN 101 FORMS AND IDEAS IN HUMANITIES
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An introductory course which provides instruction in interdisciplinary analysis and interpretation of meaning in art, music and literature and in the understanding of philosophical ideas in their own right and as they influence the world civilizations.

HUMAN 105 CULTURAL ERAS IN HUMANITIES I
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Interdisciplinary, multi-cultural study of major eras of humanistic development from the ancient world to the fifteenth century through representative works of visual art, architecture, music, philosophy, religion, and oral and written literature.

HUMAN 106 CULTURAL ERAS IN HUMANITIES II
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Interdisciplinary, multi-cultural study of eras of humanistic development from the sixteenth century to the present through representative works of visual art, architecture, music, philosophy, religion, and oral and written literature.

HUMAN 150 GREAT BOOKS, GREAT IDEAS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An introductory survey of classical works of literature, philosophy, history, and the visual arts. Students will study themes of the humanistic study of human nature and the contemporary significance of the values and ideas expressed in the works of this course. Covers the time period of Greek Antiquity to the end of the Medieval period.

ID 091 ART ACCESSORIES, AND INTERIOR DESIGN
Units: 1.00
1.00 hours lecture weekly
Covers the use and application of fine collectibles, art, serigraphs, lithographs, posters, framing methods, portable light fixtures, linens, and tableware in interior design. This course may include a field trip. (Formerly DAT 061)

ID 092 MERCHANDISING FOR INTERIOR DESIGN
Units: 1.00
1.00 hours lecture weekly
Covers retailing concepts and strategies used by contemporary merchandisers. Special attention given to the practice of activities such as sales transactions, customer service, store operations, store policies, advertising and display. May include a field trip to a notable retail store. (Formerly DAT 092)
ID 096L OPEN INTERIOR DESIGN LAB
Units: 1.00 – 2.00
3.00 hours per unit lab weekly, May be taken 2 times for credit
An open lab for the interior design student; concurrent enrollment with another interior design course is required. Offered credit/no-credit and not degree applicable. (Formerly DAT 096L).

ID 098 SPECIAL TOPICS IN INTERIOR DESIGN
Units: 0.50-3.00
0.50 hours lecture weekly, 1.50 hours lab weekly
An exploration of various topics, techniques and/or subjects related to interior design. Topics to be announced per semester. Please see the current schedule of classes for specific course description. (Formerly DAT 098)

ID 100 INTRODUCTION TO INTERIOR DESIGN CAREERS
Units: 2.00 - CSU
2.00 hours lecture weekly
Examines the interior design profession, industry, related occupations, and work sites. The course emphasizes personal, educational, and professional qualifications required for entry into the field. May require field trips. (Formerly DAT 060).

ID 101 INTRODUCTION TO INTERIOR DESIGN
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
A study of the principles and elements of interior design based on function and aesthetics. Creative expression and the design process will be developed through the use of presentation skills. (Formerly DAT 160).

ID 102 APPLIED COLOR FOR DESIGNERS
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 2 times for credit
This course is focused on theory and application of color in design and digital media. Students will get hands-on experience with the elements of color as they change backgrounds and environments by applying pigmented and/or digital color. The course concentrates on color systems, psychology, and appropriate color choices for various projects such as architecture, interior design, set decoration, advertising and marketing. (Formerly DAT 162).

ID 103 PERSPECTIVE AND INTERIOR ILLUSTRATION
Units: 3.00 - CSU
3.00 hours lecture weekly, May be taken 2 times for credit
Introduction to basic black and white interior graphic communication techniques focusing on one and two-point perspective sketch techniques, graphic charts, material representation, plan and elevation graphics; emphasis on composition, shade, shadow, lighting, and texture.

ID 104 RAPID VISUALIZATION & ILLUSTRATION
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
This course covers techniques for freehand drawing and illustration necessary for visual communication and presentation. Rapid sketching techniques in addition to perceptual skills and an understanding of line, tone, proportion, composition, perspective, and rendering will be included. (Formerly DAT 164).

ID 113 INTERIOR MATERIALS & PRODUCTS
Units: 3.00 - CSU
3.00 hours lecture weekly
A comprehensive survey of materials, products, and processes used by designers to create interior environments. Included are techniques in measuring and calculating materials for construction, installation, and specification for residential and commercial application. The course also explores client, architect, and vendor relationships. This course is of interest to interior design majors and the decorating/design professional or amateur.

ID 114 HISTORY OF ARCHITECTURE AND FURNISHINGS I
Units: 3.00 - CSU
3.00 hours lecture weekly
The historical relationship between the decorative arts, architecture and interior furnishings is covered in this overview of periods from Egyptian through the Classical Revival period. Emphasis is placed on style development as it relates to social, economic and political influences.
**INTERIOR DESIGN • JOURNALISM**

**ID 115 HISTORY OF ARCHITECTURE AND FURNISHINGS II**  
Units: 3.00 - CSU  
3.00 hours lecture weekly  
The historical relationship between the decorative arts, architecture and interior furnishings is covered in this overview of periods from Classical Revival through the present. Emphasis is placed on style development as it relates to social, economic and political influences.

**ID 212 SPACE PLANNING**  
Units: 3.00 - CSU  
3.00 hours lecture weekly  
Covers topics relating to residential and commercial use of space. Schematic planning, code application, and human dimensions as related to anthropometrics and proxemics and the use of space for special populations will be applied in student projects. Course may include field trips. (Formally DAT 263).

**ID 217 ADVANCED RESIDENTIAL INTERIOR DESIGN**  
Units: 3.00 - CSU  
3.00 hours lecture weekly  
Problem-solving is emphasized through creative design solutions for residential environments including new construction and/or remodeling for diverse clients and budgets. Field trips will be included. Formerly DAT 266).

**ID 295 PROFESSIONAL PRACTICES**  
Units: 3.00 - CSU  
3.00 hours lecture weekly  
Basic principles, procedures, and office systems necessary to professionally organize and carry through a creative interior design project from the original client contract to final billing and collecting. (Formally DAT 295)

**JOURNALISM**

**JOURN 100 MEDIA & SOCIETY**  
Units: 3.00 - UC:CSU  
3.00 hours lecture weekly  
A general interest survey and evaluation of the mass media. Focus is to help the media consumer better understand today's mass communicators: newspapers, radio, television, motion pictures, magazines, advertising, and public relations. Course content discusses the history, relationships, ethics, rights and responsibilities of media as well as topics of current interest. (Same as RTVF 100.)

**JOURN 105 NEWS WRITING**  
Units: 3.00 - CSU  
3.00 hours lecture weekly  
A basic introduction to journalism. This course teaches the principles and methods of news gathering and news writing. Adherence to professional writing style and successful interview techniques as well as the legal and ethical aspects of the profession are covered among a wide range of writing experiences.

**JOURN 205 ADVANCED NEWS REPORTING & PRODUCTION**  
Units: 3.00 - CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly  
An extension of Newswriting, this course introduces students to fundamental reporting techniques and provides students with practice in writing specialized news stories. Features, sports stories, editorials, and column/opinion pieces are written as students participate in the production of the College newspaper, the *Canyon Call* and the student magazine, *Cougar*. May be taken concurrently with Journalism 215.

**JOURN 210 NEWSPAPER & MAGAZINE PRODUCTION STAFF**  
Units: 3.00 - CSU  
9.00 hours lab weekly, May be taken 4 times for credit  
Prerequisite: JOURN 205 or PHOTO 160.  
Staff members gather, evaluate, write, photograph, and edit the news for publication in the campus newspaper, the *Canyon Call* and in the College magazine, *Cougar*. Working as a production unit, the staff plans, budgets and designs each issue through final paste-up. May be taken concurrently with JOURN 215.

**JOURN 215 EDITORIAL WORKSHOP**  
Units: 3.00 - CSU  
1.00 hours lecture weekly, 6.00 hours lab weekly, May be taken 4 times for credit  
Prerequisite: JOURN 105 and Editorial Appointment.  
A study of the major aspects of editorial responsibilities. Taught in a laboratory setting, the course provides prac-
LMTECH 102 REFERENCE SKILLS & SERVICES
Units: 1.00 - CSU
1.00 hours lecture weekly
Enables the student, writer, researcher, or consumer to use a library and its resources effectively. Covers the use of manual and online catalogs, print and online periodical indexes, major reference books, online researching, and the evaluation of information sources. Discussion of basic research methodology, search strategies, and standard bibliographic format.

LMTECH 103 LIBRARY CIRCULATION SYSTEMS
Units: 1.00 - CSU
1.00 hours lecture weekly
Surveys types of circulation systems, patron registration systems, loan policies, and circulation procedures for print and audiovisual materials. Covers statistics, inventory and shelving operations, inter-library loan services, theft detection systems, and bibliographic checking through OCLC, Melvyl, and other systems.

LMTECH 104 CATALOGING AND TECHNICAL SERVICES
Units: 3.00 - CSU
3.00 hours lecture weekly
Introduces basic tenets of descriptive and subject cataloging, Library of Congress and Dewey Decimal classification systems. Provides practical skills necessary to catalog and classify a variety of library materials, using cataloging tools in both online and print formats. Discusses MARC format, minimal-level and full-level cataloging, and vendor-supplied catalog records. Surveys and evaluates selected online/Web catalogs. Discusses various aspects of technical service operations in relation to cataloging.

LMTECH 106 LIBRARY COLLECTIONS: PRINT
Units: 1.00 - CSU
1.00 hours lecture weekly
Provides an overview of book, government document, periodical, pamphlet and microfilm collections. Introduces the skills necessary to select, order, organize and maintain these library materials.
LMTECH 107 LIBRARY COLLECTIONS: NON-PRINT
Units: 1.00 - CSU
1.00 hours lecture weekly
Provides an overview of non-print collections including audio and video tapes, compact discs, CD-ROMs, video laser discs, software, maps, and archival materials. Introduces the skills necessary to select, order, organize and maintain these library materials.

LMTECH 108 AV EQUIPMENT OPERATION
Units: 1.00 - CSU
0.50 hours lecture weekly, 1.50 hours lab weekly
Introduction to major types of audiovisual equipment and materials, equipment operation, simple repairs and maintenance.

LMTECH 110 LIBRARY/MEDIA CENTER INTERNSHIP
Units: 2.00 - CSU
0.50 hours lecture weekly, 4.50 hours lab weekly
Prerequisite: Completion of at least (3) library/media technology units with a minimum grade of C or better. Enrollment in these courses within the past two years.
Provides structural on-the-job experience in a minimum of two different libraries/media centers or library departments. The required seminar is scheduled during the first, fourth, eighth, twelfth, and final weeks of the semester.

LMTECH 112 SCHOOL LIBRARY/MEDIA CENTER SERVICES
Units: 1.00 - CSU
1.00 hours lecture weekly
Survey of library/media services for elementary, junior and senior high schools. Topics covered include public relations, promotional programming, storytelling, book talks, student behavior and collection development.

LMTECH 114 MEDIA SUPERVISORY SKILLS
Units: 1.00 - CSU
1.00 hours lecture weekly
Introduces supervisory skills within the context of a library/media center department or branch. How to train, motivate, counsel and evaluate employees; time management, delegation of work, preparation of memos, and statistical reports will be covered. Discussion of stress factors, problem patrons, and disaster preparedness will also occur.

LMTECH 115 INTERNET IN LIBRARIES
Units: 1.00 - CSU
1.00 hours lecture weekly
An introduction to the Internet, its use in libraries, and the role of libraries in the digital age. Topics include using the Internet as a research tool, evaluating and selecting appropriate electronic resources for the library’s virtual collection, and integrating these resources with the libraries print collection. Students learn how to: use a Web browser, a variety of search tools, and assess the value of different free and proprietary databases on the World Wide Web. Additional topics include managing public access, filtering, and privacy.

MANUFACTURING TECHNOLOGY

MFGT 100 MEASUREMENTS AND COMPUTATIONS
Units: 3.00 - CSU
3.00 hours lecture weekly
This occupational application of measurements and computations is used by manufacturing technology students. The topics include: fractions, decimals, percents, ratio, proportions, English and Metric measuring systems, applied algebra, plane geometry and practical trigonometry as it pertains to a machine shop. Emphasis will be on the use of a scientific calculator when applicable. Applications such as current measuring tools (micrometer, caliper, and protractor), geometric constructions, blue print reading, computer numerical control, and the binary numeration system may be included.

MFGT 101 MATERIALS & PROCESSES IN MANUFACTURING
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
A survey of methods to process various raw materials into finished products. Materials include metals, plastics, ceramics, and composites. Processes include machining, casting, forming, joining and nontraditional meth-
ods. Emphasis is placed on the relationship between materials and processes and the manufacture of finished products. Each student receives a hands-on introduction to machining operations and manual high speed machine tools, capabilities and use of metrology equipment, and shop safety. Laboratory production processes include grinding, milling, drilling, turning, deburring, and use of a variety of layout and metrology equipment.

**MFGT 102 ENGINEERING DRAWING INTERPRETATION**

Units: 3.00 - CSU
3.00 hours lecture weekly
Covers basic engineering drawings widely used in contemporary manufacturing industries. Both the visualization and interpretation facets of reading are given extensive coverage including geometric dimensioning and tolerancing. Exposure to analysis of common drawing types, views, lines, dimensions, tolerances, call-outs, notes, symbology, and revision procedures are included.

**MFGT 103 INTRODUCTION TO AUTOMATED MANUFACTURING**

Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
As a first course in manufacturing automation, emphasis is placed on the building blocks of automation, application of robotics and various types of automated manufacturing systems. Students gain experience and understanding of the basic components of automated manufacturing systems including sensors, switches, actuators, drive systems, vision systems, robots, and programmable logic controllers. Application of such systems in industry is also explored.

**MFGT 111 MACHINE TECHNOLOGY**

Units: 2.00 - CSU
6.00 hours lab weekly
Additional training in the operation of manual machine tools in the layout, fabrication and measurement of more complicated and closer tolerance parts. Course format includes discussion, demonstrations, hands-on practice, and manufacturing plant visitations.

**MFGT 121 CNC 1: OPERATION AND MANUAL PROGRAMMING**

Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Students learn the necessary skills to set up, operate, and produce mill and lathe parts on computer numerical control machine tools (3-axis). This course explores the history of NC/CNC, elementary CNC programming conventions, cutting tool types, automatic tool changing, tool offsets and compensation, CNC set up procedures, and CNC mill and lathe practice.

**MFGT 122 CNC 2: CONCEPTS & PROGRAMMING**

Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
*Prerequisite: MFGT 121*

An advanced computer numerical control course to cover the study of CNC programming, industrial machine controllers, and CNC production applications. Students learn the necessary skills to program and set up for mill and lathe parts on computer numerical control machine tools (3-axis). Course content includes programming standards and format, feedback systems, adaptive control, computer-to-computer machine interface, cutting tool selection and sequencing, automatic tool changing, tool offsets and cutter compensation, and CNC mill and lathe practice.

**MFGT 131 CAD/CAM I**

Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
An introduction to computer-aided design and manufacturing using MASTERCAM as a CAD/CAM environment. Intended primarily for manufacturing technology students and industrial practitioners who are new to MASTERCAM. Course content includes a review of machining and CNC programming fundamentals, the MASTERCAM environment and process overview, basic 2D geometry construction and modification, process and toolpath planning, 2-axis toolpath generation and editing.
MANUFACTURING TECHNOLOGY • MATHEMATICS

MFGT 132 CAD/CAM 2
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Prerequisite: MFGT 131
An intermediate level CAD/CAM training using MASTERCAM. Intended primarily for manufacturing technology students and industrial practitioners who have some experience with MASTERCAM. Course includes construction of 3D wireframe models, surface modeling fundamentals and creation, derived and composite surfaces, 3-axis surface modeling, and 4-axis and 5-axis programming.

MFGT 133 CAD/CAM 3
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Prerequisite: MFGT 132.
Provides advanced level CAD/CAM training using SURFCAM. Intended primarily for manufacturing technology students and industrial practitioners who have intermediate experience with SURFCAM. Course content includes construction of 3D wireframe models, complex surface modeling creation, derived and composite surfaces, 3-axis surface modeling, and 4-axis and 5-axis simultaneous programming.

MFGT 141 CATIA I
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Emphasis on 2D projection from a 3D solid model on a Dessault system computer-aided three-dimensional interactive application CATIA Software. (Formerly MECHAN 100).

MFGT 142 CATIA II
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Prerequisite: MFGT 141
Students learn to utilize CATIA solid and surface modeling in advanced 3-dimensional design. (Formerly MECHAN 101).

MFGT 143 CATIA III
Units: 3.00 - CSU
3.00 hours lecture weekly
Prerequisite: MFGT 142
Students learn to utilize CATIA basic manufacturing Fixed and Multi-axis CNC milling for various manufacturing environments. (Formerly MECHAN 102).

MATHEMATICS

MATH 010 MATH LAB FOR MEDIATED LEARNING
Units: 1.00
3.00 hours lab weekly, May be taken 4 times for credit
Corequisite: MATH 026 or MATH 059.
A laboratory where students work on materials that accompany the mediated math course in which they are enrolled. Computers and assistance will be available. Units do not apply to the associate degree. Offered on a credit/no credit basis only.

MATH 025 ARITHMETIC
Units: 5.00
5.00 hours lecture weekly
Nature and properties of numbers. Review of fundamentals of addition, subtraction, multiplication, division, fractions, decimals, percentages, and applications. Includes an introduction to algebra. Units do not apply to the associate degree.

MATH 026 ARITHMETIC - MEDIATED LEARNING
Units: 4.00
4.00 hours lecture weekly
A mediated learning alternative to Math 025. Nature and properties of numbers. Review of fundamentals of addition, subtraction, multiplication, division, fractions, decimals, percentages, area, volume, perimeter, metric system, graphs, techniques in solving word problems. Includes an introduction to algebra. Units do not apply to the associate degree.
MATH 058 ALGEBRA PREPARATION
Units: 5.00
5.00 hours lecture weekly
Prerequisite: MATH 025 or MATH 026.
An introduction to elementary algebra at a relaxed pace. Emphasis is placed on the student's gaining confidence through interaction with the instructor and other students in an open and non-threatening atmosphere. The course is designed primarily for the student who is unable to achieve at an acceptable level in an elementary algebra course. Units do not apply to the associate degree.

MATH 059 DEVELOPMENTAL ALGEBRA
Units: 4.00
4.00 hours lecture weekly
Prerequisite: Satisfactory completion of MATH 025, MATH 026, or MATH 030 or appropriate math placement as determined by the COC assessment process. Corequisite: MATH 010.
An introduction to the basic elements of algebra in a computerized mediated learning environment. This course is designed to promote success as the student goes on to elementary algebra. Units do not apply to the associate degree. An alternative to MATH 058.

MATH 060 ELEMENTARY ALGEBRA
Units: 5.00
5.00 hours lecture weekly
Prerequisite: Satisfactory completion of MATH-058 or MATH-059, or appropriate math placement as determined by the COC assessment process.
A beginning course in elementary algebra, designed to develop the manipulative skills of algebra. Introduction to the fundamental concepts of operating within the real number system, to working with first degree equations in one unknown, to factoring of and multiplication of polynomials, and dealing with algebraic fractions. Linear functions and graphs, systems of linear equalities, exponents and radicals, quadratic equations, and applications are studied. Units do not apply to the associate degree.

MATH 063 GEOMETRY
Units: 5.00
5.00 hours lecture weekly
Prerequisite: One year of high school algebra with a grade of B or better and appropriate math placement as determined by the COC assessment process, or satisfactory completion of MATH 060.
Geometric theory and concepts, and their application to the solutions of practical geometric problems.

MATH 070 INTERMEDIATE ALGEBRA
Units: 5.00
5.00 hours lecture weekly
Prerequisite: One year of high school algebra with a grade of B or better and appropriate math placement as determined by the COC assessment process, or satisfactory completion of MATH 060.
Review of properties of real numbers, operations, linear equations and inequalities. Second-degree equations and inequalities, functions and graphs, systems, exponential and logarithmic functions. Designed to prepare the student for college-level mathematics and professional courses.

MATH 102 TRIGONOMETRY
Units: 3.00 - CSU
4.00 hours lecture weekly
Prerequisite: High school geometry with a grade of C or better and two years of high school algebra with a grade of B or better and appropriate math placement as determined by the COC assessment process; or MATH 063 and MATH 070 with a grade of C or better.
A study of the circular and trigonometric functions, inverse trigonometric functions, identities, trigonometric equations, solutions of triangles, complex numbers, vectors, and applications.

MATH 103 COLLEGE ALGEBRA
Units: 4.00 - UC:CSU
5.00 hours lecture weekly
CAN: MATH 10
Prerequisite: Two years of high school algebra with a grade of B or better and appropriate math placement as determined by the COC assessment process; or MATH 070 with a grade of C or better.
Linear and nonlinear algebraic relations and functions, conic sections, exponential and logarithmic functions,
matrices and determinants, complex numbers and selected topics from theory of equations, and sequences and series.

**MATH 130 MATH FOR ELEMENTARY SCHOOL TEACHERS**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Prerequisite: High school geometry with a grade of C or better and either two years of high school algebra, or MATH-070, with a grade of C or better.
Language of sets, systems of numeration, nature of numbers and fundamentals of operations, domain of integers, fields of rational, real, and complex numbers.

**MATH 140 INTRODUCTORY STATISTICS**
Units: 4.00 - UC:CSU
5.00 hours lecture weekly
CAN: STAT 2
Prerequisite: Two years of high school algebra with a grade of B or better and appropriate math placement as determined by the COC assessment process; or MATH 070 with a grade of C or better.
Includes a study of probability and counting techniques. Emphasis is placed on the understanding of statistical methods. Topics include empirical and theoretical frequency distributions, sampling, estimation, hypothesis testing, correlation, and regression.

**MATH 211 CALCULUS I**
Units: 5.00 - UC:CSU
5.00 hours lecture weekly
CAN: MATH 18
Prerequisite: High school mathematical analysis or appropriate math placement as determined by the COC assessment process; or MATH 102 and 103 with a grade of C or better.
Introduction to limits, derivatives and integrals. Applications including rate of change, maxima-minima, curve sketching, and area problems.

**MATH 212 CALCULUS II**
Units: 5.00 - UC:CSU
5.00 hours lecture weekly
CAN: MATH 20 (MATH 211 + MATH 212)
Prerequisite: MATH 211 with a grade of C or better, or equivalent.
A continuation of Math 211. Topics include differentiation and integration of transcendental functions, techniques of integration, infinite series with radii of convergence, improper integrals and applications.

**MATH 213 CALCULUS III**
Units: 5.00 - UC:CSU
5.00 hours lecture weekly
CAN: MATH 22
Prerequisite: MATH 212 with a grade of C or better, or equivalent.
A continuation of MATH 212. Vectors and vector calculus, functions of several variables, partial derivatives, multiple integrals, line and surface integrals.

**MATH 214 LINEAR ALGEBRA**
Units: 3.00 - UC:CSU
4.00 hours lecture weekly
CAN: MATH 26
Prerequisite: MATH 211 or equivalent, with MATH 212 and 213 recommended.
Linear algebra including real vector spaces, inner product spaces, linear transformations, matrices, determinants and eigen values.

**MATH 215 DIFFERENTIAL EQUATIONS**
Units: 3.00 - UC:CSU
4.00 hours lecture weekly
CAN: MATH 24
Prerequisite: Satisfactory completion of, or concurrent enrollment in, MATH 213.
A first course in ordinary differential equations, systems of linear differential equations, the Laplace transforms, numerical methods, series solutions and applications.

**MATH 240 MATH ANALYSIS FOR BUSINESS & SOCIAL SCIENCE**
Units: 5.00 - UC:CSU
5.00 hours lecture weekly
CAN: MATH 34
Prerequisite: MATH 103 with a grade of C or better, or appropriate math placement as determined by the COC assessment process.
A review of functions: linear, quadratic, logarithmic, and exponential. The three main topics of calculus: limits of functions, derivatives of functions, and integrals of functions. Applications of these concepts are studied in depth.
MUSIC 100 FUNDAMENTALS OF MUSIC
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Introduction to the elements of music and musical notation, music reading and sight-singing, scales and intervals. Study of musical skills useful in working with children and youth, basic keyboard skills.

MUSIC 101 MUSICIANSHIP SKILLS I
Units: 1.00 - UC:CSU
3.00 hours lab weekly
First level in a series of four. Comprehensive training workshops for musicians through the intensive practice of sight-singing, melodic and rhythmic dictations, chords recognition as well as applied music theory exercises.

MUSIC 102 MUSICIANSHIP SKILLS II
Units: 1.00 - UC:CSU
3.00 hours lab weekly
Second level in a series of four. Comprehensive training workshops for musicians through the intensive practice of sight singing, melodic and rhythmic dictations, chords recognition as well as applied music theory exercises.

MUSIC 103 MUSICIANSHIP SKILLS III
Units: 1.00 - UC:CSU
3.00 hours lab weekly
Third level in a series of four. Comprehensive training workshops which provide musicians with intensive practice in sight-singing, melodic and rhythmic dictations, chords recognition and applied music theory exercises.

MUSIC 104 MUSICIANSHIP SKILLS IV
Units: 1.00 - UC:CSU
3.00 hours lab weekly
Fourth in a series of four. Comprehensive training workshops for musicians through the intensive practice of sight-singing, melodic and rhythmic dictations, chords recognition as well as applied music theory exercises.

MUSIC 105 UNDERSTANDING MUSIC
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A survey of musical thought and musical masterpieces through all eras of musical evolution. Development of the student’s understanding of music in relation to other arts and general culture through listening experiences, lectures, and discussion.
MUSIC 106 DEVELOPMENT OF JAZZ
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
The study of jazz as a cultural medium: its historical background and its development in the United States.

MUSIC 107 SOCIETY AND ROCK & ROLL
Units: 3.00 - CSU
3.00 hours lecture weekly
Explores the rise of rock and roll as a modern musical genre and examines its influence on modern society. Other styles of contemporary commercial music will be discussed and analyzed within their historical context.

MUSIC 110 INTRODUCTION TO MUSIC TECHNOLOGY
Units: 3.00 - CSU
3.00 hours lecture weekly, May be taken 4 times for credit
An introduction to the production of electronic music. Topics covered include operating systems and system software; data structures for computer information; the hardware mechanics of a computer; instructional software for musicians; acoustics; data structures for sampling and MIDI; data structures for laser audio and video; hardware devices for music publishing; music notation software; software for music sequencing; MIDI hardware; software for creating, organizing, and editing sound; hardware for digital sampling and recording; software for communication; networking hardware; and multimedia hardware. Same as CMPELC 110.

MUSIC 120 TONAL HARMONY
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A comprehensive study of the theory and practice of western harmony from the 17th century to the beginning of the 20th century. Major topics include diatonic triads, seventh chords, principles of voice leading, non-chordal tones and harmonic analysis of music from the classical period.

MUSIC 121 CHROMATIC HARMONY
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Emphasis on modulatory techniques, altered chords, formal analysis of Romantic, Impressionist and Modern music literature. Introduction to late 20th Century compositional techniques.

MUSIC 122 TONAL COUNTERPOINT
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A study of the forms of counterpoint with emphasis placed on the tonal concept. Composition and analysis of contrapuntal forms in the 18th Century style of J.S. Bach, including imitative forms, canon, invention, and fugue.

MUSIC 123 MODAL COUNTERPOINT
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
The study of composition practices of the 16th Century with emphasis on species counterpoint. Analysis and emulation of Motet and Mass, Fugue, and other musical forms using imitative techniques.

MUSIC 125 STUDIES IN MUSIC COMPOSITION
Units: 4.00 - UC:CSU
2.00 hours lecture weekly, 6.00 hours lab weekly, May be taken 4 times for credit
Technical and historical analysis of works in various music languages. Students will compose individual pieces to be performed by college-based music ensembles. Students will have access to computer-based music laboratory.

MUSIC 126 POP AND JAZZ THEORY
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Directed towards the contemporary music student interested in contemporary popular music, this course focuses on the theoretical principles found within the styles of jazz and pop. Students will be encouraged to compose original music utilizing techniques taught in class.

MUSIC 127 ORCHESTRATION I
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Prerequisite: MUSIC 100
A study of orchestration as it applies to the instruments of the standard symphonic ensemble. Course will also deal with the use of computers, samplers and synthesizers as tools for the contemporary composer and arranger as well as with the use of instruments from non-European traditions. MUSIC 127 and 128 do not need to be taken in sequence.
MUSIC 128 ORCHESTRATION II
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Prerequisite: MUSIC 100
Second part of a series of two courses devoted to the study of orchestration as it applies to the instruments of the standard symphonic ensemble. Course will also deal with the use of computers, samplers and synthesizers as tools for the contemporary composer and arranger as well as with the use of instruments from non-European traditions. MUSIC 127 and 128 do not need to be taken in sequence.

MUSIC 129 MUSIC PRODUCTION FOR FILM & TELEVISION
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Designed to provide the technical and aesthetic tools needed for the production of music for motion pictures and video. Focuses on the artistic issues as well as the mechanics of matching sounds with a visual counterpart. Same as RTVF 129.

MUSIC 131 KEYBOARD INSTRUCTION I
Units: 2.00 - UC:CSU
1.00 hours lecture weekly, 2.00 hours lab weekly
Fundamentals of piano playing; includes scales, chords, sight reading, technical exercises, transposition, improvisation, keyboard theory and beginning piano literature.

MUSIC 132 KEYBOARD INSTRUCTION II
Units: 2.00 - UC:CSU
1.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Level Two piano playing, music reading, technique, scales, transposition, keyboard harmonization and simple to intermediate piano literature.

MUSIC 140 STUDIO SINGING
Units: 1.00 - CSU
3.00 hours lab weekly, May be taken 4 times for credit
An intensive study of all music-reading and vocal skills required of professional studio singers. Many styles of commercial music will be explored and public performances will be scheduled. This course is intended for the serious professionally-oriented student who is willing to devote time and energy to developing talent. A demo tape will be produced.

MUSIC 141 VOICE DEVELOPMENT
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
Techniques and concepts for mastering the art of singing. Emphasis on posture, breathing, tone production, musicianship and interpretation.

MUSIC 151 JAZZ IMPROVISATION
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
Designed to assist the jazz-oriented musician in improving ability to improvise. Other emphasis on organization of and participation in small combo groups.

MUSIC 153 STUDIO JAZZ ENSEMBLE
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
Development of performance standards in Big Band jazz. Investigation of new concepts in the field of jazz music. Workshop experience for composers and arrangers.

MUSIC 160 GUITAR STUDIES I
Units: 2.00 - UC:CSU
1.00 hours lecture weekly, 3.00 hours lab weekly
The study and application of basic skills on the guitar. Course focuses on the introduction of chord structures, sight reading (open strings and first position), as well as rhythm techniques.

MUSIC 161 GUITAR STUDIES II
Units: 2.00 - UC:CSU
1.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
A continuation course concentrating on the study and application of basic skills on the guitar. Emphasis on chord structures, sight reading (open strings through 5th position), as well as rhythm techniques.

MUSIC 165 SYMPHONY OF THE CANYONS
Units: 2.00 - UC:CSU
1.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
The study of musical styles and rehearsal techniques as they relate to performance of symphonic literature, as well as orchestra accompaniment of operatic and major choral works.
MUSIC 167 JAZZ GUITAR STUDIES I
Units: 2.00 - UC:CSU
1.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
A study of position-playing for jazz guitar. Topics include: jazz chordal structures; rhythm comping and structural analysis of jazz forms.

MUSIC 168 JAZZ GUITAR STUDIES II
Units: 2.00 - UC:CSU
1.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
An intermediate level study of position-playing for jazz guitar. Topics include jazz chordal structures, rhythm comping and structural analysis of jazz forms.

MUSIC 169 IMPROVISATION FOR GUITARISTS
Units: 2.00 - UC:CSU
1.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Primarily designed for guitarists (other instrumentalists are welcomed), this course focuses on the many facets of improvising including usage of pentatonic, major, minor, and harmonic minor scales along with relative harmonic chord progressions. Performances by soloists from different eras in various styles ranging from the 20's through the 90s in jazz, rock, fusion, country, and Latin will be analyzed. Students will develop techniques to enhance natural abilities of playing by ear by utilizing scales and positions on the instrument.

MUSIC 170 BASS GUITAR STUDIES I
Units: 2.00 - UC:CSU
1.00 hours lecture weekly, 3.00 hours lab weekly
The study and application of basic skills on the electric bass guitar. Course focuses on the construction and performance of bass lines through chord changes in standard popular and jazz repertoire. Students will learn note-reading skills on the instrument.

MUSIC 171 BASS GUITAR STUDIES II
Units: 2.00 - UC:CSU
1.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Second in the series on the application of skills on the electric bass guitar, this course focuses on the construction of complex bass lines through chord changes in standard popular and jazz repertoire. Students will learn advanced note-reading skills on the instrument.

MUSIC 174 COLLEGE CHORUS
Units: 1.00 - CSU
3.00 hours lab weekly
Study and interpretation of music for the vocal chamber group from all eras in music history.

MUSIC 175 FESTIVAL CHOIR: VOICES OF THE CANYONS
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
A study of musical styles, performance practices and rehearsal techniques through rehearsal and performance of selected choral literature suitable to festival participation. This choral group refines individual selections to high performance standards and represents the College at intercollegiate festivals, on-campus performances, and in the community.

MUSIC 176 CHAMBER SINGERS
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
Study and performance of sacred and secular chamber choral repertoire from the 15th to the 20th centuries. Emphasis on the cultivation of skills needed to sing from a variety of choral styles and historical periods.
Attendance at all scheduled performances is required.

MUSIC 177 LES CHANTEUSES: WOMEN’S CHOIR
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
A study of musical styles, performance practices and rehearsal techniques through the learning of selected choral literature written specifically for the female voice. This choral group refines individual selections to high performance standards and represents the college at intercollegiate festivals, on-campus events, and within the community.

MUSIC 178 COLLEGE OF THE CANYONS MARCHING BAND
Units: 2.00 - UC:CSU
6.00 hours lab weekly, May be taken 4 times for credit
Rehearsal and performance of music suitable for marching band with strong emphasis on marching skills. Ample opportunities for participation in public performances such as football games, field shows, parades and tours will be provided.
MUSIC 179 COC MARCHING/DANCE TROUPE
Units: 2.00 - CSU
6.00 hours lab weekly, May be taken 4 times for credit
Rehearsal and performance of rifle, flag, and dance units auxiliary to the College of the Canyons Marching Band. Subsequent enrollment will provide the student an opportunity for additional skill and competency development within the subject matter. (Same as DANCE 179.)

MUSIC 180 MUSIC BUSINESS
Units: 3.00 - CSU
3.00 hours lecture weekly
A study of the music industry as it relates to production, recording, manufacturing, publishing, and copyrights, performing rights and marketing.

MUSIC 181 APPLIED MUSIC STUDIES I
Units: 2.00 - UC:CSU
1.00 hours lecture weekly, 3.00 hours lab weekly
First in the series of four progressive studio lessons on a specific woodwind, brass, string, percussion instrument, voice, or conducting. Emphasis on technical development and the learning of musical repertoire. Students must participate in a recital while enrolled in the class.

MUSIC 182 APPLIED MUSIC STUDIES II
Units: 2.00 - UC:CSU
1.00 hours lecture weekly, 3.00 hours lab weekly
Second in a series of four progressive studio lessons on a specific woodwind, brass, string, percussion instrument, voice, or conducting. Emphasis on technical development and the learning of musical repertoire. Students must participate in a recital while enrolled in the class.

MUSIC 183 APPLIED MUSIC STUDIES III
Units: 2.00 - UC:CSU
1.00 hours lecture weekly, 3.00 hours lab weekly
Third in a series of four progressive studio lessons on a specific woodwind, brass, string, percussion instrument, voice, or conducting. Emphasis on technical development and the learning of musical repertoire. Students must participate in a recital while enrolled in the class.

MUSIC 184 APPLIED MUSIC STUDIES IV
Units: 2.00 - UC:CSU
1.00 hours lecture weekly, 3.00 hours lab weekly
Fourth in a series of four progressive lessons on a specific woodwind, brass, string, percussion instrument, voice, or conducting. Emphasis on technical development and the learning of musical repertoire. Students must participate in a recital while enrolled in the class.

MUSIC 185 SYMPHONIC BAND
Units: 2.00 - CSU
1.00 hour lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Emphasizes the performance of standard college-level wind and percussion literature including proper playing and performance technique. Extensive warm-up skills will be developed, along with scale studies and rhythmic refinement exercises. Students will be required to appear in two or more public performances. Ability to play a wind, percussion, or brass instrument is assumed.

MUSIC 186 MUSIC ENSEMBLE
Units: 2.00 - CSU
1.00 hours lecture weekly, 6.00 hours lab weekly
Explores chamber music literature and practices. Specific technical skills will be addressed including breathing, phrasing, tonguing, bow technique, embouchure development and rehearsal standards. Ability to perform at a minimum level of proficiency on a woodwind, brass, string or percussion instrument is assumed. Public performance is required. For woodwinds, brass, string, percussion and mixed ensemble.

NURSING
(See also Vocational Nursing)

NURSNG 050 NURSE ASSISTANT TRAINING
Units: 5.00
3.00 hours lecture weekly, 6.00 hours lab weekly
Prerequisite: TB test and physical exam within the last six months. College placement at English 090 level recommended. Proof of vaccination for Hepatitis B (or signed waiver), rubeola, rubella, mumps, polio, diph-
theria, and tetanus required. This packet contains forms which must be completed and submitted to the Nursing Office before the first day of class.

Selected fundamental nursing skills needed to care for the hospitalized patient. Includes clinical practice in a skilled nursing facility with emphasis on the role and responsibilities of the nurse assistant, safety principles and infection control, basic patient care skills, and emotional, social, and spiritual needs of the patient. This is the first level of the nursing career ladder. Upon completion, the student will be eligible to take the California test for certification.

**NURSNG 051 HOME HEALTH AIDE**

Units: 1.50
1.00 hours lecture weekly, 1.50 hours lab weekly
Prerequisite: CNA or Nurse Aide Training course, should have ENGL 090 skills. Prior to registering, all students must pick up a pre-enrollment packet in Admissions and Records or the Nursing Office. This packet contains forms which must be completed and submitted to the Nursing Office before the first day of class.

Provides theory and practical application of knowledge and skills needed to function as a home health aide. Emphasis is on the role of the home health aide, interpretation of client needs, personal care services, nutrition, and cleaning and care tasks in the home. Upon completion, students are eligible for California certification.

**NURSNG 052 INTRODUCTION TO MEDICAL ASSISTING**

Units: 3.00
3.00 hours lecture weekly
An introduction to the role of the medical assistant and the history of the field. Covers principles of law and ethics, critical thinking, study skills, multicultural issues, performance evaluation, nutrition, patient education, and customer service. Includes theory, medical terminology, demonstration and application of asepsis, safety, obtaining a history, and assisting with a patient examination.

**NURSNG 053 BEGINNING MEDICAL ASSISTING**

Units: 3.00
3.00 hours lecture weekly
Anatomy and physiology of sense organs, musculoskeletal, reproductive, and digestive systems are presented. Assisting the physician with related clinical procedures such as ear irrigation, laser treatments, orthopedic appliances and colon procedures are practiced in a clinical simulation. Client screening procedures including vital signs, vision and hearing are also learned.

**NURSNG 054 INTERMEDIATE MEDICAL ASSISTING**

Units: 3.00
3.00 hours lecture weekly
Anatomy and physiology of the urinary, respiratory and endocrine systems are presented. Theory, demonstration and practice performing routine lab procedures in clinical simulation. Also included are the role of the medical assistant in minor surgery, skin preparation, wound care, and maintaining a sterile field.

**NURSNG 055 ADVANCED MEDICAL ASSISTING**

Units: 3.00
3.00 hours lecture weekly
Anatomy and physiology of the circulatory, neurological, and immune systems are presented, as well as theory and practice in obtaining an electrocardiogram. Basic mathematics and principles of pharmacology including drug classifications, safety, preparation and administration of medications are demonstrated and practiced in clinical simulation. Office emergencies and CRP are also covered.

**NURSNG 056 PHLEBOTOMY**

Units: 4.50
5.38 hours lecture weekly, 12.50 hours lab weekly, May be taken 2 times for credit
Designed to prepare personnel who collect blood samples for medical laboratory analysis. Technique, equipment, and proper patient preparation will be stressed. Successful completion of course results in a Phlebotomy Technician Proficiency Certificate.

Phlebotomists work in hospitals, medical clinics, commercial laboratories and in other settings where blood is collected from patients. Includes learning experiences both in on-campus and at affiliated clinical sites. This is a short-term course.
NURSNG 090 CRITICAL THINKING IN NURSING
Units: 1.00
1.00 hours lecture weekly
Covers the basic concepts of critical thinking: definitions, characteristics, barriers and strategies which are then applied through the use of case studies, scenarios, and critical thinking questions. Prepares the student nurse for state board exams or the working nurse with better critical thinking skills.

NURSNG 091 PEDIATRIC NURSING
Units: 3.00
3.00 hours lecture weekly
Focuses on the differences in children and adults. Includes assessment, growth and development according to Erickson and Piaget, disease process and treatment pertinent to the different age groups of children from newborn to the adolescent, pediatric procedures, and calculation of dosage for children. Discusses the hospitalized child and pediatric variations of nursing interventions, including immunizations, and the role of the pediatric nurse. Incorporates cultural aspects of pediatric care, communication with various aged children and critical thinking when caring for the pediatric client.

NURSNG 097 PRINCIPLES AND TECHNIQUES FOR INTRAVENOUS THERAPY
Units: 1.50
4.00 hours lecture weekly, 1.00 hours lab weekly, May be taken 2 times for credit
Principles and techniques of intravenous therapy. Students learn theory, the management of clients receiving I.V. Therapy and the complications and risks involved with this therapy. Course complies with the State Board of Vocational Nurse Guidelines; upon successful completion, participants receive a state-issued certificate in I.V. Therapy. This is a short-term course.

NURSNG 098 SPECIAL TOPICS IN HEALTH CARE
Units: 0.50-3.00
0.50-3.00 hours lecture weekly
Designed to provide a forum in which different topics of interest can be presented for nursing students and nurses working in the community.

NURSNG 101A FUNDAMENTALS OF NURSING - A
Units: 4.00 - CSU
4.00 hours lecture weekly
Prerequisite: Admission to Nursing program.
Corequisite: NURSNG 101AL, NURSNG 101B, NURSNG 101BL
First course in the medical-surgical nursing course series. In this class, the student studies the biopsychosociocultural-spiritual requisites and deficits of the adult, including geriatric clients with noncomplex health deviation self-care requisites. The curriculum strands--knowledge, nursing process, psychomotor skills, communication, management of care, professional-legal-ethical practice, collaboration and self-direction--are integrated at a basic level. The knowledge strand includes the self-care deficit theory; growth and development; and selected noncomplex health deviations of balance between activity and rest. The last-named portion of the strand consists of etiologies, pathophysiology, diagnostic assessments and basic primary, secondary, and tertiary management, including medication, nutrition and teaching. The course stresses principles of psychomotor skills and management of one client. Collaboration with nursing staff and factors contributing to self-direction are discussed.

NURSNG 101AL FUNDAMENTALS OF NURSING-A: LAB
Units: 4.50 - CSU
13.50 hours lab weekly
Corequisite: NURSNG 101A, NURSNG 101B and NURSNG 101BL.
First clinical course of the medical-surgical series in which the student applies knowledge and skills learned in NURSNG 101A and 101B to care for one client. The student utilizes the nursing process with the instructor’s assistance, focusing on noncomplex nursing diagnoses and applying wholly compensatory and supportive, educative nursing actions to assist the client toward self-care. Primary, secondary and tertiary interventions – including medication, nutrition and teaching – are integrated in the nursing actions. The student applies basic communication skills and principles of management in the care of one client and begins to recognize the importance of self-direction and collaboration with the nursing staff. Clinical experience is obtained in secondary-care facilities.
NURSING

NURSNG 101B FUNDAMENTALS OF NURSING - B
Units: 0.50 - CSU
0.50 hours lecture weekly
Prerequisite: Acceptance to Nursing Program.
Corequisite: NURSNG 101A, NURSNG 101AL, and NURSNG 101BL.

This first semester course enables the student to gain knowledge in pharmacokinetic, pharmacodynamic, psychomotor, psychological, legal and safety aspects of topical, oral/enteral, intradermal, subcutaneous and intramuscular medication administration. Additionally, basic information relating to intravenous therapy is introduced. Considers cultural aspects of drug therapy, self-medicating, medicating the elderly, and nutritional concerns such as fluids/electrolytes and enteral feedings. Integrates concepts and principles derived from the curriculum strands in NURSNG 101A and 101AL.

NURSNG 101BL FUNDAMENTALS OF NURSING - B: LAB
Units: 1.00 - CSU
3.00 hours lab weekly
Corequisite: NURSNG 101A, NURSNG 101AL, and NURSNG 101B.

This is a laboratory course for NURSNG 101B where the student applies the concepts and principles learned in the theory component. The steps of the nursing process, in simulated actions, are utilized in the administration of topical, oral/enteral, intradermal, subcutaneous and intramuscular medications. Basic concepts of IV Therapy are introduced. The student uses computer-assisted instruction to master calculation of dosages. Other psychomotor skills are learned, including blood glucose monitoring. The student gains competency in psychomotor skills in the laboratory before applying them to actual clients.

NURSNG 102 BEGINNING MEDICAL-SURGICAL NURSING
Units: 2.50 - CSU
2.50 hours lecture weekly
Prerequisite: NURSNG 101A, NURSNG 101AL, NURSNG 101B, NURSNG 101BL.
Corequisite: NURSNG 102L

This is the second course of the medical-surgical series in which the student learns about the biopsychosocio-cultural-spiritual requisites and deficits of the adult, including the geriatric client, with beginning complex health deviations in self-care requisites for the maintenance of eliminative, regulatory, and reproductive processes. Curriculum strands of theoretical and empirical knowledge, nursing process, communication, psychomotor skills, management of care, professional-legal-ethical practice, collaboration, and self-direction are integrated throughout the course. The knowledge strand includes, self-care deficit theory, health deviations and their etiologies, pathophysiologies, manifestations and management that entails primary, secondary, and tertiary care, including medications, nutrition and teaching. The student learns the theories behind beginning complex psychomotor skills such as venipuncture, total parenteral nutrition, colostomy care, urinary bladder irrigation; and management of two clients.

NURSNG 102L BEGINNING MEDICAL-SURGICAL NURSING LAB
Units: 1.50 - CSU
4.24 hours lab weekly
Prerequisite: NURSNG 101A, NURSNG 01AL, NURSNG 101B, NURSNG 101BL.
Corequisite: NURSNG 102

This is the second clinical course of the medical-surgical series in which the student learns to care for the client with simple to beginning complex health deviations associated with eliminative, regulatory, and reproductive processes. The student utilizes knowledge and skills gained in NURSNG 102 and previous courses to make nursing practice decisions. The student continues to use nursing process with assistance, targeting beginning complex nursing diagnoses and implementing wholly compensatory, partly compensatory and supportive/educative nursing actions to assist the client toward self-care or significant others to provide client with dependent care. Primary, secondary, and tertiary care including medications, nutrition and teaching are integrated in the nursing actions. The student utilizes previously learned, and new beginning complex communication techniques and manages the care of one to two clients. The student begins to collaborate with other disciplines, and begins to display more self-direction in learning and providing nursing care. Clinical experience is obtained in primary and secondary care facilities.
NURSING 103 LVN TO RN BRIDGE CLASS
Units: 1.50 - CSU
1.41 hours lecture weekly
This is a transition course in which the student learns information necessary to perform as a second year Associate Degree Nursing Program student. The curriculum strands of nursing process, communication, management of care, professional-legal ethical practices, collaboration and self-direction and knowledge are integrated throughout the course or are introduced. The knowledge strand includes the self-care deficit theory, selected health deviations and their etiologies, pathophysiology, manifestations and management including medications, nutrition and teaching. The student learns the theory behind physical assessment, stress management and role transition.

NURSING 106 MATERNAL - NEWBORN/PEDIATRIC NURSING
Units: 3.00 - CSU
3.00 hours lecture weekly
Prerequisite: NURSNG 101A, NURSNG 101AL, NURSNG 101B, NURSNG 101BL, NURSNG 102, NURSNG 102L.
Corequisite: NURSNG 106L
This is a study of the biopsychosocial-cultural-spiritual requisites and deficits of the childbearing family and the pediatric client utilizing the nursing process. The focus is on family centered care. Curriculum strands of theoretical and empirical knowledge, nursing process, communication, psychomotor skills, management of care, professional-legal-ethical practices, collaboration, and self-direction are integrated throughout the course. The knowledge strand includes the self-care deficit theory, health deviations and their etiologies, pathophysiology, manifestations and management that includes primary, secondary, and tertiary care including medications, nutrition and teaching. The student learns the theory behind physical assessment, stress management and role transition.

NURSING 106L MATERNAL - NEWBORN/PEDIATRIC NURSING LAB
Units: 2.50 - CSU
7.50 hours lab weekly
Prerequisite: NURSNG 101A, NURSNG 101AL, NURSNG 101B, NURSNG 101BL, NURSNG 02, NURSNG 102L.
Corequisite: NURSNG 106
This is the clinical course of Maternal-Newborn/Pediatric Nursing. In this course the student learns to care for the childbearing family and the pediatric client. The student utilizes knowledge and skills gained in Nursing Science 106 and previous courses to make nursing practice decisions. With assistance, the student uses the nursing process in implementing wholly compensatory, partly compensatory and supportive/educative nursing actions, integrating primary, secondary and tertiary care, including medication, nutrition and teaching, to assist the client toward self-care or significant others to provide client with dependent care. The student utilizes new and previously learned communication techniques and manages the care of one or two clients. The student begins to collaborate with other disciplines, and begins to display more self-direction in learning and in providing nursing care. Clinical experience is obtained in primary and secondary care facilities.

NURSNG 200 PSYCHIATRIC NURSING
Units: 2.50 - CSU
2.50 hours lecture weekly
Prerequisite: NURSNG 106, NURSNG 106L, except for the LVN to RN students who need NURSNG 103.
Corequisite: NURSNG 200L
This course is a study of the psychosociocultural-spiritual and relevant biological self-care requisites and deficits of the adult, including the geriatric client, in mental health settings with health deviations in the maintenance of balance between solitude and social interaction, prevention of hazards to life, functioning and well-being, and promotion of normalcy and development. Curriculum strands of knowledge, nursing process, nursing diagnosis, psychomotor skills, communication, management of care, professional-legal-ethical practices, collaboration and self-direction are integrated throughout the course. The knowledge strand consists of the personality/developmental theories, health deviations, and their etiology, manifestations, and manage-
ment that entails primary, secondary, and tertiary preventions including medications, nutrition and teaching. There is an in-depth study of therapeutic communication techniques utilized in mental health settings.

**NURSNG 200L PSYCHIATRIC NURSING LAB**

Units: 2.00 - CSU
6.00 hours lab weekly
Prerequisite: NURSNG 106 and NURSNG 106L.
Corequisite: NURSNG 200.

The clinical course of NURSNG-200 where the student learns to care for the client with health deviations in the maintenance of balance between solitude and social interaction, prevention of hazards to life, functioning and well-being, and promotion of normalcy and development. Concepts and principles learned in the curriculum strands of knowledge, nursing process, nursing diagnosis, psychomotor skills, communication, management of care, professional-legal-ethical practices, collaboration and self-direction are applied in the clinical area.

Knowledge includes personality/developmental theories, health deviations and their causative factors, manifestations, primary, secondary and tertiary preventions including medications, psychotherapeutic approaches, nutrition and teaching. The student continues to assist up to two clients in achieving self-care. The nursing process is more focused and communication skills become more psychotherapeutic. The student develops more confidence in collaborating with the health team and in self-direction.

**NURSNG 202L INTERMEDIATE MEDICAL-SURGICAL LAB**

Units: 2.00 - CSU
6.00 hours lab weekly
Prerequisite: NURSNG 200 and NURSNG 200L.
Corequisite: NURSNG 202.

This is the third clinical course of the medical surgical series in which the student learns to care for the client with complex health deviations associated with maintenance of sufficient intake of air and balance of activity and rest. The student utilizes knowledge and skills learned in NURSNG 202 and previous courses to make nursing practice decisions. Student utilizes the nursing process targeting complex nursing diagnoses and implementing wholly compensatory, partly compensatory and supportive/educative nursing actions to assist the client toward self-care or significant others to provide client with dependent care. Primary, secondary and tertiary interventions including medication, nutrition and teaching are integrated in the nursing actions. The student uses new and previously learned communication techniques and manages the care of up to three clients. The student collaborates with increasing numbers of personnel and displays more self-direction in learning and in providing nursing care. Clinical experience is obtained in secondary care facilities.

**NURSNG 202 INTERMEDIATE MEDICAL-SURGICAL NURSING**

Units: 3.00 - CSU
3.00 hours lecture weekly
Prerequisite: NURSNG 200 and NURSNG 200L.
Corequisite: NURSNG 202L.

This is the third course of the medical-surgical series in which the student learns about the biopsychosociocultural-spiritual requisites and deficits of the adult, including the geriatric client, with complex health deviation in the maintenance of sufficient intake of air, and balance between activity and rest. Curriculum strands of knowledge, nursing process, nursing diagnosis, psychomotor skills, communication, management of care, professional-legal-ethical practices, collaboration, and self-direction are integrated throughout the course. The knowledge strand includes the self-care deficit theory, health deviations and their pathophysiology, etiology, manifestations and management that entails primary, secondary and tertiary preventions including medications nutrition, and teaching. Principles of management of care of up to three clients are studied. The student learns ways of increasing collaboration with the health team and increasing self-direction in providing complex nursing care.

**NURSNG 204 ADVANCED MEDICAL-SURGICAL NURSING**

Units: 5.50 - CSU
5.50 hours lecture weekly
Prerequisite: All previous Nursing courses.
Corequisite: NURSNG 204L.

This is the final medical surgical nursing course. Students will integrate prior theory as well as learn the biopsychosociocultural-spiritual requisites and deficits of adult and geriatric clients with critical and chronic health deviations in the maintenance of sufficient intake of air, elimination, balance between activity and rest and between solitude and social interaction. Hazards to human life and the promotion of normalcy are studied.
The curriculum strands are integrated throughout the course: knowledge, nursing process, nursing diagnosis, psychomotor skills, communication, management, professional-legal-ethical practices, collaboration, and self-direction. The knowledge strand includes self-care deficit theory, growth and development, health deviations, nutrition, pharmacology, teaching, the continuum of care as well as psychosociocultural-spiritual values. Principles of the management of up to six clients and the economics of health care are included.

**NURSNG 204L ADVANCED MEDICAL-SURGICAL NURSING LAB**

Units: 4.50 - CSU
13.50 hours lab weekly
Prerequisite: All previous Nursing courses.
Corequisite: NURSNG 204.

This is the final clinical medical surgical course. Students are expected to integrate relevant prior clinical skills and classroom theory as well as to apply new theory and practice new skills in a variety of settings in which their role as a professional, a manager and a provider of care becomes more independent. The student collaborates in the management of up to six adult clients with complex deviations of health care requisites as well as in the care of clients with critical and chronic deviations associated with the maintenance of sufficient intake of air, elimination, balance between activity and rest, and between solitude and social interaction. The student promotes the elimination of hazards and the promotion of normalcy. The student independently utilizes the nursing process by analyzing for Nursing Diagnoses, determining outcomes, and planning, applying or supervising nursing interventions which are wholly compensatory, partly compensatory, or supportive/educative to assist the client toward self care. In addition the student evaluates the outcomes and nursing interventions, revising the plan as needed. The student collaborates with professional nurses in managing the care of the clients in the intensive care, oncology unit, the perioperative areas, in clinics, in home health, and other specialty areas. The student is expected to communicate independently in writing as well as verbally in each area as dictated by the course objectives. Clinical experience is obtained primarily in secondary and tertiary facilities.

**NURSNG 206 OPERATING ROOM NURSING**

Units: 5.00 - CSU
5.00 hours lecture weekly
A one-semester course in operating room nursing designed for registered nurses. Lecture and clinical objectives encompass three areas of perioperative nursing care: preoperative assessment and planning, intraoperative implementation, and postoperative evaluation. It is highly recommended that students be sponsored by a clinical facility, which will provide a preceptor for an average of eight hours each week so the student can integrate the seven hours of theory taught at College of the Canyons.

**NURSNG 208 OBSTETRICAL NURSING**

Units: 7.00 - CSU
7.00 hours lecture weekly
This course provides seven hours of lecture each week. Lecture content focuses on the obstetrical patient undergoing the four states of labor and include anatomy, physiology, assessment factors. In the clinical setting, the student works directly with a staff nurse preceptor. Student applies lecture theory to patients in the labor/delivery/recovery suite of the hospital. It is highly recommended that students be sponsored by a clinical facility, which will provide a preceptor for an average of eight hours each week so the student can integrate the seven hours of theory taught at College of the Canyons.

**NURSNG 210 NURSING INTERNSHIP**

Units: 3.00 - CSU
0.50 hours lecture weekly, 8.50 hours lab weekly, May be taken 4 times for credit
Six-week class designed for nurses who have graduated from a registered nursing program. Course is designed to bridge the way for graduates from their educational program to employment. One-hundred forty-four (144) hours are spent with a preceptor at a clinical site either a hospital or home health agency. Nine (9) hours of lecture include topics such as resume writing, interviewing skills, and role transition from student to registered nurse. Certificate of completion is given to student which assists in job search. Offered January and June. Schedule is determined by student and instructor and preceptor.
NURSING • PERSONAL DEVELOPMENT

NURSING 212 PHYSICAL ASSESSMENT
Units: 2.50 - CSU
2.00 hours lecture weekly, 1.50 hours lab weekly, May be taken 2 times for credit
Lecture content is designed to develop an in-depth review and synthesis of physical assessment skills and knowledge covering the life span. Integration of the health history, physical examination techniques, and the nursing process is emphasized.

NURSING 214 GERONTOLOGICAL NURSING
Units: 3.00 - CSU
3.00 hours lecture weekly
A comprehensive study of gerontological nursing which includes the normal aging process - functional and structural. This class also examines neurological and behavioral problems in the elderly. Medical and nursing management in cardiovascular problems, diabetes mellitus, gastrointestinal problems, hearing loss, hypertension, incontinence and other urinary problems, muscular skeletal problems, cancer and other problems such as chronic diseases in the elderly.

NURSING 241 CRITICAL CARE NURSING I
Units: 3.00 - CSU
3.00 hours lecture weekly
An introduction to principles of electrocardiography and arrhythmia recognition with special emphasis on the physiology and treatment of arrhythmias. Pharmacology of drugs used in the treatment of cardiac arrhythmias and CPR. Designed for allied health personnel currently working in the field.

NURSING 242 CRITICAL CARE NURSING II
Units: 3.00 - CSU
3.00 hours lecture weekly
Primarily designed for allied health personnel currently working in field. Review of anatomy and physiology of the pulmonary and cardiovascular system with special emphasis on arterial blood gases, physical diagnosis of the chest and the use of respirators in the treatment of pulmonary diseases. Current concepts in fluid and electrolytes will be presented and the various mechanisms of acid-base balance control will be included. Emphasis is also placed on cardiac physiology as a basis for the understanding and treatment of cardiac failure. The final section will deal with new concepts in critical care including pressure monitoring, septic shock, disseminated intravascular coagulation and adult respiratory distress syndrome.

NURSING 243 WOMEN & HEALTH
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Provides a broad perspective of women relating as providers and consumers to the health care system. Explores past and current health care issues. Also explores philosophical, historical, cross-cultural, ethical, and political issues surrounding women's health. The unique role of women in the health care system will be discussed in terms of current and future trends. Also covers specific topics which will include sexuality, mental health, reproductive health, women in the health profession, and men in non-traditional careers. (Formerly INTERD 101). (Same as HLHSCI 243.)

PERSONAL DEVELOPMENT

PERDEV 010 CAREER PLANNING
Units: 2.00
2.00 hours lecture weekly
Focuses on the various components of career choice and long-term life planning. Assessment of interests, values, personal preferences and skills are featured, as is the use of occupational information and the development of job-search skills. Also featured are resume writing and visits to the College Career Center. Offered on a credit/no credit basis only.

PERDEV 020 SELF AWARENESS
Units: 0.50-1.00
0.50-1.00 hours lecture weekly, May be taken 2 times for credit
Counseling groups, led by professional counselors, which emphasize the understanding of self and others through group discussion and interaction. The identification of values and personal alternatives in interpersonal situations are stressed so that better decision-making is facilitated. Offered on a credit/no credit basis only.
PERDEV 051 PEER ADVISEMENT
Units: 3.00
3.00 hours lecture weekly, May be taken 2 times for credit
Prepares students in assisting other students with the necessary knowledge and skills to interact effectively with selected populations. The course provides an overview of principles, skills and methods used in peer advisement. In addition, students will be exposed to a variety of student services, on campus, and the procedures used by these student services. Peer Advisors will participate in locally scheduled field work activities on and off campus.

PERDEV 060 LIFE SKILLS AND PERSONAL GROWTH
Units: 1.00-4.00
1.00-4.00 hours lecture weekly
Emphasizes personal, educational, and career development skills for single parents/displaced homemakers. Taught in four modules and may be taken for 1-4 units. Included are study skills, parenting skills, career development, and aspects of self-esteem.

PERDEV 080 TRANSFER SUCCESS
Units: 1.00
1.00 hours lecture weekly
Designed to provide students with information and resources to facilitate a smooth transfer 4-year colleges and universities. Topics include UC/CSU applications, major and general education requirements, financial aid/scholarships, personalized student education plans, and factors involved in choosing the right college. The course will increase the student's ability to understand the benefits of the transfer process.

PERDEV 090 COLLEGE ORIENTATION
Units: 0.50
0.50 hours lecture weekly
Part of the Steps to Success program designed for new students to orient them to the college environment and educational opportunities. Provides students with pre-enrollment and enrollment services designed to improve opportunities for success in pursuing educational and occupational goals. The Steps to Success program consists of an assessment of skill levels in English, reading and math, and interpretation of results; an orientation to college services, programs, policies and procedures; assistance with identifying educational and career goals; and pre-enrollment counseling/advising to assist in course selection and registration. Offered credit/ no-credit only and not degree applicable.

PERDEV 098 TOPICS IN PERSONAL DEVELOPMENT
Units: 0.50-1.00
0.50-1.00 hours lecture weekly
Presentation, discussion and study of personal development issues. Topics may include body image awareness, stress management, assertive training and conflict resolution, and other relevant topics. Units will vary depending upon the topic and the number of meetings scheduled. Intended for students wishing to deal with issues relating to their own personal development.

PERDEV 100 LEADERSHIP DEVELOPMENT
Units: 3.00 - CSU
3.00 hours lecture weekly, May be taken 4 times for credit
Focuses on developing, within each student, leadership skills, knowledge and techniques that will have a carry-over value to campus clubs, organizations, student government and/or any formal or informal group that entails a leadership position.

PERDEV 101 LEADERSHIP PRACTICUM
Units: 2.00 - CSU
6.00 hours lab weekly, May be taken 4 times for credit
Provides opportunities for practical application of leadership skills, techniques and strategies for students involved with on-campus organizations such as Associated Student Government or clubs and organizations.

PERDEV 111 PLANNING FOR COLLEGE SUCCESS
Units: 1.00 - CSU
1.00 hours lecture weekly
Focuses on the various components necessary for college planning and academic success. Readiness for college will be explored with special attention given to student responsibilities, personal values, motivation, and goal setting. Topics include: the responsible student, career interest, choosing a major, goal setting, learning styles, time management, college services and resources and educational planning. Additional topics
covered for student athletes include academic strategies for student athletes based on NCAA regulations for participation at all levels of competition.

**PERDEV 150 EOPS STUDENT READINESS & SUCCESS**
Units: 3.00 - CSU
3.00 hours lecture weekly
Designed for new students as a complete orientation to provide a comprehensive overview to the responsibilities and benefits of higher education. Education planning, goal setting, and career choices are examined. Study and life skills are provided to ensure a successful academic experience. This course is open to all interested students and required of EOPS students. Offered on a credit/no credit basis only.

**PHILOSOPHY**

**PHILOS 101 INTRODUCTION TO PHILOSOPHY**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
CAN: PHIL 2
Topical introduction to philosophy, including western and non-western philosophy. This course will survey major philosophical figures and philosophical issues including: theory of knowledge, nature of reality, the mind/body problem, and ethical theory.

**PHILOS 102 INTRODUCTION TO EASTERN RELIGION AND PHILOSOPHY**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An introductory examination designed to give a basic understanding of the philosophies contained in Hinduism, Buddhism, Confucianism, Taoism and Zen.

**PHILOS 110 HISTORY OF EARLY PHILOSOPHY**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A survey of ancient and medieval European philosophical thought from the pre-Socratics to the great Athenian philosophers - Socrates, Plato, and Aristotle - through medieval philosophy including the philosophical works of Anselm, Augustine, Abelard, Aquinas, and Plotinus.

**PHILOS 111 HISTORY OF PHILOSOPHY: RENAISSANCE THROUGH THE 19TH CENTURY**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A historical survey of developing Western philosophical thought from the Renaissance through the 19th century including philosophical systems of empiricism, rationalism, skepticism, idealism, etc.

**PHILOS 112 HISTORY OF PHILOSOPHY - 20TH CENTURY PHILOSOPHY**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A survey of philosophical activity relating to the notions of human nature, the place of individuals in history, and the determination of value and choice, in the 20th century including European existentialism, analytical philosophy, and recent thinkers and movements.

**PHILOS 205 INTRODUCTION TO LOGIC**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
CAN: PHIL 6
Introduces students to the understanding and application of critical reasoning skills for the analysis of arguments from everyday life and college-level courses. Students will learn and strengthen skills for evaluating and understanding arguments including using deductive and inductive logic, identifying common fallacies and evaluating beliefs, claims, and forms of evidence.

**PHILOS 210 INTRODUCTION TO ETHICS**
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
CAN: PHIL 4
A survey of some of the major classical and contemporary ethical theories with emphasis on their application to typical life situations in a modern society.
PHILOSOPHY • PHOTOGRAPHY

PHILOS 220 INTRODUCTION TO COMPARATIVE RELIGION
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A philosophical overview and study of major world religions, eastern and western. Includes historical roots, major doctrines and figures, and central concerns.

PHILOS 230 SYMBOLIC LOGIC
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An introduction to the symbolism and methods of modern logic, including translation of arguments in English into formal logic, development of the idea of logical validity, evaluation of arguments by using truth tables and methods of natural deduction.

PHILOS 240 CONTEMPORARY MORAL PROBLEMS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An introduction to ethical theory by means of the philosophical and applied analysis of contemporary moral issues in areas such as medicine, business, health care, technology, and the environment.

PHOTOGRAPHY

PHOTO 090L OPEN PHOTO LAB
Units: 1.00-2.00
3.00-6.00 hours lab weekly, May be taken 4 times for credit
Prerequisite: Enrollment in another COC Photo course.
An open lab for the currently enrolled photography student who wishes to increase skills through the use of the photography lab facility. Offered on a credit/no-credit only and does not apply to the associate degree.

PHOTO 091L ADVANCED OPEN PHOTOGRAPHY LAB
Units: 1.00
3.00 hours lab weekly, May be taken 4 times for credit
An open lab for the currently enrolled advanced photography student who wishes to increase skills through the use of the photography lab facility. Offered credit/no-credit only and does not apply to the associate degree.

PHOTO 140 HISTORY OF PHOTOGRAPHY
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
History and appreciation of photography from 19th century to present: relationship with history, culture, technology, art, social values, and other concerns.

PHOTO 150 INTRODUCTION TO CAMERAS & COMPOSITION
Units: 3.00 - CSU
3.00 hours lecture weekly
Designed to provide information in the use of cameras, lenses, film and exposure to produce photographs. Students also review photographic works that have been a major influence and reflect broader artistic and societal issues. No laboratory. Students must furnish a fully manual/adjustable 35mm camera.

PHOTO 160 BLACK AND WHITE PHOTOGRAPHY
Units: 3.00 - UC:CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
A beginning course in 35mm black and white photography. Acquaints students with the history, mechanics, optics, chemistry, aesthetics, and lighting principles of elementary photography. Students must furnish a fully manual/adjustable 35mm SLR camera.

PHOTO 165 DIGITAL PHOTOGRAPHY I
Units: 3.00 - UC:CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Covers basic to intermediate level digital photographic manipulation. Topics include demonstration of Adobe Photoshop software, scanning, image compositing, color correction, and use of digital cameras. (Formerly MULTI 165). Same as DAT 105.
PHOTOGRAPHY

PHOTO 171 HANDMADE BOOK AND PHOTOGRAPHIC REPRODUCTION PROCESS
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Explores methods of traditional and non-traditional forms of bookbinding such as signature and hard case binding. Various processes of reproducing text and image will be demonstrated.

PHOTO 175 INTERMEDIATE PHOTOGRAPHY
Units: 3.00 - UC:CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Prerequisite: PHOTO 160.
Continuation of beginning black and white photography. Offers further training in technical, aesthetic and historical issues that surround photography. Students must furnish a fully manual/adjustable 35mm camera.

PHOTO 180 DOCUMENTARY AND LANDSCAPE PHOTOGRAPHY
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Prerequisite: PHOTO 160
Explores documentary and landscape genre photography for its aesthetic, social and political impact. The class consists of fieldwork with field trips to off-campus locations. Students must furnish a fully manual/adjustable 35mm camera.

PHOTO 185 ALTERNATIVE PROCESSES IN PHOTOGRAPHY
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Prerequisite: PHOTO 160
An intermediate level photography course designed to teach alternative processes in photography. The course will cover the arts of Cyanotype and Van Dyke printing, as well as Sepia toning, hand coloring, image transfer and some digital manipulation of photographic images.

PHOTO 190 STUDIO PHOTOGRAPHY
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Prerequisite: PHOTO 160.
The exploration of the photographic studio through lectures and practical demonstrations. Students learn to operate medium format cameras and studio light equipment. A critical look at the history of studio photography is also covered.

PHOTO 195 COLOR PHOTOGRAPHY
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Prerequisite: PHOTO 160.
Studies in the theory of light and color in photography and its relationship to exposure and color printing type R. Color printing techniques and basic quality control are studied and practiced. Offers further training in technical, aesthetic and historical issues that surround photography. Students must furnish a fully manual/adjustable 35mm camera.

PHOTO 198 SPECIAL TOPICS IN PHOTOGRAPHY
Units: 0.50-3.00 - CSU
0.50-3.00 hours lecture weekly, May be taken 4 times for credit
An exploration of various techniques and subjects related to photography and photographic processes. Topics to be announced per semester. Please see the current schedule of classes for specific course description and recommended preparation.

PHOTO 200 PORTRAITURE
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 2 times for credit
Prerequisite: PHOTO 160
A course for intermediate and advanced students to explore individual photographic projects and techniques. Under the guidance of the instructor, each student will
devise a written set of goals that will define the photographic project to be completed. The student will be evaluated based on the completion of their individual goals. Access to the photography facilities includes black and white, color, digital and the studio. (Formerly PHOTO 198A).

PHOTO 205 ADVANCED DIGITAL PHOTOGRAPHY
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
An advanced course covering expert skills in digital imaging software and hardware. Topics will include sophisticated image compositing and color correction, as well as utilizing the software for complex web imagery, optimization and animation. (Same as DAT 271).

PHOTO 260 PHOTOJOURNALISM
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Prerequisite: PHOTO 160
Emphasizes composition of news and feature pictures for use in mass communications media and stresses the use of the photograph as an art form in telling the story. Includes picture editing, cropping, caption writing and layout. For students planning careers in journalism, public relations, advertising, and commercial and industrial photography. Students must furnish a fully manual/adjustable 35mm camera.

PHOTO 285 ADVANCED PHOTOGRAPHY
Units: 3.00 - UC:CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 2 times for credit
Prerequisite: PHOTO 160
Advanced theory and practice in the contemporary use of the camera. Expands technical skills and develops artistic expression, including special effects procedures with an emphasis on creative thinking and idea execution. Students must have a 35mm camera. (Formerly PHOTO 170).

PHOTO 295 PROFESSIONAL PRACTICES AND PORTFOLIO
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly
Prerequisite: PHOTO 160
Students prepare and present a photographic portfolio in a professional manner. Emphasis is on appropriate selection of work, concept improvement and methods of presentation. Provides essential skills necessary for a photography career. Topics include entrepreneurial and communication skills needed in industry, project planning, and team work.

PHYSICAL EDUCATION-KINESIOLOGY

PHYSED 071 ATHLETIC CONDITIONING FOR INDIVIDUAL AND TEAM SPORTS
Units: 1.00
3.00 hours lab weekly, May be taken 4 times for credit
Specific physical fitness related to athletic conditioning. An understanding of and participation in physical activities that contribute to enhanced athletic performance. Emphasis is placed on individual and group activities. Sport-specific skills & conditioning will be emphasized. Units do not apply to the associate degree. Offered on a credit/no credit basis only.

PHYSED 100 HEALTH EDUCATION
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A survey of the physical, emotional and social dimensions of health. Topics of study include physical fitness, nutrition, weight management, substance abuse, tobacco and alcohol use, diseases, sexuality, mental health, stress management, consumerism, environmental health, dying and death. This course does not satisfy the physical activity requirement for the associate degree.
PHYSED 101 INTRODUCTION TO KINESIOLOGY AND PHYSICAL EDUCATION
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An introduction to the field of kinesiology and physical education as a profession and an academic discipline covering the purposes, philosophical and historical, biological, biomechanical, sociological, and psychological foundations of physical education. Focuses on educational preparation, the job market, and alternative careers in physical education. Does not satisfy the physical education requirement for the associate degree.

PHYSED 102 PRINCIPLES OF PHYSICAL FITNESS AND CONDITIONING
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Fitness and conditioning concepts and their relationship to the human body. Focus is on physiological principles and the conditioning process. This course does not satisfy the physical education activity requirement for the associate degree.

PHYSED 104 FOOTBALL THEORY
Units: 3.00 - UC:CSU
3.00 hours lecture weekly, May be taken 4 times for credit
Analysis of advanced football fundamentals, theory and philosophy of offensive and defensive strategy. Principles of the kicking game of football, coaching organization and implementation. Does not satisfy the Physical Education activity requirement for the associate degree.

PHYSED 105 PERSONAL TRAINER CERTIFICATION PREPARATION
Units: 2.00 - CSU
2.00 hours lecture weekly
Preparation for taking the CPT, Certified Personal Trainer, exam through the National Strength and Conditioning Association, NSCA. This course covers methods of client assessment, measurement, and evaluation. Highlights include resistance training program design, nutrition, body composition, and cardio-respiratory fitness. Does not satisfy the Physical Education requirement for the associate degree.

PHYSED 109 EMERGENCY PROCEDURES
Units: 2.00 - CSU
2.00 hours lecture weekly, 1.00 hours lab weekly
Introduces procedures to maintain health in emergency situations. Successful course completion qualifies a student for the American Red Cross Community First Aid and Safety, CPR for the Professional Rescuer and Automated External Defibrillation cards. Does not satisfy the Physical Education requirement for the associate degree.

PHYSED 110 PREVENTION AND CARE OF ATHLETIC INJURIES
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An introductory course in athletic training. The role of the athletic trainer shall be explored in relation to the physician, coach and athlete. Emphasis will be placed on prevention, recognition, treatment of the most common sports injuries. Does not satisfy the Physical Education requirement for the associate degree.

PHYSED 110L PREVENTION AND CARE OF ATHLETIC INJURIES LAB
Units: 1.00 - UC:CSU
3.00 hours lab weekly
This lab component for PHYSED 110 covers the principles and techniques for application of protective taping, padding, wrapping, and bracing with an emphasis on the prevention of sport and exercise injuries.

PHYSED 112 ATHLETIC TRAINING CLINICAL EXPERIENCE
Units: 1.00-3.00 - CSU
3.00 hours lab weekly, May be taken 4 times for credit
Prerequisite: PHYSED 110 or concurrent enrollment and approval of the instructor.
Designed to provide clinical experience for students interested in sports-related injury care and prevention. Experiences will include prevention, recognition, treatment, and rehabilitation of sports injuries.

PHYSED 113 ATHLETIC TRAINING, FALL SPORTS
Units: 2.00 - CSU
6.00 hours lab weekly
Prerequisite: PHYSED 112
Provides exposure to immediate recognition and treat-
ment of sports injuries unique to fall sports with an emphasis on rehabilitation and taping technique to enable athletes to return to competition. Does not meet the Physical Education activity requirement for the Associate Degree.

**PHYSED 114 ATHLETIC TRAINING, SPRING SPORTS**
Units: 2.00 - CSU
6.00 hours lab weekly
Prerequisite: PHYSED 112
Exposure to immediate recognition and treatment of sports injuries unique to spring sports with an emphasis on rehabilitation and taping technique to enable athletes to return to competition.

**PHYSED 115 ADVANCED ATHLETIC TRAINING, FALL SPORTS**
Units: 2.00 - CSU
6.00 hours lab weekly
Prerequisite: PHYSED 113
Provides additional exposure to immediate recognition and treatment of sports injuries unique to fall sports with an emphasis on rehabilitation and taping techniques to enable athletes to return to competition.

**PHYSED 116 ADVANCED ATHLETIC TRAINING, SPRING SPORTS**
Units: 2.00 - CSU
6.00 hours lab weekly
Prerequisite: PHYSED 114
Provides exposure to immediate recognition and treatment of sports injuries unique to spring sports with an emphasis on rehabilitation and taping techniques to enable athletes to return to competition.

**PHYSED 117 SWIMMING ACTIVITIES**
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
A class designed to introduce the students to swimming activities and water games. These will include water polo, water basketball, relays and an introduction to the skill of skin diving.

**PHYSED 118 RED CROSS LIFEGUARD TRAINING**
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
Prerequisite: Students must be at least 15 years of age
and be able to perform the following skills: swim 500 yards continuously using each of the following strokes at least 100 yards (craw stroke, breaststroke, sidestroke), submerge to a minimum depth of 7 ft., retrieve a 10 lb. object and return to the surface; tread water for two minutes using the legs only. Meets industry driven standard.

The primary purpose of the Red Cross Lifeguard Training program is to provide lifeguard candidates and lifeguards with the skills and knowledge necessary to keep patrons of an aquatic facility safe in and around the water. Upon successful completion of the course, students receive Red Cross certification in Lifeguard Training, Waterfront Lifeguarding, and CPR for the Professional Rescuer.

**PHYSED 119 WATER SAFETY INSTRUCTOR**
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
The student will become qualified to teach Red Cross swimming classes including seven (7) levels of the Learn to Swim program; Infant/preschool Aquatic; Basic Rescue and Emergency Water Safety.

**PHYSED 120 AQUA AEROBICS**
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
Aquatic aerobic exercises for swimmers and non-swimmers designed to improve cardiovascular endurance, strength, and flexibility through free dynamic movement in the water. The water provides resistance and buoyancy that promotes a workout virtually free of orthopedic stress.

**PHYSED 121 DEEP-WATER RUNNING AND CONDITIONING**
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
An exercise program incorporating various practices while running in deep water. This class is well suited for those unable to run because of chronic injuries to the lower extremities or in rehabilitation from injury.

**PHYSED 122 ULTIMATE FRISBEE**
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
Instruction in present throwing, catching, and passing skills of ultimate frisbee and their application to team play. Covers offensive and defensive patterns and team strategies.
**PHYSED 125 CARDIO CROSS-TRAINING**  
Units: 1.00 - UC:CSU  
3.00 hours lab weekly, May be taken 4 times for credit  
A group exercise class focusing on improvement of cardiovascular and muscular fitness. Various training methods such as step aerobics, kick boxing, polymetrics, muscle sculpting, and core training are included. Proper form, exercise technique, and safety are addressed for all training modes. Basic anatomy and physiology of human conditioning will also be discussed.

**PHYSED 126 RUNNING FOR FITNESS**  
Units: 1.00 - UC:CSU  
3.00 hours lab weekly, May be taken 4 times for credit  
Cardiovascular fitness training utilizing running and jogging. Principles and theories of aerobic, cardiovascular training. Individual exercise programs will be created to attain desired levels of cardiovascular efficiency and fitness goals. Strength, flexibility, and jogging/running programs will be emphasized.

**PHYSED 127 BOWLING**  
Units: 1.00 - UC:CSU  
3.00 hours lab weekly, May be taken 4 times for credit  
Introduction to the fundamentals of indoor bowling. Includes techniques of bowling, scoring, rules, and etiquette along with social and recreational benefits. Practice and class competition are provided to enhance skill development and strategy.

**PHYSED 128 SPIN CYCLING FITNESS**  
Units: 1.00 - UC:CSU  
3.00 hours lab weekly, May be taken 4 times for credit  
Group cardiovascular conditioning utilizing stationary cycles. Emphasis is placed on proper cycling technique and safety while students are guided through a training ride encountering various cycling modes (hills, sprints etc.). Participants will utilize basic principles of exercise physiology, nutrition, and wellness to improve fitness levels and cycling ability.

**PHYSED 129 BEGINNING GOLF**  
Units: 1.00 - UC:CSU  
3.00 hours lab weekly, May be taken 4 times for credit  
Golf instruction for the individual who has little or no background in the fundamentals of golf. The student will learn the basic skills necessary to enable the student to begin playing the game.

**PHYSED 130 BEGINNING TENNIS**  
Units: 1.00 - UC:CSU  
3.00 hours lab weekly, May be taken 4 times for credit  
Designed to teach the fundamentals of tennis, including the grip, ground strokes, and the serve for the beginner.

**PHYSED 131 BEGINNING BEACH VOLLEYBALL**  
Units: 1.00 - UC:CSU  
3.00 hours lab weekly, May be taken 4 times for credit  
Provides the student with a basic knowledge and the fundamental skills of beach volleyball, very different in format, skills, and strategy from the indoor game. Includes serving, passing, setting, hitting, digging and blocking with variations in technique unique to this sport. Students will be required to learn the Federation of International Volleyball and the California Beach Volleyball Association rules.

**PHYSED 133 BEGINNING SOCCER**  
Units: 1.00 - UC:CSU  
3.00 hours lab weekly, May be taken 4 times for credit  
Instruction and practice in the techniques of the sport of soccer. Class is designed to develop the knowledge and skills for the beginning level player. Emphasis will be placed on basic skills, laws of the game, and proper attitude toward participation.

**PHYSED 134 SOFTBALL**  
Units: 1.00 - UC:CSU  
3.00 hours lab weekly, May be taken 4 times for credit  
A beginner’s level course in the avocational and recreational game of softball.

**PHYSED 138 BEGINNING VOLLEYBALL**  
Units: 1.00 - UC:CSU  
3.00 hours lab weekly, May be taken 4 times for credit  
The methods, techniques, and strategy associated with an introductory course in volleyball.

**PHYSED 145 STEP AEROBICS**  
Units: 1.00 - UC:CSU  
3.00 hours lab weekly, May be taken 4 times for credit  
Group cardiovascular conditioning utilizing a step platform. Emphasis is placed on proper technique and safety while students exercise to music. Participants will utilize basic principles of exercise physiology, nutrition, and wellness to improve their level of fitness.
PHYSED 146 BODY MECHANICS
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
Introduction in physical conditioning, physiology of exercise, nutrition, and weight control. This course is open to anyone who has a desire for physical fitness. Some weight training will be included.

PHYSED 149 BASKETBALL
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
A beginning level course teaching the basic fundamentals of basketball. Content primarily deals with basic skills needed to play the sport. Designed for all levels of basketball ability with an emphasis on large muscle activity.

PHYSED 150 PHYSICAL FITNESS LAB
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
A laboratory physical fitness course designed to develop and encourage positive attitudes and habits in a personalized exercise program. The program is designed to work the five health related components of fitness. The primary training activity is aerobic weight training utilizing a sequence of specific weight lifting machines and stationary bicycles organized into aerobic activity stations.

PHYSED 151 WEIGHT TRAINING
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
Instruction and practice at the beginning level in resistance training with an emphasis on techniques of lifting. Individual program adaption is stressed. Principles of different weight training techniques and program design along with basic nutrition and wellness education will be covered.

PHYSED 152A CONDITIONING FOR INTERCOLLEGIATE SPORTS
Units: 1.00-2.00 - UC:CSU
3.00-6.00 hours lab weekly, May be taken 4 times for credit
Specific physical fitness related to in-season intercollegiate athletic participation. An understanding of and participation in advanced exercise programs contributing to the advancement of athletic performance. Emphasis is placed on individual and group activities that contribute to specific sport advancement.

PHYSED 152B OFF-SEASON CONDITIONING FOR INTERCOLLEGIATE SPORTS
Units: 1.00-2.00 - UC:CSU
3.00-6.00 hours lab weekly, May be taken 4 times for credit
Specific physical fitness related to off-season intercollegiate athletic participation. An understanding of and participation in advanced exercise programs contributing to the advancement of athletic performance. Emphasis is placed on individual and group activities that contribute to specific sport advancement.

PHYSED 160 INTERMEDIATE BASEBALL
Units: 2.00 - UC:CSU
6.00 hours lab weekly, May be taken 4 times for credit
Designed to accommodate a large number of students interested in building a proficiency in baseball skills and knowledge. Fundamentals of individual and team play will be stressed.

PHYSED 161 FOOTBALL TECHNIQUES & WEIGHT TRAINING
Units: 2.00 - UC:CSU
6.00 hours lab weekly, May be taken 4 times for credit
Instruction and practice in weight training and football with an emphasis on weight training and its relationship to football. Individual programs are stressed.

PHYSED 162 INTERMEDIATE FOOTBALL
Units: 2.00 - UC:CSU
6.00 hours lab weekly, May be taken 4 times for credit
Advanced football fundamentals as they relate to intercollegiate football. An understanding of and participation in advanced football techniques and schemes. Intended for individuals interested in competing on the intercollegiate football team.

PHYSED 163 INTERMEDIATE TRACK AND FIELD
Units: 1.00 - CSU
3.00 hours lab weekly, May be taken 4 times for credit
Introduction to intermediate techniques and strategies of all track and field events. Prepares the student for a competitive season emphasizing skills needed for proficiency. Topics covered include methods of training, conditioning, proper technique, and competitive tactics of track and field.
PHYSED 165 INTERMEDIATE SOCCER
Units: 2.00 - UC:CSU
6.00 hours lab weekly, May be taken 4 times for credit
Instruction and practice in the techniques of soccer
designed to develop skills for the intermediate level
player, knowledge of the rules, background, analysis of
technique and desirable attitude toward participation.

PHYSED 166 INTERMEDIATE GOLF
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
A review of the fundamentals of golf skills and the
developing of techniques for playing trouble shots.

PHYSED 167 INTERMEDIATE SWIMMING
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
Designed to encompass a large range of swimming skills.
The student should have had some previous swimming
experience. The course, when completed, will provide the
student with Red Cross Intermediate Swimming Card.

PHYSED 168 INTERMEDIATE TENNIS
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
Designed to enable students to become proficient in the
intermediate skills of tennis. Progressive instruction
includes the volley, overhead, singles and doubles strat-
egy. Instruction also covers tennis scoring, court posi-
tion, rules and strategy.

PHYSED 169 INTERMEDIATE VOLLEYBALL
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 2 times for credit
Basic skills are taught with an emphasis on play, strate-
gy and rules.

PHYSED 170 INTERMEDIATE SOFTBALL
Units: 2.00 - UC:CSU
6.00 hours lab weekly, May be taken 4 times for credit
Prepares the student in softball fundamentals such as
hitting, fielding, throwing and catching. Included are
weight training and conditioning. A lead-up class for
intercollegiate softball.

PHYSED 171 INTERMEDIATE BEACH VOLLEYBALL
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
Provides the student with an opportunity for further
development of skills and strategies. Emphasis is
placed on a review of the fundamentals adding basic
offensive and defensive strategies. Also adds advanced
skills such as tipping/dinking, roll, shot, drop shot, jump
serve, reading the opposing hitter, and one-hand set.
Later emphasis is on strategy and tournament play
along with officiating matches to ensure a thorough
knowledge of the rules and their interpretation.
Incorporates four-person and doubles play into its com-
petitive formats. Students will be required to use the
Federation of International Volleyball and the California
Beach Volleyball Association rules.

PHYSED 169 INTERMEDIATE VOLLEYBALL
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
Assists the student in gaining an understanding of the
mechanics involved in developing the distance and
direction of the golf swing.

PHYSED 178 ADVANCED SWIMMING
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
Provides the individual with the additional strokes and
miscellaneous water skills that will produce an all-
around swimmer. For the accomplished swimmer who
plans to qualify for an advanced swimmer’s card.

PHYSED 177 ADVANCED GOLF
Units: 1.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
Assists the student in gaining an understanding of the
mechanics involved in developing the distance and
direction of the golf swing.

PHYSED 181 SONG AND YELL LEADERS
Units: 2.00 - UC:CSU
6.00 hours lab weekly, May be taken 4 times for credit
Physical activity class designed for spirit squad mem-
bers, as well as others, interested in cheer, dance, gym-
nastics, and stunting. Extensive choreography in all
areas of dance; hip-hop, jazz, and pom. Cheers will consist of straight arm movements as well as stunting and proper spotting techniques.

**PHYSED 194 OFFICIATING FALL SPORTS**

Units: 2.00 - UC:CSU
2.00 hours lecture weekly, May be taken 4 times for credit
Introduction to the rules, methods, and techniques of officiating the fall sports of football and basketball. The student will receive a complete overview of officiating opportunities at the youth level in fall sports, the role of responsibilities of the official, and develop a working knowledge of the principles of officiating fall sports. Does not meet the Physical Education requirement for the associate degree.

**PHYSED 250 INTERCOLLEGIATE FOOTBALL - MEN'S**

Units: 2.00 - UC:CSU
10.00 hours lab weekly, May be taken 4 times for credit
Intercollegiate competition in the sport of football. Students must meet the California Community College eligibility requirements as established by the California Commission on Athletics.

**PHYSED 251 INTERCOLLEGIATE CROSS-COUNTRY - MEN'S AND WOMEN'S**

Units: 2.00 - UC:CSU
10.00 hours lab weekly, May be taken 4 times for credit
Intercollegiate competition and preparation in cross-country at the community college level. Emphasis is placed on training methods, conditioning, proper techniques, and competition tactics of cross-country racing.

**PHYSED 252A INTERCOLLEGIATE BASKETBALL I - MEN'S AND WOMEN'S**

Units: 2.00 - UC:CSU
10.00 hours lab weekly, May be taken 4 times for credit
Intercollegiate competition in men's and women's basketball. Student must meet California Community College eligibility requirements as established by the California Commission on Athletics. Includes a pre-season game schedule with both home and road competition.

**PHYSED 252B INTERCOLLEGIATE BASKETBALL II - MEN'S AND WOMEN'S**

Units: 2.00 - UC:CSU
10.00 hours lecture weekly, May be taken 4 times for credit
Intercollegiate basketball competition for men and women. Student must meet California Community College eligibility requirements as established by the Commission on Athletics. Includes home and road games in the Western State Conference and post-season competition.

**PHYSED 253 INTERCOLLEGIATE SOCCER - WOMEN'S**

Units: 2.00 - UC:CSU
10.00 hours lab weekly, May be taken 4 times for credit
Intercollegiate competition in the sport of soccer. Student must meet California Community College eligibility requirements as established by the California Commission on Athletics.

**PHYSED 254 INTERCOLLEGIATE TRACK & FIELD - MEN'S AND WOMEN'S**

Units: 2.00 - UC:CSU
10.00 hours lab weekly, May be taken 4 times for credit
Intercollegiate competition and preparation in track and field at the community college level. Emphasis is placed on training methods, conditioning, proper techniques, and competition tactics of track and field events.

**PHYSED 255 INTERCOLLEGIATE BASEBALL - MEN'S**

Units: 2.00 - UC:CSU
10.00 hours lab weekly, May be taken 4 times for credit
Intercollegiate competition in the sport of baseball. Students must meet California Community College eligibility requirements as established by the California Commission on Athletics.

**PHYSED 256 INTERCOLLEGATE GOLF - MEN'S AND WOMEN'S**

Units: 2.00 - UC:CSU
10.00 hours lab weekly, May be taken 4 times for credit
Study and execution of the theory and technique necessary to enable an individual to compete in golf at the community college level.
PHYSICAL SCIENCE • PHYSICS

PHYSED 257 INTERCOLLEGIATE VOLLEYBALL - WOMEN'S
Units: 2.00 - UC:CSU
10.00 hours lab weekly, May be taken 4 times for credit
Designed to provide an opportunity for students with advanced skills to participate in intercollegiate competition. Must meet SCCIAC eligibility requirements.

PHYSED 258 INTERCOLLEGIATE SOFTBALL - WOMEN'S
Units: 2.00 - UC:CSU
10.00 hours lab weekly, May be taken 4 times for credit
Intercollegiate competition in the sport of softball for women. Student must meet California Community College eligibility requirements as established by the CCJCA Commission on Athletics and the Western State Conference.

PHYSED 259 INTERCOLLEGIATE SWIMMING - MEN’S/WOMEN’S
Units: 2.00 - UC:CSU
10.00 hours lab weekly, May be taken 4 times for credit
Intercollegiate competition in swimming.

PHYSED 260 INTERCOLLEGIATE WATER POLO - WOMEN'S
Units: 2.00 - UC:CSU
10.00 hours lab weekly, May be taken 4 times for credit
Intercollegiate competition in the sport of water polo. Student must meet California Community College eligibility requirements as established by the California Commission on Athletics.

PHYSICS

PHYSIC 101 INTRODUCTION TO PHYSICS
Units: 4.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
An introductory survey course in classical and modern physics: motion, gravity, heat, light, sound, electricity, magnetism, atomic and nuclear physics, relativity, and quantum mechanics.

PHYSIC 110 GENERAL PHYSICS I
Units: 4.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
CAN: PHYS 2
Prerequisite: MATH 102 or equivalent.
An introduction to the mechanics of solids and fluids, heat and wave motion. Course is designed for students majoring in the life sciences or any other major requiring a non-calculus-based physics course.

PHYSIC 111 GENERAL PHYSICS II
Units: 4.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
CAN: PHYS 4
Prerequisite: Completion of MATH 102 and PHYSIC-110 or 220 or equivalent.
An introduction to electricity and magnetism, optics, and modern physics. Designed for students majoring in the life sciences or any other major requiring a non-calculus-based physics course.

PHYSIC 220 PHYSICS FOR SCIENTISTS & ENGINEERS: MECHANICS OF SOLIDS AND FLUIDS
Units: 4.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
CAN: PHYS 8
Prerequisite: Completion of MATH 211.
Dynamics and statics of particles and rigid bodies, harmonic vibrations, and fluid mechanics. Physics 220 uses calculus and is designed for students majoring in courses of study such as: chemistry, engineering, and physics.

PHYSIC 201 PHYSICAL SCIENCE
Units: 4.00 - CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
A survey of the basic physical phenomena of mechanics, heat, light, sound, electricity, chemistry, geology, meteorology, and astronomy. Emphasizes basic principles, relationships, status and applications to modern civilization. Topics are developed within a minimum of mathematical presentation. Designed for all non-science, industrial technology and education majors.
PHYSIC 221 PHYSICS FOR SCIENTISTS & ENGINEERS: ELECTRICITY & MAGNETISM
Units: 4.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
CAN: PHYS 12
Prerequisite: Completion of PHYSIC 220 with a grade of C or better and credit or concurrent enrollment in MATH 212.
Electric and magnetic fields, circuit theory and electromagnetic induction. Physics 221 uses calculus and is designed for students majoring in courses of study such as: chemistry, engineering, and physics.

PHYSIC 222 PHYSICS FOR SCIENTISTS & ENGINEERS: WAVE MOTION, HEAT, OPTICS, AND MODERN PHYSICS
Units: 4.00 - UC:CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
CAN: PHYS 14
Prerequisite: PHYSIC 221 and MATH 213.
Heat, introduction to thermodynamics and kinetic theory, wave motion and sound, geometric and physical optics, and an introduction to modern physics. For students majoring in courses of study such as: Chemistry, Engineering and Physics.

POLISC 100 INTRODUCTION TO POLITICAL SCIENCE
Units: 3.00 - CSU
3.00 hours lecture weekly
Survey of the nature and scope of political science, including basic concepts, terms, contending theories, institutions and subfields in the discipline. Description of the methodology and research techniques employed by political scientists. This course does not meet the Title V American Institutions requirement in U.S. Constitution, California state and local government.

POLISC 150 INTRODUCTION TO AMERICAN GOVERNMENT & POLITICS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An examination of the institutions, activities, and issues of American and California governments. This course satisfies the Title V, U.S. Constitution requirement and the California State and Local Government requirement.

POLISC 198 SPECIAL TOPICS IN POLITICAL SCIENCE: INTERNATIONAL RELATIONS
Units: 3.00 - CSU
3.00 hours lecture weekly
Provides students with a basic overview of the interplay between international organizations (e.g. multilateral intergovernmental organizations, corporations, non-profits, NGO’s, multilateral security and/or trade organizations) and sovereign nation-states. With a focus on different topics and different regions/states each semester, students will explore not only the narrow position and relative strength of an assigned state, but the overall global ramifications for multiple potential outcomes on the given issue. This class will engage students in independent research, active learning, simulated diplomacy, bargaining and negotiations in a multilateral international context.

POLISC 250 COMPARATIVE GOVERNMENT & POLITICS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A study of the governments of other countries as compared to the United States with a particular emphasis on the parliamentary form as represented by Great Britain.

POLISC 270 INTERNATIONAL RELATIONS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An analysis of the basic historical, geographical, economic, ideological, and strategic factors which underlie conflict and cooperation among nations.
PSYCHOLOGY

PSYCH 101 INTRODUCTION TO PSYCHOLOGY
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
CAN: PSY 2
Prerequisite: PSYCH 101
Scientific study of behavior through an exploration of major concepts, methods, and research findings. Topics include biological, physiological, and cognitive processes; learning and motivation; life span development; individual differences; behavioral disorders and therapies; social behavior; and applied psychology.

PSYCH 102 PHYSIOLOGICAL PSYCHOLOGY
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A detailed consideration of the functional and anatomical aspects of the nervous system in order to interpret behavior in terms of physiological processes. Topics include the cellular and organizational structure of the nervous system, the effects of psychoactive substances on the nervous system, the means by which sensory systems detect and process environmental events, and the biological basis of a variety of complex behaviors and mental processes.

PSYCH 103 INTRODUCTION TO BEHAVIORAL RESEARCH METHODS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Classic studies in psychology are highlighted as students learn the basic principles and concepts of research through a survey of methods currently used in psychology including: naturalistic observation, case study, questionnaire, correlation research and laboratory experiments. Students have the opportunity to examine research designs and the process of data analysis to gain added insight into the scientific method. Requires research study and manuscript writing using APA guidelines and format.

PSYCH 105 PERSONAL GROWTH AND ADJUSTMENT
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Discusses personality, emphasizing the application of theoretical psychology to the issues of personal growth. Students will examine a diverse variety of concepts of the psyche, including several crosscultural perspectives on human nature.

PSYCH 109 SOCIAL PSYCHOLOGY
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
An introduction to the psychological theories, psychological research and applications in major areas of social psychology, including communication and social interaction, group dynamics, attitudes, stereotyping and prejudice, altruism and aggression, person perception and social cognition, roles, and cultural differences as seen by the discipline of psychology.

PSYCH 150 CRISIS INTERVENTION & MANAGEMENT
Units: 3.00 - CSU
3.00 hours lecture weekly
An introduction to the strategies used to assist people in crisis will be provided in a variety of areas. Students learn to identify the crisis state and the stages of crisis; understand and perform the steps and strategies of crisis intervention; and become familiar with the skills necessary to intervene with persons in crisis.

PSYCH 172 DEVELOPMENTAL PSYCHOLOGY
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Surveys human development, emphasizing the changes occurring throughout the lifespan. Students will examine the physical, emotional, cognitive, and social growth of infants, toddlers, preschoolers, schoolchildren, adolescents, and adults.

PSYCH 230 HUMAN SEXUALITY
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Prerequisite: PSYCH 101.
Studies the psychological and physiological range of human sexuality. Topics explored include the social and
biological foundations of sexuality, human anatomy, reproduction, the birth process, sexual behavior and attitudes in contemporary society, historical views of sexuality, cross-cultural views of sexuality, sexual dysfunction, sexually transmitted diseases, and sexual problems and issues in society.

PSYCH 235 PSYCHOLOGY OF GENDER ROLES
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Presents a survey of gender issues which affect the psychological development of women and men. The development of sex roles and the extent to which these roles influence, or are influenced by physiology, the family, education, work, and interpersonal relationships will be explored.

PSYCH 240 ABNORMAL PSYCHOLOGY
Units: 3.00 - CSU
3.00 hours lecture weekly
The field of abnormal psychology is examined by reviewing history, patterns, and causes of maladaptive behavior; clinical assessment using the current Diagnostic and Statistical Manual; therapies; and prevention of behavioral disorders.

QUALITY TECHNOLOGY

QCTECH 100 THE QUALITY CONTROL FUNCTION
Units: 3.00 - CSU
3.00 hours lecture weekly
Presents the fundamentals of quality control as is state-of-the-art in industry. The basic organizational and functional responsibilities are discussed along with a general overview of occupations within the field of quality control.

QCTECH 101 MEASUREMENT-MECHANICAL/ELECTRICAL TECHNOLOGY
Units: 4.00 - CSU
3.00 hours lecture weekly, 3.00 hours lab weekly
Provides technical information applicable to mechanical and electrical inspection devices. The primary thrust will be toward measurement and the relation of mechanical and electrical to quality inspection.

QCTECH 150 INTERPRETATION OF SPECIFICATIONS
Units: 2.00 - CSU
2.00 hours lecture weekly
Covers the facets of specifications used in conjunction with engineering drawings for product manufacturing and description, including materials, processing and testing.

QCTECH 151 STATISTICAL CONCEPTS
Units: 2.00 - CSU
2.00 hours lecture weekly
Designed to outline the basic statistical techniques which have a wide range of industrial applications. Special emphasis is placed on statistical concepts for quality control and sampling inspection.

QCTECH 152 PROCESS CONTROL
Units: 4.00 - CSU
4.00 hours lecture weekly
Provides the method and technique required to control manufacturing processes such as plating, metal removal, heat treating, foundry practices and welding certification. The manufacturing process is discussed in detail and how the control of a process sequence is properly traceable to measurement.

QCTECH 153 NON-DESTRUCTIVE TESTING
Units: 3.00 - CSU
3.00 hours lecture weekly
Establishes minimum requirements for the training, qualifying, examining and certification of non-destructive inspection personnel for the inspection of materials and parts by eddy current, liquid penetrant, magnetic particle, radiographic and ultrasocin test methods.

RADIO/TELEVISION/FILM

RTVF 090L OPEN PRODUCTION LAB
Units: 1.00-2.00
3.00-6.00 hours lab weekly, May be taken 4 times for credit
Co-requisite for all RTVF Production Courses. Direct access to RTVF facilities and equipment for students to work independently on projects/assignments related to
RTVF production courses. Offered credit/no credit and not degree applicable.

RTVF 091L ADVANCED OPEN RADIO, TELEVISION, FILM LAB
Units: 1.00
3.00 hours lab weekly
An open lab for the currently enrolled advanced RTVF student who wishes to increase skills through the use of the RTVF lab facility. Offered credit/no-credit and not degree applicable.

RTVF 100 MEDIA & THE SOCIETY
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A general interest survey and evaluation of the mass media. Focus is to help the media consumer better understand today’s mass communicators: newspapers, radio, television, motion pictures, magazines, advertising, and public relations. Course content discusses the history, relationships, ethics, rights and responsibilities of media as well as topics of current interest. (Same as Journ 100).

RTVF 101 STRUCTURE OF THE MOVING IMAGE
Units: 3.00 - CSU
3.00 hours lecture weekly
A breakdown of dramatic structure as it applies to narrative theory within motion picture storytelling. Representative films and television programs are exhibited and analyzed.

RTVF 112 VIDEO PRODUCTION
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Corequisite: RTVF 090L
An introduction to video studio operations and portable video equipment for the field. This course stresses the fundamentals of electronic audio/visual technique while surveying key crew positions and equipment found in most broadcast television environments. Students will be expected to gain a comprehensive understanding of an entry-level video production work environment.

RTVF 115 WRITING FOR BROADCAST
Units: 3.00 - CSU
3.00 hours lecture weekly
Language and style as it applies to the media environment. Students will analyze and perform script development in radio and television production.

RTVF 118 EDITING
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 2 times for credit
Corequisite: RTVF 090L
Introduction to motion picture editing theory and basic technology, including individual exercises designed to develop students’ skills in basic editing arrangements. Students are encouraged to take this course concurrently with RTVF 168 or DAT 172 - Digital Editing.

RTVF 125 TELEVISION PRODUCTION
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Corequisite: RTVF 090L
Broadcast journalism in the television news format. Students practice the role of the professional videojournalist as a reporter and operate as production crew. Topics include: producing news segments (electronic news gathering), operating portable video equipment, and editing videotape. Includes equipment and operations of the television broadcast studio and control room.

RTVF 129 MUSIC PRODUCTION FOR FILM AND TELEVISION
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Corequisite: RTVF 090L
Designed to provide the technical and aesthetic tools needed for the production of music for motion pictures and video, this course focuses on the artistic issues as well as the mechanics of matching sounds with a visual counterpart. (Same as MUSIC 129).
RTVF 144 ACTING FOR THE CAMERA  
Units: 3.00 - UC:CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit  
Prerequisite: THEATR 126 or THEATR 140 or THEATR 141.  
The practice and study of the fundamental techniques required in acting before the camera in contrast to the variance from stage work. Students will address areas of voice and movement for the camera; blocking; memorization and audition techniques including the preparation and presentation of headshots and resumes. (Same as THEATR 144).

RTVF 151 RADIO/TELEVISION ANNOUNCING  
Units: 3.00 - CSU  
3.00 hours lecture weekly  
Corequisite: RTVF 090L  
Theory and practice in Radio/TV announcing for newscasts, commercials, sportscasts, and talk-show hosting; with a focus upon developing the individual on-air personality. Open to non-majors as well as majors. (Same as COMS 151).

RTVF 168 DIGITAL EDITING  
Units: 3.00 - CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly. May be taken 4 times for credit  
An introductory level course designed to teach software applicable to desktop computer non-linear editing programs such as Adobe's Premiere and After Effects. The course will include making short video projects. It is highly recommended to take this course concurrently with RTVF 118, Editing. (Same as DAT 172.)

RTVF 170 AUDIO PRODUCTION  
Units: 3.00 - CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit  
Corequisite: RTVF 090L  
An introduction to aural theory and related audio hardware found in media production environments including new digital technologies. Training in the operation of the studio console, multi-channel recorders, and microphones. Audio editing projects/assignments.

RTVF 175 RADIO PRODUCTION  
Units: 3.00 - CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly  
Corequisite: RTVF 090L  
Broadcasting on the internet as KGUR, students produce audio/radio program media. Introductory techniques of programming, writing, editing, producing, directing and announcing will be used for developing music formats and news broadcasts. Operation of digital-based broadcasting systems to include Internet/Broadband streaming technologies.

RTVF 190 FILM PRODUCTION  
Units: 3.00 - UC:CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 3 times for credit  
Corequisite: RTVF 090L  
A course in the basic principles and production techniques of film making. The course is designed for the beginning student understanding the fundamentals of equipment operation, terminology, aesthetic values, and editing techniques for film production.

RTVF 195 SCREENPLAY WRITING  
Units: 3.00 - CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly  
Corequisite: RTVF 090L  
Covers the basic tools necessary in writing an effective screenplay in proper format. These tools include: understanding a film premise; triangular character relationships; inciting incidents; turning points, crisis, climax, and resolution; how to build non-cliche, and three-dimensional character.

RTVF 218 ADVANCED FILM/VIDEO EDITING  
Units: 3.00 - CSU  
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 3 times for credit  
Corequisite: RTVF 090L  
An advanced course in post-production film/video technique and aesthetics including the analysis, application and mastery of editing styles.
RTVF 250 FILM/VIDEO CINEMATOGRAPHY (CAMERA & LIGHTING)
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 2 times for credit
Corequisite: RTVF 090L
An introduction to well-disciplined creative control of the film or video camera and lighting techniques for both the studio and field. Attention will be paid to producing highly stylized images as well as standard applications for typical location and studio situations. Students will be taught the main aspects the role of Director of Photography has in production. This course features new digital video technologies.

RTVF 255 ADVANCED SCREENPLAY WRITING
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 3 times for credit
Focuses on advanced aspects of the screenplay including main plots, subplots, progressive complications, 1st, 2nd, 3rd act, turning points and primary and incidental characters. Student's work will be critiqued and examined, resolving individual writing problems, and allowing each script to find its voice in a powerful, dramatic narration.

RTVF 270 ADVANCED AUDIO PRODUCTION
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 3 times for credit
Corequisite: RTVF 090L
Techniques of studio and remote audio production as they apply to sound design for film/video post-production. Training in multi-source mixing and multi-track digital recording as well as the sculpting and application of sound effects.

RTVF 280 ADVANCED FILM PRODUCTION
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 3 times for credit
Corequisite: RTVF 090L
Working within the medium of film, students will learn to make short motion picture projects and be involved in a critical discussion concerning film as an art form and mode of popular culture. Course material will include hand-processing, script writing, lighting design, and group projects.

RTVF 290 RTVF PORTFOLIO
Units: 3.00 - CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 3 times for credit
Corequisite: RTVF 090L
Designed for advanced students who have completed or are currently enrolled in available courses in their chosen area of concentration within RTVF. Students will pursue film/video portfolio work and develop the necessary skills for entry-level positions in media environments or transfer to four-year film schools and art institutions. Topics include contemporary trends within media production featuring visiting artists and professionals. Class time will also focus on placing and monitoring progress in appropriate internships as well as feedback and critique of project work.

RTVF 299 DIRECTED STUDIES IN RADIO, TELEVISION AND FILM
Units: 1.00-3.00 - CSU
A course intended to provide radio, television, film students with further work and experience. A study of the major aspects of media production responsibilities. Taught in a consultation, laboratory setting and of particular value to production students.

REAL ESTATE

REAL 100 REAL ESTATE PRINCIPLES
Units: 3.00 - CSU
3.00 hours lecture weekly
Introduces the student to real estate fundamentals, including the economics of land ownership and the responsibility of the broker, owner and purchaser. Covers terminology and definitions and the varied vocational opportunities in the general field of real estate.
REAL 101 REAL ESTATE PRACTICES  
Units: 3.00 - CSU  
3.00 hours lecture weekly  
Prerequisite: Real Estate 100 or current license.  
Important phases of practical day-to-day operations in a real estate company. Includes study of real estate office operation having to do with listings, valuations, prospecting, selling, financing, exchanging, taxation and specialized brokerage operations.

REAL 105 REAL ESTATE FINANCING  
Units: 3.00 - CSU  
3.00 hours lecture weekly  
A study of the principles and practical aspects of financing real estate in California. Includes a detailed analysis of the financing of real estate including sources of loans and loan processing, governmental loans, methods of financing residential property and appraisal.

REAL 115 LEGAL ASPECTS OF REAL ESTATE  
Units: 3.00 - CSU  
3.00 hours lecture weekly  
California real estate law with emphasis on practical applications. Includes a study of sources of real estate law, classes of property, fixtures, easements, estates or interests in real property, contracts, agency, conveying and security devices.

REAL 120 REAL ESTATE APPRAISAL  
Units: 3.00 - CSU  
3.00 hours lecture weekly  
An introductory course covering the purposes of appraisals, the appraisal process and the different approaches, methods, and techniques used to determine the value of various types of property. Emphasis will be on residential and single property.

REAL 121 REAL ESTATE APPRAISAL II  
Units: 3.00 - CSU  
3.00 hours lecture weekly  
An advanced appraisal course covering the methods and techniques used in the appraisal of specialty and more complex income-producing properties. Emphasis will be placed on selecting and applying the correct approach to the valuation of these types of properties.

REAL 130 ESCROW PROCEDURES & PROCESSING  
Units: 3.00 - CSU  
3.00 hours lecture weekly  
Designed to familiarize the layman with the documentation and paperwork involved in processing a simple escrow and the basic functions of the escrow holder in a real estate transaction.

SIGN LANGUAGE  
SIGN 101 AMERICAN SIGN LANGUAGE I  
Units: 4.00 - UC:CSU  
4.00 hours lecture weekly  
A fundamental study of American Sign Language (ASL) designed to develop student's proficiency in basic ASL communication skills with an emphasis on comprehension skills. Covers conversational skills, cultural awareness, grammatical features and vocabulary development.

SIGN 102 AMERICAN SIGN LANGUAGE II  
Units: 4.00 - UC:CSU  
4.00 hours lecture weekly  
Prerequisite: SIGN 101.  
A continuing study of American Sign Language (ASL) designed to increase the student's proficiency in intermediate ASL communication skills with a continued emphasis on comprehension skills. Includes conversational skills, cultural awareness, grammatical features and vocabulary development.

SIGN 103 AMERICAN SIGN LANGUAGE III  
Units: 4.00 - UC:CSU  
4.00 hours lecture weekly  
Prerequisite: SIGN 102  
A continuing study of ASL designed to increase the student's proficiency in intermediate ASL communication skills with an emphasis on both comprehension and production skills. The course components are: conversational skills, cultural awareness, grammatical features and vocabulary development.
SIGN 110 AMERICAN DEAF CULTURE
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
The study of various aspects of American Deaf Culture, including description of deafness, deaf people, the deaf community as defined by audiology and/or cultural means, service for and by deaf people, and culture as reflected in the arts and language of deaf people.

SIGN 111 FINGERSPELLING
Units: 2.00 - CSU
2.00 hours lecture weekly, May be taken 2 times for credit
Prerequisite: SIGN 101, SIGN 102 or equivalent.
Designed to develop basic skills in receptive and expressive fingerspelling. Deals with specific problems and techniques for correction. Strongly recommended for prospective teachers, interpreters, and other professionals working with deaf people. Offered on a credit/no credit basis only.

SOCI 100 CHICANO/A CULTURE
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Examines the academic field of Chicano/a studies. The historical, political, social, and cultural aspects of the heterogeneous Chicano and Chicana experience are reviewed. Current issues and challenges facing Chicanos and Chicanas in education, families and work are also explored.

SOCI 101 INTRODUCTION TO SOCIOLOGY
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
CAN: SOC 2
Provides foundation of understanding and using the 'sociological imagination' behavior. Through the examination of American society and other cultures, students learn the specific conceptual, theoretical, and methodological principles and applications that distinguish sociology from other social sciences. Micro and macro explanations are reviewed to explain how culture, values, roles, norms, social interaction, and social stratification influence the characteristics and processes of everyday life and create social change.

SOCI 102 SOCIOLOGICAL ANALYSIS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Scientific logic and procedure are used to collect, interpret, and analyze social phenomena. The characteristics, strengths, and weaknesses of qualitative and quantitative research practices are examined as students learn to conceptualize and relate social variables as they develop measurable hypotheses.

SOCI 103 THE CHANGING FAMILY
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Changing definitions of what comprises a family are examined within a multicultural American society. This course analyzes the concepts of commitment, love, and intimacy found in human relationships, and explains their importance to forming lasting partnerships. Controversial issues involving marriage, divorce, singleness, dating, and parenting are discussed. Diversity of function and form is central to understanding the contemporary family from a sociological perspective.

SOCI 105 MULTICULTURALISM IN THE UNITED STATES
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Explores several levels of cultural diversity in the context of a complex, modern society. Provides students with tools to be better prepared to understand and live in an increasingly diverse society. (Formerly INTERD 100).

SOCI 108 THINKING CRITICALLY ABOUT SOCIAL ISSUES
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Examines the definitional and contextual nature of social issues. Develops a 'critical thinking' approach which integrates interdisciplinary principles and incorporates a comparative framework utilizing literary criticism, logic, argumentation, and persuasion to analyze and compare the content and validity of social issues and specifically explores how the media and scientific community collect, interpret and report social data.
SOCI 197 SOCIAL SCIENCE PRACTICUM
Units: 1.00 - UC:CSU
1.00 hours lecture weekly, May be taken 4 times for credit
Corequisite: SOCI 101
This is a collaborative, interdisciplinary course which introduces students to sociological methodology, library information technology, and research writing skills. Taken concurrently with SOCI-101, this course provides students with the opportunity to receive additional support in completing their semester projects.

SOCI 200 INTRODUCTION TO WOMEN'S STUDIES
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Provides an overview of the academic field of women's studies. The social and cultural consequences of living in a 'gendered world' are examined with regard to topics like socialization, communication, politics, sexuality and religion. Gender relationships are also explored within their historical and cross-cultural contexts.

SOCI 203 SOCIOLOGY OF WORK, ORGANIZATIONS, AND COMMUNITY
Units: 3.00 - CSU
3.00 hours lecture weekly, May be taken 3 times for credit
Uses the sociological perspective to examine the role of the modern organization in both community and society. The students will participate in an ethnographic field of study which will require them to participate in 25 hours of community service outside of the classroom at an organization's site. Observations recorded in field journals will provide students with the data from which they will analyze and reach sociological generalizations. Students complete an organizational analysis of their workplace by interpreting ethnographic data gathered through participant observation. Work site placement is arranged through the Volunteer and Service-Learning Center.

SOCI 207 SOCIAL PROBLEMS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
CAN: SOC 4
Applies sociological principles and research processes to identify and analyze selected contemporary social problems that are occurring in the United States. Issues of crime, substance abuse, overpopulation, poverty, gender violence, and the environment are examined nationally, while global comparisons are also reviewed.

SOCI 208 SOCIOLOGY OF DEATH AND DYING
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
The study of the cultural, social, and political meaning of death as it exists within the United States and abroad. Using the sociological perspective, this course examines the importance of death and its related processes as parts of socially constructed meanings recognized and practiced by societal members. The inevitability and consequences of death influence social interaction among groups, institutions, and nations and results in conflicting relationships based on moral, ethical, and fiscal concerns.

SOCI 210 SOCIOLOGY OF DEVIANCE, CRIME AND SOCIAL CONTROL
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Provides a sociological explanation of deviance, crime, and social control in the United States. Through the examination of American society, specifically by identifying cultural norms, values and beliefs, and with the use of cross-cultural comparisons, students will learn the basic theories, methods, and concepts used to understand deviant behavior. The goal of this course is to develop a 'sociological awareness among students, and to recognize the social forces that influence deviant behavior and its relationship with groups, institutions and society.

SOCI 233 SOCIOLOGY OF AGING
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
Examines the cultural, social, and political structures that define the aging process. The worldwide variation between sociological age and chronological age is explored to illustrate how culturally prescribed attitudes determine the value of growing old. Course discussion will focus on modern society and the diminished stage of the aged.
SPANISH

SPAN 080A INTENSIVE ELEMENTARY SPANISH I
Units: 2.00
2.00 hours lecture weekly
Intended to provide the students with basic listening, speaking, reading and writing skills in Spanish. Designed for students with little or no previous experience in the Spanish language. Intensive practice in the expression and comprehension of spoken Spanish. Offered credit/no-credit only.

SPAN 080B INTENSIVE ELEMENTARY SPANISH II
Units: 2.00
2.00 hours lecture weekly
Designed for students who possess some basic knowledge of the Spanish language. Course is intended to review and further develop the grammar, vocabulary and conversation acquired in Spanish 080A. Continuous practice in the expression and comprehension of spoken Spanish. Offered credit/no-credit only.

SPAN 082A INTENSIVE INTERMEDIATE SPANISH I
Units: 2.00
2.00 hours lecture weekly
Develops a working knowledge of reading and writing skills in Spanish. Course is intended to review and further develop the grammar, vocabulary and conversation acquired in SPAN-080B. Offered credit/no-credit only.

SPAN 082B INTENSIVE INTERMEDIATE SPANISH II
Units: 2.00
2.00 hours lecture weekly
Builds oral proficiency while presenting a balanced-skills approach to listening, speaking reading and writing. A continuation of SPAN-082A. Offered credit/no-credit only.

SPAN 084A INTENSIVE ADVANCED SPANISH I
Units: 2.00
2.00 hours lecture weekly
Emphasizes oral proficiency while strengthening reading and writing skills in a cultural context. A continuation of SPAN 082B.

SPAN 098 SPANISH SOCIAL CONVERSATION
Units: 0.25 - 3.00
0.25-3.00 hours lecture weekly, May be taken 4 times for credit
Presents students with an opportunity for intensive group conversation and discussions during the lunch hour.

SPAN 101 ELEMENTARY SPANISH I
Units: 4.00 - UC:CSU
4.00 hours lecture weekly
Practice in understanding, speaking, reading and writing simple Spanish, using a basic vocabulary and stressing idiomatic expressions. Intensive drill in pronunciation and the fundamentals of Spanish. This course corresponds to the first two years of high school Spanish.

SPAN 101A SPANISH FOR SPANISH SPEAKERS I
Units: 4.00 - UC:CSU
4.00 hours lecture weekly
Focuses on developing and strengthening reading and writing skills. Emphasis is placed on spelling, punctuation, lexical variations, idioms and cultural components of the Spanish language. Designed for the students who communicate in Spanish and/or have near-native fluency. Might include students who have acquired the language outside of the classroom setting. No credit is given to students who have earned credit in SPAN 101.

SPAN 102 ELEMENTARY SPANISH II
Units: 4.00 - UC:CSU
4.00 hours lecture weekly
Prerequisite: SPAN 101 or two years of high school Spanish or equivalent.
Review and further study of the fundamentals of the Spanish language with emphasis upon correct pronunciation and mastery of a practical vocabulary. Practice in
oral and written expression. This course corresponds to
the third year of high-school Spanish.

SPAN 102A SPANISH FOR SPANISH
SPEAKERS II
Units: 4.00 - UC:CSU
4.00 hours lecture weekly
Prerequisite: SPAN 101A or equivalent.
A continuation of SPAN-101A. Focuses on developing
reading and writing skills. Designed for students who
communicate in Spanish and/or have near-native fluency.
Might include students who have acquired the language
outside of the classroom setting. No credit is given to stu-
dents who have earned credit for SPAN 102.

SPAN 150 CONVERSATIONAL
SPANISH
Units: 3.00 - UC:CSU
3.00 hours lecture weekly, May be taken 2 times for credit
Prerequisite: One year of college Spanish or three
years of high school Spanish or equivalent.
A course of intensive practice in the expression and
comprehension of spoken Spanish. The verbal active
method used stresses oral communication.

SPAN 160 SPANISH FOR PUBLIC
SAFETY PERSONNEL
Units: 3.00 - CSU
3.00 hours lecture weekly, May be taken 4 times for credit
A specialized course of basic Spanish for public safety per-
sonnel with emphasis on communication with the Spanish-
speaking community. Emphasis will be on acquiring a practi-
cal, working knowledge of Spanish with a vocabulary suitable
to the student’s area of specialization. Extensive use of audio-
visual materials and the language laboratory.

SPAN 198 SPECIAL TOPICS IN
SPANISH LANGUAGE, LITERATURE
AND CULTURE
Units: 1.00-3.00 - CSU
1.00-3.00 hours lecture weekly, May be taken 4 times for credit
Special topics in Spanish Language, literature and cul-
ture. Courses are offered in variable formats and for
variable units. Consult the current schedule of classes
for topics being offered each term.

SPAN 201 INTERMEDIATE SPANISH I
Units: 4.00 - UC:CSU
4.00 hours lecture weekly
Prerequisite: SPAN 102 or equivalent.
Comprehensive review of Spanish grammar with special
emphasis upon practical and idiomatic usage. Readings
of short stories in Spanish by famous Latin American
authors. Discussions and written and oral reports in
Spanish based upon reading selections. This course cor-
responds to the fourth year of high-school Spanish.

SPAN 202 INTERMEDIATE SPANISH II
Units: 4.00 - UC:CSU
4.00 hours lecture weekly
Prerequisite: SPAN 201 or 4 years of high school
Spanish or equivalent.
Complete review of Spanish grammar. Oral discussion
and written composition dealing with assigned readings
of current Spanish prose. Intensive reading of outstand-
ing Spanish and Latin American literature.

SPAN 240 LATIN AMERICAN
LITERATURE
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A survey course of the literature of Latin America from
the time of the discovery to the twentieth century. This
course may be conducted in English or Spanish (refer
to schedule of classes). Especially recommended for
Spanish majors and students enrolled in History 240.

THEATRE

THEATR 060 THE BUSINESS OF
ACTING
Units: 1.00
1.00 hours lecture weekly, May be taken 4 times for credit
Covers acting as a business and becoming a profes-
sional in the entertainment industry. Topics also
include: pictures, resumes, agents, unions, interviewing,
auditioning and marketing.
THEATR 061 AUDITIONING FOR STAGE, FILM AND TELEVISION
Units: 2.00
2.00 hours lecture weekly, May be taken 4 times for credit
Prerequisite: THEATR 140
Auditioning processes for professional work in theatre, television and film. Selection, preparation and performance of material with which to audition.

THEATR 090L OPEN THEATRE LAB
Units: 0.50-2.00
1.50 hours lab weekly, May be taken 4 times for credit
An open lab for currently enrolled theatre students who wish to rehearse and prepare for performance in a theatrical environment. Provides access to additional coaching and instruction. Offered credit/no-credit only and not degree applicable.

THEATR 110 UNDERSTANDING THEATRE
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A critical analysis of theatre from the audience perspective. Examination of the functions of producer, architect, playwright, director, actor, designer and critic through lecture and reading of selected plays.

THEATR 120 STAGECRAFT
Units: 3.00 - UC:CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Provides the theory and practical application of scenic elements for the stage including design, construction, painting, safety practices, methods of shifting, handling scenery and handling properties.

THEATR 126 IMPROVISATION
Units: 2.00 - UC:CSU
1.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
An introduction to the principles and practice of theatrical improvisation. This course focuses on the development of spontaneity, physicalization and interaction as they pertain to the creation of improvised character and ensemble performance techniques. Exercises, games and improvised situational scenes are utilized to create an understanding of improvisation as a means to achieving enhanced performance skills.

THEATR 140 ACTING FUNDAMENTALS
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
CAN: DRAM 8
Introduction to the basic principles and techniques of acting as an artistic discipline. Analysis of plot, character and language. Development of voice and movement skills. Provides theory and process through the use of games, exercises, performances of scenes, monologues, readings and lecture.

THEATR 141 SCENE PERFORMANCE
Units: 3.00 - UC:CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Prerequisite: THEATR 140.
A refinement of the art, craft and discipline of acting, designed to further develop voice, movement and the ability to analyze dramatic text and characters through exercise improvisations and extended scene work.

THEATR 144 ACTING FOR THE CAMERA
Units: 3.00 - UC:CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Prerequisite: THEATR 126 or THEATR 140
The practice and study of the fundamental techniques required in acting before the camera in contrast to the variance from stage work. Students will address areas of voice and movement for the camera; blocking; memorization and audition techniques including the preparation and presentation of headshots and resumes. (Same as RTVF 144).

THEATR 161 MUSICAL THEATRE
Units: 3.00 - UC:CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Prerequisite: THEATR 126 or THEATR 140
Performance methods and practices of musical theatre as they relate to the performer. Develops vocal skills, choreographic movement, and acting technique through exercises, solo performances and fully staged scenes.
THEATR 175 INTRODUCTION TO STAGE DIRECTING
Units: 3.00 - UC:CSU
3.00 hours lecture weekly, May be taken 4 times for credit
Prerequisite: THEATR 110.
An introduction to the fundamental techniques of stage direction including text analysis, styles and genres, stage composition, blocking, working with actors and designers. Incorporating study of the works of the great directors, students will create a directorial vision and means of working and apply them during in-class scene work.

THEATR 190 THEATRE PRODUCTION
Units: 1.00-4.00 - UC:CSU
3.00 hours lab weekly, May be taken 4 times for credit
Provides study and laboratory exploration of all aspects of theater production involving actors, technicians and managers, and their contributions to the total aesthetic effect of the dramatic production before a public audience.

THEATR 192 THEATRE YOUNG AUDIENCES
Units: 2.00-3.00 - CSU
1.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Audition, rehearsal, staging and live performance of theatrical play scripts suitably targeted for audiences composed of children from the ages of 6 to 14.

THEATRE 194 READER'S THEATRE WORKSHOP
Units: 3.00 - UC:CSU
2:00 - 1.00 hours lecture weekly
3.00 lab hours, May be taken 4 times for credit
Techniques and practices of adapting prose material into theatrical performances. Prose material selected will be analyzed, scripted, cast, staged and performed before a live audience.

THEATR 220 THEATRE HISTORY I
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A survey of theater as a product or reflection of its time. Examination and analysis of the effects of major historical epochs to the 18th century upon audience, playwright, actor, director and technician as they have evolved. Readings of representative plays and attendance at performances.

THEATR 221 THEATRE HISTORY II
Units: 3.00 - UC:CSU
3.00 hours lecture weekly
A study of theater as a product and reflection of its time from the late 18th Century to the present. Examination and analysis of the effect of the audiences upon playwright, actor, director and setting. Readings of representative plays.

THEATR 230 INTRODUCTION TO PLAY-WRITING
Units: 3.00 - CSU
3.00 hours lecture weekly
An introduction to playwriting. Includes discussion and analysis of structure, development of character, writing dialogue, and composition of a two-act play. (Same as ENGL 107).

THEATR 240 ACTING SHAKESPEARE
Units: 3.00 - UC:CSU
2.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 3 times for credit
Prerequisite: THEATR 140.
An exploration of Shakespeare's plays and poetry through research, exercises, monologues, and scene study. Introduction to the process and technique of analyzing play scripts and poetry while establishing a performance discipline. Includes textual analysis, historical research, scanion, imagery, vocal technique, percio movement, song and dance.

THEATR 241 MOVEMENT FOR THE PERFORMER
Units: 3.00 - UC:CSU
3.00 hours lecture weekly, May be taken 3 times for credit
Develops the performer's instrument as it pertains to the body through awareness, relaxation, flexibility, and responsiveness in order to communicate openly and effectively. Includes movement as a key to character development and as an aid to understanding the complex relationship between the actor, character and text.

THEATR 242 VOICE FOR THE PERFORMER
Units: 3.00 - UC:CSU
3.00 hours lecture weekly, May be taken 3 times for credit
An introduction to the fundamentals of vocal production for the performer. Develops the performer's instrument as it pertains to the voice by eliminating negative habits and tension and improving vocal support, tonal produc-
VOCATIONAL NURSING

VOCNSG 100 NURSING FUNDAMENTALS I
Units: 5.00 - CSU
3.00 hours lecture weekly, 6.00 hours lab weekly
Prerequisite: Acceptance into the Vocational Nursing Program.

The first of two nursing courses that introduce the student to basic concepts and skills. Orem's Self-Care Deficit Theory of Nursing is used as the program's conceptual framework, professional/ legal/ethical practices and oral and written communication techniques, and collaboration are studied. The nursing process is explained to provide a solid basis for succeeding courses. Through simulated clinical experiences provided in the lab the student learns assessment of the universal, developmental, and health deviation self-care requisites, self-care deficits, and therapeutic self-care demands of a client; selection of appropriate nursing diagnoses; planning of goals and criteria; selection of nursing interventions in the wholly or partly compensatory and educative/supportive categories; implementation of interventions and evaluation of effectiveness of nursing interventions. Basic nursing skills are learned in the laboratory.

VOCNSG 101 NURSING FUNDAMENTALS II
Units: 5.00 - CSU
3.00 hours lecture weekly, 6.00 hours lab weekly
Prerequisite: VOCNSG 100.

The second in the Nursing Fundamentals series. The student learns about nutrition, mental health concepts, cultural aspects of care, client education, advanced nursing skills, the musculoskeletal system and gerontology. Advanced nursing skills are learned in the laboratory and actual clinical experience begins in the hospital. Orem's Self-Care Deficit Theory is applied utilizing current and previously learned knowledge and skills. The student will provide care to one client with simple health deviations, primarily of the musculoskeletal system.

VOCNSG 102 PHARMACOLOGY
Units: 3.00 - CSU
3.00 hours lecture weekly, 1.00 hours lab weekly
Prerequisite: VOCNSG 101

The student gains knowledge about medications including the classification of drugs, methods and routes of administration, distribution, absorption, excretion, and desired and toxic effects. Skills of converting measures, calculating dosages for adults, infants and children are learned. Simulated clinical experiences are provided in the laboratory for students to learn the skills and to use the nursing process for a client receiving medications. Take concurrently with Medical-Surgical I in which the student administers medications to clients.

VOCNSG 103 MEDICAL-SURGICAL NURSING I
Units: 8.00 - CSU
4.00 hours lecture weekly, 12.00 hours lab weekly
Corequisite: VOCNSG 102.

The first course in the medical-surgical series in which the student gains knowledge and skills needed to care for clients experiencing health deviations of the respiratory, endocrine, and gastrointestinal systems. It includes study of fluids and electrolytes, and basic acid-base imbalances. Skills appropriate to the health deviations are learned. Orem's Self-Care Deficit Theory is applied in the clinic using the knowledge and skills learned in the classroom. Taken concurrently with VOCNSG 102 and the student integrates pharmacological concepts in the care of clients.

VOCNSG 104 MEDICAL-SURGICAL NURSING II
Units: 6.00 - CSU
4.00 hours lecture weekly, 7.00 hours lab weekly
Prerequisite: VOCNSG 103

The second course in the medical-surgical series offered in summer following the first year of the program in which the student gains knowledge in gerontology; health deviations of the integumentary (elimination) and immune systems; the human immunodeficiency virus (HIV); and sexually transmitted diseases.
Includes the study of death and dying and the grief process. The nursing process is based on Orem's Self-Care Deficit Theory and applied in the clinic utilizing the knowledge and skills learned in the classroom. Therapeutic communication techniques, collaboration, and professional/ethical/legal practices are integrated.

**VOCNSG 105 MEDICAL-SURGICAL NURSING III**
Units: 11.00 - CSU
7.00 hours lecture weekly, 12.00 hours lab weekly
Prerequisite: VOCNSG 104.

The third in the medical-surgical series in which the student gains knowledge and skills needed to care for clients with health deviations of the cardiovascular/blood/lymph (air) and renal (elimination) systems; clients with oncologic problems and clients undergoing surgery. Includes a study of substance abuse. Skills needed to care for clients in this unit of study are learned in the laboratory. The student applies the knowledge and skills in the clinical area during the nursing process utilizing Orem's Self-Care Deficit Theory. Communication techniques, collaboration and professional/ethical/legal practices are integrated in the nursing process.

**VOCNSG 106 MATERNAL-NEWBORN/ PEDIATRIC NURSING**
Units: 6.00 - CSU
4.00 hours lecture weekly, 6.00 hours lab weekly
Prerequisite: VOCNSG 105

The student gains the knowledge and skills needed in the care of the perinatal mother and the newborn as well as the pediatric client. The nursing process based on Orem's Self-Deficit Theory is applied utilizing the knowledge and skills learned in the classroom. Communication techniques, collaboration and professional/ethical/legal practices are integrated in the learning process.

**VOCNSG 107 MEDICAL-SURGICAL NURSING IV**
Units: 5.00 - CSU
3.00 hours lecture weekly, 6.00 hours lab weekly
Prerequisite: VOCNSG 106

The fourth and last course in the medical-surgical nursing series in which the student acquires the knowledge and skills needed to care for clients with health deviations of the neurological and sensory systems (regulatory). Concepts of home health and leadership/supervision in long term care are included. The knowledge and skills learned are applied clinically and in home care during the nursing process utilizing Orem's Self-Care Theory of Nursing. Communication techniques, collaboration, and professional/legal/ethical practices are integrated in the nursing process. The student learns team leading in a long term facility.

**WATER SYSTEMS TECHNOLOGY**

**WATER 100 WATERWORKS MATHEMATICS**
Units: 3.00 - CSU
3.00 hours lecture weekly

Manipulation, calculation and performance of all mathematical computations necessary to solve elementary water treatment problems involving the metric system, percent, dosage, dosage rate, flow rate, volume, weight, velocity, area, geometric shapes and volumes and elementary hydraulics. This course will assist the student with the Water Treatment Plant Water Distribution Certification Examinations. (Formerly ENVRMT 100)

**WATER 101 WATER TREATMENT PROCESSES I**
Units: 3.00 - CSU
3.00 hours lecture weekly

Designed to acquaint the student with basic water treatment concepts and basic chemical dosage techniques. This introductory course will also enable the student to qualify for the California State Water Treatment examination for Grades I & II. (Formerly ENVRMT 101)

**WATER 102 WATER TREATMENT PROCESSES II**
Units: 3.00 - CSU
3.00 hours lecture weekly

A continuation of WATER 101. Emphasis is placed upon specific water treatment processes and associated duties commonly encountered within a treatment facility. Will assist student to qualify for California State Water Treatment Grade III examination. (Formerly ENVRMT 102)
WATER SYSTEMS TECHNOLOGY • WELDING

WATER 105 WATER DISTRIBUTION OPERATOR I
Units: 3.00 - CSU
3.00 hours lecture weekly
A basic course covering all aspects of water distribution after the water treatment plant. The student will become familiar with key operative parameters and maintenance of the system. Will assist student in passing Grade I Water Distribution Operators Licensing Test. (Formerly ENVRMT 105)

WATER 106 WATER DISTRIBUTION OPERATOR II
Units: 3.00 - CSU
3.00 hours lecture weekly
An advanced course in water distribution covering subject matter of WATER 105 in greater detail. Will assist the student in passing Grade II Water Distribution Operator’s License Test. (Formerly ENVRMT 106)

WATER 108 WATER TREATMENT CHEMISTRY
Units: 3.00 - CSU
3.00 hours lecture weekly
Expands upon the concepts presented in WATER 101, with particular emphasis on the chemistry of water treatment and water quality regulations. (Formerly ENVRMT 108)

WATER 110 WASTEWATER TREATMENT & DISPOSAL I
Units: 3.00 - CSU
3.00 hours lecture weekly
Introduction to wastewater treatment and disposal. Topics covered include the characteristics of wastewater; sources and quantities of wastewater; individual sewage treatment and disposal systems; pre-treatment, primary treatment, secondary treatment and effluent polishing. Emphasis is given to solving problems of the type encountered on operator certification examinations. (Formerly ENVRMT 110)

WATER 111 WASTEWATER TREATMENT & DISPOSAL II
Units: 3.00 - CSU
3.00 hours lecture weekly
A continuation of Wastewater Treatment and Disposal I with additional emphasis on process control, trouble shooting and wastewater mathematics and formula manipulations which may be encountered on state certification examinations. Topics covered include individual sewage treatment and disposal systems and methods; pre-treatment, primary treatment, secondary treatment, solids handling, chemical applications and effluent polishing. (Formerly ENVRMT 111)

WATER 112 WASTEWATER TREATMENT & DISPOSAL III
Units: 3.00 - CSU
3.00 hours lecture weekly
An extension of Wastewater Treatment I and II content with an emphasis on mathematics and essay problems encountered on the Grade IV and V state certification examination. Topics covered will include phosphorous removal, tertiary treatment, and chemical additions. (Formerly ENVRMT 112)

WELDING

WELD 100 INTRODUCTION TO OXY-ACETYLENE WELDING
Units: 2.00 - CSU
1.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Provides the beginning student with a solid foundation in oxyacetylene welding, arc welding, welding techniques, brazing, and flame cutting on ferrous and non-ferrous metals. Includes basic weld-joint design, expansion, contraction, and residual stress in welding of metals.

WELD 101 INTRODUCTION TO ARC WELDING
Units: 2.00 - CSU
1.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
An extension of Welding 100 with an emphasis on developing basic skills acquired in Welding 100. This course will include vertical and overhead oxyacetylene and arc welding.
WELD 102 INTRODUCTION TO GAS TUNGSTEN ARC AND GAS METAL ARC WELDING
Units: 2.00 - CSU
1.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 4 times for credit
Provides students with a solid foundation in Gas Tungsten Arc Welding (GTAW) and Gas Metal Arc Welding (GMAW). Includes basic weld-joint design, expansion, contraction, and residual stress in welding of metals. Students are encouraged to earn welding certifications that can lead to employment opportunities in aerospace, entertainment, nuclear and automotive industries.

WELD 103 METAL SCULPTURING
Units: 2.00 - CSU
1.00 hours lecture weekly, 3.00 hours lab weekly, May be taken 3 times for credit
Provides students with a basic foundation in torch soldering, oxyacetylene welding, and shielded metal arc welding. Includes proper safety procedures in the use of shop tools and equipment. Demonstration of methods of proper cutting, forming and shaping of metals. Also covers basic weld-joint design, expansion, contraction, and residual stress in welding of ferrous and non-ferrous metals. Students learn to sketch, fabricate, and assemble projects relative to metal/sculpture.

WELD 120 INDUSTRIAL WELDING I
Units: 5.00 - CSU
3.00 hours lecture weekly, 6.00 hours lab weekly, May be taken 4 times for credit
A trade-technical course offering related theory and vocational skills in oxyacetylene, shielded-metallic arc, TIG, and MIG welding. Also included are related mathematics, theory, labor management and organization, safety and fire control, shop metallurgy, testing and welding design.

WELD 122 INDUSTRIAL WELDING II
Units: 5.00 - CSU
3.00 hours lecture weekly, 6.00 hours lab weekly
A continuation of Welding 120. Enables the student to further develop the required manual/manipulative skills required in oxyacetylene and arc welding.

WELD 124 INDUSTRIAL WELDING III
Units: 5.00 - CSU
3.00 hours lecture weekly, 6.00 hours lab weekly
Specialized instruction in welding techniques used in industry, including TIG and MIG welding along with building proficiency in the shielded metallic arc and oxyacetylene processes. Designed for certification.

WELD 125 INDUSTRIAL WELDING IV
Units: 1.00 - CSU
3.00 hours lab weekly
Provides extended lab hours for continuing students to develop skills necessary to pass welding certification. Maybe repeated for a total of four units. Offered on a credit/no credit basis only.

WELD 130 WELDING METALLURGY
Units: 3.00 - CSU
3.00 hours lecture weekly
Basic metallurgy as applied to welding, metal structures, and strength of materials. Weldability of metals, heat treatment, weld procedures, welding stresses and control. Physical and mechanical properties, selection, identification and use of steel, cast iron, stainless steel, non-ferrous metals and alloys.

WELD 140 WELDING INSPECTION
Units: 3.00 - CSU
3.00 hours lecture weekly
Welding inspection procedures and techniques are studied and demonstrated to enable those with the necessary work experience to qualify for L.A. City, International Conference of Building Officials (I.C.B.O.) and American Welding Society certified welding inspector employment.

WELD 150 WELDING TECHNOLOGY
Units: 13.00 - CSU
5.00 hours lecture weekly, 25.00 hours lab weekly
Designed to produce trained, proficient welders. Emphasis on certification, shielded metal arc, MIG, TIG, flux-cored arc, on steel, stainless steel, and aluminum alloys. Equivalent to the Industrial Welding I, II, III, and IV.
WELDING

WELD 155 GTAW AND ORBITAL WELDING

Units: 4.00
2.00 hours lecture weekly, 6.00 hours lab weekly

Prerequisite: WELD 150 or WELD 122.

The Orbital Machine Gas Tungsten Arc Welding process will complement the use of manual GTAW. Certification is available to those completing the course.
Faculty
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Years</th>
<th>Department</th>
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<tr>
<td>ACOSTA, CLAUDIA</td>
<td>Spanish - Associate Professor</td>
<td>(1998)</td>
<td>Spanish</td>
<td>MA Spanish ...........................................UC Riverside</td>
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<td>BA Liberal Studies ..............................Cal St.San Marcos</td>
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<td>ALBERT, SUE</td>
<td>Asst. Dean Allied Health</td>
<td>(2000)</td>
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<td>MHA Univ. of La Verne</td>
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<tr>
<td>ALFANO, KATHLEEN</td>
<td>Counselor - Associate Professor</td>
<td>(1996)</td>
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<td>PhD Higher ED .......................................UCLA</td>
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<td>ALONSO, EDEL</td>
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<td>BA Montclair State College - New Jersey</td>
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<td>AMADOR, JONATHAN</td>
<td>Radio/Television/Film - Assistant Professor</td>
<td>(2001)</td>
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<td>MFA Cal Arts</td>
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<td>ANDERSON, JAMES</td>
<td>Chemistry - Professor</td>
<td>(1991)</td>
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<td>ANTHONY, KEVIN</td>
<td>Hotel/Restaurant Mgt - Assistant Professor</td>
<td>(1999)</td>
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<td>BABBER, TIMOTHY J.</td>
<td>Welding - Assistant Professor</td>
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<td>BADIYI, BAHRAM</td>
<td>Architectural/Drafting Design/CAD - Assistant Professor</td>
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<td>BASHAM, ROGER E.</td>
<td>Anthropology/Sociology - Professor</td>
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<td>Mathematics/Acctg, Bus, Mgmt, Mkfg - Professor</td>
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<td>MBA Business Admin...............................Cal State Dominguez</td>
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<td>BLAKEY, CHRISTOPHER L.</td>
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<td>BORRELLI, PAMELA ANN</td>
<td>Nursing - Associate Professor</td>
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<td>BOYADSHYAN, ANAID</td>
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<td>BRANCH, STEPHEN EARL</td>
<td>History - Assistant Professor</td>
<td>(2000)</td>
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<td>MA American Studies ...............................Univ. So. Florida</td>
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<td>BRANT, SUSAN</td>
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<td>LESLIE BRETTALL</td>
<td>Librarian - Professor</td>
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BREZINA, JENNIFER (2001)
English - Assistant Professor
PhD Philosophy .........................UC Riverside
MA English..............................CSU San Diego
BA English................................UCLA

BRILL-WYNKOOP, WENDY (1997)
Photography - Associate Professor
MFA Creative
Photography .........................Cal State Fullerton
BFA Photography .......................USC

BRODE, ROBERT (2000)
Admin of Justice - Assistant Professor
JD Whittier College
AA Accounting............................LA Valley College

BROGDON-WYNNE, PAMELA (1997)
Director EOPS/CARE - Associate Professor
EdD Nova .........................Southeastern University
MS Guidance CounselingYoungstown State Univ.
BS Education/Eng..............Youngstown State Univ.

BROWN, KERRY (1998)
Personal Development-Associate Professor
MA ED Psych/Counseling ...............CSUN
BA Deaf Studies........................CSUN
AA Social Sciences .....................COC

BUTTS, DANIELLE (1999)
Director, Transfer Center - Assistant Professor
EdD Education .......................Pepperdine
MS Counseling ......................CSUN
BA Deaf Studies/Special Ed .........CSUN

CATAN, DANIEL (1999)
Music - Assistant Professor
PhD Music................................Princeton Univ.
MFA Music................................Princeton Univ.
BA Music..............................Univ. South Hampton
BA Philosophy .........................Univ. Sussex

CHOATE, CHERIE E. (1973)
Mathematics - Professor
MA Mathematics ......................Dartmouth
BA Mathematics .....................Alfred Univ. NY

CLARK, RICHARD L. (2000)
Engineering - Assistant Professor
PhD Materials Engineering ............Virginia Tech
MS Materials Science ................Virginia Tech
BS Materials Engineering ............Virginia Tech

CLEMENTS, KATHLEEN A. (1974)
Computer Information Technology - Professor
MS Business Ed.......................CSUN
BA Business Ed.......................CSUN

COMPTON, JACK D. (1976)
Welding - Professor
BA Industrial Arts......................UCLA
AA Pierce College

COON, PAMELA DENISE (2001)
Computer Networking - Assistant Professor
BA Computer Science ...............UC Santa Barbara

CORBIN, LEE G. (1973)
Mathematics - Professor
MA Mathematics ......................Univ. of Northern Iowa
BA Mathematics ......................Simpson College Iowa
AA Otero Junior College

CORNNER, SUSAN A. (1980)
English - Professor
MA English.........................CSUN
BA History............................USC

CROSBY, LINDA (1998)
Family Studies/Early Childhood Ed. - Associate Professor
MS Home Economics/Child Develop.............Northern Illinois Univ.
MS Counseling Psych ..............Mt. St. Mary's
BA Home Economics...........Northern Illinois Univ.

CROWTHER, SUSAN (1988)
Faculty Mesa Director/Biology - Professor
MS Biology..........................CSUN
BA Biology..........................CSUN

CRUZ, GILMERMO (2001)
Economics - Assistant Professor
MA Economics .....................McGill University-Quebec
BS Economics .....................University of Montreal

D'ASTOLI, FRED (1999)
English - Assistant Professor
MA English.........................CSUN
BA English.........................CSUN

DAVIDSON-SYMONDS, DONNA D. (1972)
English - Professor
EdD Higher Education .................UCLA
MA English....................Southern Methodist Univ. TX
BA English......................Penn State Univ.
DAVIS, DEANNA (1998)
English - Associate Professor
Ph.D Philosophy/English .........................UCLA
MA English ..........................................UCLA
BA English ..........................................UCLA

DAYBELL, MARK (2000)
Multimedia - Assistant Professor
MFA Art/Creative Photo .......................CSU Fullerton
BS Applied Art & Design, Photo ..............Cal Poly San Luis Obispo

DELAVERA-SOLOMAN, OLGA AKA DIANE (1998)
DSPS Counselor - Associate Professor
Med Educational & Counseling Psychology ..........Univ. of Missouri-Columbia
BA Psychology ....................................San Diego State Univ.

DEMERJIAN, MARLENE DIANE (1990)
Mathematics - Professor
EdD Higher Education .........................Nova Univ.
MA Applied Mathematics ......................UCLA
BS Applied Mathematics ......................UCLA
AA Glendale Community College

DERMODY, MICHAEL (1988)
History/Poli Sci - Professor & Pres of Academic Senate
MA History/Political Science .............UC Riverside
BA History .......................................UC Riverside

DIDRICKSON, SALLY (2000)
Div. Dean Math & Science
M Nursing Ed ..................................CSU LA
BSN CSU LA
AA College of the Sequoias

DIXON, STEVEN M. (1998)
Fire Technology - Associate Professor
BA Management .......................Univ. of Redlands
AA El Camino College

DOS REMEDIOS, ROBERT (1999)
Physical Education - Assistant Professor
MA Physical Education .....................CSUN
BA Social Sciences .......................UC Berkeley

DREILING, RONALD DEAN (2000)
PACE English - Assistant Professor
MA English ......................................Univ. of Kansas
BA English & Philosophy ........Washburn Univ., KS

ERIKSSON, ERIK E. (1980)
Chemistry - Professor
MS Chemistry .....................................UCLA
BS Chemistry .....................UPPSALA Univ-Sweden

ETIENNE-CUDMOR, PIERRE (2000)
French - Assistant Professor
MA French Lang. & Literature ........Tufts Univ-MA
BA French & German ......Middlebury College-VT

FELDMAN, BERNARDO (1989)
Music - Professor
PhD UCLA
MFA Fine Arts/Music .........................CalArts
BFA Fine Arts/Music .........................CalArts

FERDMAN, STUART H. (1987)
Counselor - Professor
MS Counseling .......................San Diego State Univ.
BA Psychology .......................San Diego State Univ.
AA Social Welfare ................San Diego City College

FERGUSON, CHRISTOPHER (1999)
Computer Science - Assistant Professor
MS Computer Science .....................CSUN
BS Computer Science .....................CSUN

Director, Disabled Students Programs & Svcs - Associate Professor
PhD Teaching & Curriculum ..................USC
MA Learning Disabilities & Emotionally Disturbed .............Univ. of N.Colorado
BA Speech Pathology & Audiology ...............Univ. of Denver

FISHER, HOWARD (2000)
Physical Ed. - Assistant Professor & Head Coach of Men's Basketball
MA Physical Ed ....................................UCLA
BA Whittier College

FLYNN, KATHY (1999)
Chemistry - Associate Professor
PhD Inorganic Chemistry ....................UC Davis
MS Chemistry .....................San Diego State Univ.
BS Chemistry .....................San Diego State Univ.

FORBES, DOUGLAS JOHN (1985)
Computer Science/Electronics - Professor
AS Computer Science & Electronics COC
FRAZIER, FLAVIA SAMELLA (2000)
Sign Language Assistant Professor
MA Interdisciplinary Studies .......................CSUN
BA History ...........................................Gallaudet Univ.

GERDA, JOSEPH J. (1987)
Mathematics - Professor
MA Mathematics ....................................Univ. of Texas
MS Biomathematics ....................................UCLA
BA Mathematics ....................................Univ. of Texas

GIBSON, COLLETTE J. (1999)
Mathematics - Assistant Professor
MA Mathematics .......................................UCLA
BS Mathematics .......................................UCLA
AS Mathematics .......................................COC

GILMORE, JAMES (2001)
Mathematics - Assistant Professor
MS Mathematics .......................................CSUN
BA Mathematics .......................................UC Berkeley

GLAPA-GROSSKLAG, JAMES (1999)
PACE Director/History Instructor - Associate Professor
MA History/Humanities ....................Univ. of Chicago
BA History .............................................Wesleyan Univ.

GOLBERT, MIRIAM (2001)
Biology - Assistant Professor
MS Biology ............................................CSUN
BS Biochemistry .............National Univ. of Cordoba, Argentina

GONZALES, SARA (2001)
EOPS Counselor - Assistant Professor
M.Ed Counseling and Student Affairs .............UCLA
BA Sociology/Education .........................UCLA

GREEN, AUDREY JOAN (1989)
Articulation Coordinator (Professor)
MA Educational Psychology
BA History ..............................................UCLA
AA Social Sciences ...................................COC

GRIIBBONS, BARRY (1999)
Exec. Dean Institutional Dev. & Technology
PhD Ed .................................................USC
MS Education .........................................USC
BA Psychology ......................................CSUN

GURNEE-SIMON, KIM (2000)
English - Assistant Professor (Writing)
MA English .....................................Cal Poly San Luis Obispo
BA Language Studies .........................Humboldt State

HARDESTY, TAMARAH (1998)
Political Science - Associate Professor
MA International Relations .......................USC
BA Political Science/International Relations ............Univ. of Utah

HARTLEY, PHILIP (1998)
Asst. Superintendent/Vice-President Instruction & Student Services
PhD UC Riverside
MA UC Riverside
BA Humboldt State

HARUTUNIAN, MICHAEL (1999)
English - Associate Professor
MA English Literature ................................CSUN
BA History .............................................CSUN
AA COC

HELFING, SHELDON (2002)
Sociology - Assistant Professor
MSW Univ. of Washington
MA Education .......................................CSUN
BA Psychology/Sociology .......................CSUN

HINSHAW, SUSAN (1999)
Theatre - Associate Professor
MFA Theatre Arts-Acting .......................Cal State Fullerton
BA Drama ..............................................Univ. of Washington

HOOPER, LISA D. (2001)
Physical Education - Head Coach Women’s Volleyball/Assistant Professor
MA Kinesiology Science ......................CSU Long Beach
BS Nutrition ......................................Pepperdine Univ.

HOWE, RICHARD R. (2001)
Psychology - Assistant Professor
MA General-Experimental Psychology ........CSUN
BA Psychology .......................................CSUN

HOWRY, LINDA (2000)
Nursing - Assistant Professor
MS Nursing ............................................Univ of Colorado
BSN Nursing .........................................N. Illinois Univ.

JACOBSO, JOAN D. (1973)
Counselor - Professor
MS Counseling ......................................Cal State LA
BA Psychology .......................................UCLA
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<td>MEd Physical Ed</td>
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<td>MA Physical Ed</td>
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<td>MA Mathematics</td>
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<td>LE, LUONG H.</td>
<td>MA Mathematics</td>
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<td>LEONARD, VICTORIA R.</td>
<td>MA Speech Communication</td>
<td>Speech</td>
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LIPMAN, MELANIE (1998)  
Computer Information Technology - Associate Professor  
MS Instructional Leadership/Ed. Admin...............National Univ.  
BS Secretarial-Fairleigh..................Dickinson Univ.  
AA Liberal Arts............Nassau Community College

LONG, CAROLE (1996)  
Dean Instructional Services  
EdD Institutional Management......Pepperdine Univ.  
MFA UCLA  
BFA UCLA

LORIGAN, JAMES (2000)  
Fine Art - Assistant Professor  
MA Art-Drawing & Painting.............CSU Fullerton  
MFA Painting, Drawing, Printmaking...............CSU Fullerton  
BA Art.........................................CSU Fullerton

LOWE, ANN S. (2000)  
Nursing - Assistant Professor  
MSN Nursing........................CSU Long Beach  
BSN Nursing.....................................UCLA

LYNCH, SVETLANA (2000)  
English - Assistant Professor  
Equivalent to MA Philosophy & English-International........Ed.Institute Russia

LYNN, CYNTHIA (1996)  
FS & ECE - Associate Professor  
BA Human Develop............Pacific Oaks College  
AA Child Dev..................................COC

LYON, CHARLES (1998)  
Physical Education - Associate Professor  
MA Education emphasis PE ..........Asuza Pacific  
BA Physical Education........................CSUN

MACLEAN, HEATHER (2001)  
ESL - Assistant Professor  
MA TESOL.......Monterey Institute of Int'l Studies  
BA Bradford Univ-England

MAHN, MOJDEH ZAHRA (1998)  
Tutoring/Learning Computing Lab Director - Associate Professor  
MS Mathematics.........................CSUN  
BS Mathematics..........................CSU  
AS Math/Science...........................COC

MALONEY, DENA (1997)  
Dean Economic Development  
MA Government.....................Georgetown Univ.  
BA Political Science...........Loyola Marymount Univ.

MANJI, KIMI C. (2001)  
Music - Assistant Professor  
MA Music...............................Kansas State Univ.  
BA Music Education.............Humboldt State Univ.  
BA Music...............................Univ. of Washington

MAPLE, CHELLEY (2001)  
Director of Matriculation - Assistant Professor  
PhD Anthro.................................UCLA  
MA Counselor Education..............USC  
MA Anthro.................................UCLA  
BA Psychology............................CSUN

MARCELLIN, PHILIP (1998)  
Physical Education - Head Soccer  
Coach/Associate Professor  
MEd Education/Physical Ed./Athletic Admin.........Univ. of Toledo, OH  
BS Physical Education-Teaching/Coaching...............Cal Poly SLO

MARSHALL, MONICA (1999)  
Instructor  
AS Child Development.......................COC

MARTIN, JOSÉ F. (2001)  
Spanish - Assistant Professor  
PhD Spanish Literature...............UC Irvine  
MA Spanish..............................UC Irvine  
BA Social Work......................Univ. of Maryland

MAXWELL, ROBERT (2001)  
Accounting - Assistant Professor  
MBA Marketing......................Wichita State Univ.  
BA Accounting.....................Wichita State Univ.

MC KIMMEY, GLORIA NANCY (1976)  
Computer Information Technologies - Professor  
MS Business Administration.................CSUN  
BA Business Education..................CSUN

MCMAHAN, MICHAEL (2000)  
Div. Dean Fine Arts & Humanities  
PhD Philosophy........................Claremont Grad Univ.  
BS Mathematics....................Cal Poly U Pomona  
BA Philosophy........................CSU LA
FACULTY

MICHAELIDES, ANTHONY (2001)
Director of Career Services
MS Psychology ......................................CSU LA
BA Behavioral Science ......Cal Poly U Pomona

MINARSCHE, DOROTHY (1999)
CAD/Drafting/Interior Design - Associate
Professor
AS Interior Design ......Mt. San Antonio College
BFA Interior Design ......American InterContinental University

MOHNEY, LEN (1986)
Div. Dean Physical Education & Athletics
M Ed Azusa Pacific Univ.
BA Physical Ed ......................................CSUN
AA COC

MOOS, FLOYD A. (1990)
English - Professor
EdD Higher Education ...Nova Southeastern Univ.
MA English Education ...................CSUN
BA English ........................................UCLA

MOREY, DIANE (1999)
Nursing - Associate Professor
MSN Nursing .......................Cal State Dominguez Hills
BS Health Science ......................CSUN
BSN Nursing .......................Cal State Dominguez Hills
AA Nursing .......................LA Pierce College

MORRIS, ANITA (1997)
Dean of Human Resources
MPA ........................................Univ. of San Francisco
BA ............................................CSU Sacramento

MORROW, DENNIS PAUL (1983)
Mathematics - Professor
MA Mathematics ..................................UCLA
BA Mathematics ..................................UCLA

MOSLEH, MAJID (2001)
Political Science - Assistant Professor
PhD Political Science ......................USC
MA Political Science ......................USC
BA Political Science/World Politics ....CSULA

MUCHA, GREGORY (1999)
Mathematics - Assistant Professor
MS Mathematics .........................Purdue Univ.
BS Mathematics .........................Indiana Univ.

NISHIYAMA, GREGORY (2000)
Biology - Assistant Professor
MS Biology .......................................UCSC
BS Biological Sciences ....................UC Irvine

OTOO, SAMUEL (1992)
ESL - Professor
EdD Higher Education ...Nova Southeastern Univ.
MA Tesol .........................William Carey Int'l Univ.
MA Ed.......................Point Loma Nazarene College - San Diego
MA Tesol Biola Univ.
BA English ...............Univ of Cape Coast Ghana

PATENAUDA, ROBERT A. (1983)
Mathematics - Professor
PhD Mathematics .............Calif Inst. of Tech
MA Mathematics ..............Syracuse Univ.
BA Mathematics ............Humboldt State

PELKEY, MARTIN BRUCE (1988)
Director International Students Program - Professor
EdD Higher Education ...Nova Southeastern Univ.
MS Educational Psychology ...........Cal Lutheran
MA European History .......................CSUN
BA History/Geography .......................CSUN

PENNINGTON, SHERRILL (1999)
History - Assistant Professor
MA History ......................Columbia Univ.
BA Secondary Education ..........Univ. of Missouri
BA History & Asian Studies ..Northwestern Univ.

Physical Education/Speech/Cinema - Professor
MA Speech Communication ................CSUN
BS Speech CommunicationSt. Cloud State Univ.
AA Gen Ed ......................North Hennepin Community College

POWELL, CAROLYN S. (1997)
Counselor - Associate Professor
MS Psychology .........................CSULA
BA Psychology .........................CSUN
AA LA Valley

PRIEST, MICHELLE (1999)
Biology - Assistant Professor
MA Biology .........................CSU Fullerton
BS Biology .........................UCLA

RAFTOR, MARK STEPHEN (2000)
Psychology - Assistant Professor
MA Psychology .........................Cal State San Bernardino
BA Psychology .........................UC Riverside
RAPOSE, KENNETH JOHN (2000)
Manufacturing Tech - Assistant Professor
AA  Business ................................................COC

REYNOLDS, BRADLEY M. (1977)
History - Professor
PhD  History ................................................USC
MA  History ................................................USC
BA  History & Political Science ..................UCLA

RICHARDSON, RUSSELL C. (1987)
Political Science - Professor
EdD  Higher Education ...............................Texas Tech Univ.
MA  Political Science ..........................Western Kentucky Univ.
BS  Business Admin............Western Kentucky Univ.

RIVEIRA, DEANNA (2001)
Psychology - Assistant Professor
MA  Clinical Psychology ..........................Pepperdine Univ.
BA  Psychology ........................................Univ of Hawaii

ROBINSON, PATRICIA (1999)
Sociology - Associate Professor
PhD  Sociology ........................................UC Davis
MA  Sociology ........................................CSUN
BA  Sociology ........................................CSUN

ROSE, BETTY B. (1986)
Biology - Professor
MS  Biology ............................................CSUN
BS  Biology ............................................CSUN
AA  Gen Ed .........................Glendale Community College

RUEBSAMEN, JAMES (1999)
Journalism - Assistant Professor
MA  Teaching of Journalism ...........Pepperdine Univ.
BA  Journalism ........................................Univ of Missouri

Counselor - Assistant Professor
MS  Counseling .................................San Diego State Univ.
BA  Psychology ......................................San Diego State Univ.
AA  Applied Arts .................................San Diego MESA Community College

SHANKS, SYDNEY (1990)
Mathematics - Professor
MS  Mathematics ...................................CSUN
BA  Mathematics ...................................UCLA

SHEPHERD, REBECCA E. (1996)
Psychology - Associate Professor
MA  Psychology ..................................Univ of Nebraska
BA  Psychology ...................................UC Davis

SHERARD, TRACEY (2001)
English - Assistant Professor
PhD  Philosophy .................................Washington State Univ.
MA  English .........................................San Francisco State Univ.
BA  English ........................................CSU Fresno

SIONKO, DIANE (2000)
Business Assistant Professor E-Commerce
MBA  Mgmt ........................................UCLA
BA  History .........................................Univ. of Buffalo

SMITH, NANCY (2000)
Div. Dean Social Science & Business
EdD  Higher Education ................................UCLA
MS  Community College Counseling ........CSU LA
BS  Biology .........................................Univ. Arizona

SMITH, PHYLISE (1999)
Dance - Associate Professor
MA  Dance ........................................UCLA
MA  Public and Social Affairs ..........UC Santa Barbara
BA  Political Science ........................Univ of Santa Barbara

SOFIAN, SHEILA (2001)
Animation - Assistant Professor
MA  Fine Arts ..............................California Inst. of the Arts
BFA  Rhode Island Sch of Design

SPILKER, BETTY (1969)
English - Professor
MA  English ........................................UCLA
BA  English ........................................UCLA

ST. MARTIN, LESLIE (2000)
English - Assistant Professor
PhD  English ....................................Univ of Hawaii-Manoa
MA  Folklore & Mythology .........................UCLA
BA  English ........................................UCLA

STANICH, DIANA L. (1987)
Physical Education - Professor
MA  Physical Ed/Dance ..................CSU Long Beach
MBA  ........................................Univ. of LaVerne
BS  Kinesiology/Dance .........................UCLA

STEPHENS, CINDY (2001)
FS & ECE - Assistant Professor
MS  Counseling ................................CSUN
BA  Child Development ........................CSUN
AA  Interdisciplinary Studies ..............LA Valley
FACULTY

STEVENSON, DAVID (1999)
Speech - Assistant Professor
MA Rhetoric & Public Address ........ CSU Chico
BA Broadcasting ......................... CSU Chico

STEWART, DIANE (2001)
Dir. Family Studies & ECE
MA Human Development .......... Pacific Oaks College
AA Early Childhood Ed .......... San Jose City College

STROZER, ALAN (2000)
Computer Information Technology - Assistant Professor
MS Electronic Commerce .......... National Univ.
BA Psychology ......................... UCLA

SU, BOO (2001)
Economics - Assistant Professor
PhD Economics .................. Michigan State Univ.
MA Economics .............. Michigan State Univ.
BA Economics .................. Korea Univ.

TAJEDA, DONALD (1972)
Biology - Professor
MS Biology ......................... CSU LA
BS Biology ......................... CSU LA

TEMPLER, LEA (1985)
Economics - Professor
MA Economics ....................... CSUN
BA Economics ....................... Cal State LA

TOLAR, ROBERT A. (1988)
Mathematics - Professor
PhD Mathematics Education .......... Texas A & M
MA Mathematics ................... Univ. of Texas
BS Mathematics .................... Lamar Univ.

TREXEL, LINDA (2001)
Mathematics - Instructor
MA Math ......................... CSUN
BS Math ......................... UC Irvine

TRIPP, CONNIE (2001)
History - Instructor
MA History ......................... CSUN
BS History ......................... CSUN

TUJAGUE, GARETT (1998)
Counselor & Assist Football Coach - Associate Professor
MA Educational Counseling .......... Univ. of Redlands
BS Recreation Mgmt ........ Brigham Young Univ.

UESUGI, ISAO (1997)
Librarian-Technical Services - Associate Professor
PhD Government ........ Claremont Graduate School
MA Political Science ................. CSU Hayward
MLS San Jose State Univ.
BA Political Science ................. CSU Hayward

VALENZIANO, VICKIE (2001)
Nursing - Assistant Professor
MS Nursing ......................... CSU Dominguez Hills
BSN Nursing ......................... CSU Dominguez Hills
AA Nursing ......................... LA City College
AA Medical Assisting ................ LA Valley College

VALENZUELA, CAMILLA (2001)
CD Site Director - Assistant Professor
BA Child Development ................. CSUN

VAN HOOK, DIANNE G. (1988)
Superintendent-President
EdD ..................................... Univ. of La Verne
MS ..................................... Univ. of La Verne
BA ..................................... CSU Long Beach
AA ..................................... Long Beach City College

VARGA, JOHN (1999)
History - Assistant Professor
MA History ......................... CSUN
BA History ......................... CSUN

VILLA, CHRISTOPHER (2000)
Assoc. Dean Student Services
MPA USC
BA Social Ecology ......................... UC Irvine

VISNER, JULIA GOULD (1985)
Counselor - Professor
MA Educational Psychology .......... CSUN
BA Psychology ......................... CSUN

WALDON, RUSSELL (2000)
Business /Business Law - Assistant Professor
JD Univ. of Notre Dame
BBA Bus. Admin-International
Fin & Mrktg ......................... Univ. of Miami, FL

WALKER, ROBERT M. (1991)
Art - Professor
MFA Art ................................. UC Irvine
BA Biology ......................... Loma Linda Univ.
WALLACE, LISA (2000)
English - Assistant Professor
PhD English ............................................UC Irvine
MA English ............................................UC Irvine
BA English ............................................UC Irvine
BA Spanish ............................................UC Irvine

WATKINS, DIANA (1999)
Interim Director, University Center
EdD Computing & Info Tech .......................Nova Southeastern Univ.
MEd Adult Ed .....................................Univ. of Arkansas
BA Anthropology ........................................UCLA

WILDING, MICHAEL (1997)
Dean Student Services
EdD Education ......................................UCLA
MA Recreation & Leisure Studies ..............CSUN
BA Anthropology ........................................CSUN

WILLIAMS-PAEZ, PAMELA (2001)
Sociology - Assistant Professor
MA Sociology .....................................Univ. of Washington
MA Theology .........................................Fuller Seminary, Pasadena
BS Religious Studies..........................Multnomah College, OR

WOLF, JAMES REAGON (2000)
Biology Assistant - Professor
MS Biology ............................................CSUN
BA Biology-Environmental ....................CSUN

WRIGHT, STANLEY RAY (2000)
Cooperative Work Experience
CWEE-Director - Assistant Professor
MBA Management.................................Golden Gate Univ
BS Business Admin/Economics Univ. of LaVerne

WUTKEE, WINSTON B. (1971)
Geography/Geology - Professor
MA History .........................................CSU LA
BA Spanish ............................................UCLA

PROFESSORS EMERITI
Alduino Adelini ........................................Counseling
William Baker ........................................Theatre/Speech
James Boykin* ......................................Biological Sciences
Carl Buckel ...........................................Business/Cooperative Work Experience
Richard Clemence ................................Administration of Justice
Ted Collier* ...........................................Political Science
Doris Coy .............................................Economics
P. Carter Doran ......................................Instruction
Robert Downs* ........................................Music
John Drislane* ........................................English
Robert Gilmore ......................................Counseling
George Guernsey ....................................Mathematics
Mildred Guernsey ..................................Mathematics
Irene Gunshinan ..................................Child Development
Violet Hamilton ....................................Counseling
Donald Heidt ......................................English/German/Philosophy
Mary Heidt ...........................................Nursing Science
Donald Hellrigel ...................................Foreign Languages
Elfie Hummel .......................................Foreign Languages
Walter Lebs ..........................................Drafting
Betty Lewis ..........................................Nursing Science
Betty Lid ..............................................English
Rebecca Lord .........................................English
Helen Lusk* ...........................................Nursing Science
Norman Mouck .....................................Mathematics
Robert Seippel ......................................Electronics
Lee Smelser ..........................................Physical Education
Dale Smith ..........................................Sociology
Mary Enos Smith ...................................Nursing
Virginia Soriano ....................................Nursing
Sylvia Sullivan .....................................CAD/ Drafting
Gretchen Thomson ..................................History
Marilyn Van Aken ..................................Student Health Center
Fran Wakefield .....................................Counseling
Joan Waller ..........................................Child Development
Stanley Weikert ...................................Accounting/Business

*Deceased
Regulations and Policies
EQUAL EDUCATION AND EMPLOYMENT OPPORTUNITY

The Santa Clarita Community College District subscribes to and promotes the principles and implementation of equal opportunity. Pursuant to the provisions of state and federal law, the District’s Board of Trustees has adopted policies and procedures ensuring that its programs and activities are available to all persons without regard to race, color, religion, national origin, ancestry, sex, age (over 40), medical condition (cancer), mental disability, physical disability (including HIV and AIDS), marital status, sexual orientation, or Vietnam Era veteran status. Both the policy and procedure apply to students, employees and applicants.

The Santa Clarita Community College District is committed to implementing the concept, intent, and spirit of providing equal employment and educational opportunity to all persons. Positive action will be taken by the administration, faculty, staff and students to ensure the implementation of this policy and to overcome any form of exclusion or discrimination, whether purposeful or inadvertent.

Additional information on these policies and procedures is available in the District’s Equal Employment Opportunity Office (Human Resources) Building X-6; (661) 362-3424; TTY (661) 362-5426

Non-discrimination Policy

The Santa Clarita Community College District does not discriminate on the basis of race, color, religion, national origin, ancestry, sex, age (over 40), medical condition (cancer), mental disability, physical disability (including HIV and AIDS), marital status, sexual orientation, or Vietnam Era veteran status in any of its policies, procedures, or practices, in compliance with Title VI and Title VII of the Civil Rights Act of 1964, as amended by the Civil Rights Act of 1991, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Age Discrimination in Employment Act of 1967, the Americans with Disabilities Act of 1990, the California Fair Employment and Housing Act, the Unruh Civil Rights Act, the Sex Equity in Education Act, and Assembly Bill 803 of 1977.

Inquiries regarding Federal laws and regulations concerning nondiscrimination in education or the District’s compliance with those provisions may also be directed to the Office of Civil Rights, U.S. Department of Education, 50 United Nations Plaza, Room 239, San Francisco, CA 94102.

Aviso de Ley de Anti-discriminación

El distrito universitario de Santa Clarita no discrimina por motivo de raza, color, religión, nacionalidad, sexo, edad (más de 40), condición médica (cáncer), incapacidad mental o física (incluyendo VIH y SIDA), estado civil, orientación sexual o veteranos de la época de Vietnam en ninguna de sus políticas o prácticas de acuerdo con Title VI and Title VII of the Civil Rights Act of 1964, as amended by the Civil Rights Act of 1991, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Age Discrimination in Employment Act of 1967, the Americans with Disabilities Act of 1990, the California Fair Employment and Housing Act, the Unruh Civil Rights Act, the Sex Equity in Education Act, and Assembly Bill 803 of 1977.

Este plan anti-discriminatorio incluye licencia médica por circunstancias de índole familiar y de maternidad. Se refiere en particular al ingreso, acceso, así como a la aplicación y empleo de los programas y actividades de dicha institución incluyendo educación vocacional.

Para mayor información sobre esta ley, reclamos judiciales o para simplemente solicitar una copia de dichos procesos, favor de comunicarse con la directora de Personnel Services, Anita Morris, Building X-6, 26455 Rockwell Canyon Road, Santa Clarita, CA 91355; teléfono (661) 362-3424.

College of the Canyons hace suyas las obligaciones con respecto a proveer acceso total a personas inca-
SEXUAL HARASSMENT POLICY

I. POLICY STATEMENT

The Santa Clarita Community College District is committed to creating and maintaining an academic and work environment in which all persons who participate in District programs and activities can work together in an atmosphere free of sexual harassment, exploitation, or intimidation, and that values and protects individual dignity and the academic process. Sexual harassment is unlawful and undermines the atmosphere of mutual trust and respect necessary for an effective learning and working environment and hinders the District's ability to fulfill its academic mission. Toward this end, all members of the college community must understand that sexual harassment, sexual discrimination, and sexual exploitation of professional relationships violate the District's policy and will not be tolerated. The District will take every step to resolve complaints promptly and will institute disciplinary proceedings against persons found to be in violation of this sexual harassment policy. For faculty and staff members, such proceedings may result in a range of sanctions, up to and including termination of District affiliation. Students who violate this policy may be subject to disciplinary measures up to and including expulsion.

II. APPLICABILITY

This policy applies to all applicants for employment and admission to District programs, officers and employees of the District, students, and persons who serve the District as its agents and are under the control of the District. It applies to all aspects of the academic environment, including but not limited to classroom conditions, grades, academic standing, employment opportunities, scholarships, recommendations, disciplinary actions, and participation in any District activity. In addition, this policy applies to all terms and conditions of employment including but not limited to hiring, placement, promotion, disciplinary action, layoff, recall, transfer, leave of absence, training opportunities and compensation. Specific adherence to this policy shall also be made an express term of every contracted services agreement entered into by the District.

III. LEGAL AUTHORITY

Sexual harassment is a form of sex discrimination which is prohibited by Title VII of the Civil Rights Act of 1964 (as amended by the 1991 Amendments to the Civil Rights Act), by Title IX of the Education Amendments of 1972, the California Fair Employment and Housing Act (FEHA), and California Education Code. Santa Clarita Community College District's Unlawful Discrimination and Affirmative Action Policy also prohibits sex discrimination.

IV. DEFINITION

Sexual harassment may involve the behavior of a person of either sex against a person of the opposite or same sex, and occurs when such behavior constitutes unwelcome sexual advances, unwelcome requests for sexual favors, and other unwelcome verbal or physical behavior of a sexual nature where:

1. Submission to such conduct is made either explicitly or implicitly a term or condition of an individual’s employment, academic status, or progress;

2. Submission to, or rejection of, such conduct by an individual is used as the basis of employment or academic decisions affecting the individual’s welfare;

3. Such conduct has the purpose or effect of unreasonably interfering with an individual’s welfare, work or academic performance, or creates an intimidating, hostile, offensive, or demeaning work or educational environment; or

4. Submission to, or rejection of, the conduct by the individual is used as the basis for any decision affecting the individual regarding benefits and services, honors, programs, or activities available at or through the community college.

A third party may also file a complaint under this policy if the sexual conduct of others in the work or educational environment has the purpose or effect of unreason-
Examples of Prohibited Behavior

Prohibited acts that constitute sexual harassment may take a variety of forms. Examples of behavior generally viewed as sexual harassment when they are unwelcome include, but are not limited to:

1. **Verbal:** Inappropriate or offensive remarks, slurs, jokes, or innuendoes based on sex. This may include, but is not limited to, inappropriate comments regarding an individual's body, physical appearance, attire, sexual prowess, marital status or sexual orientation; sexually suggestive or insulting sounds or gestures, including sucking noises, winking, and throwing kisses; unwelcome flirting or sexual propositions, invitations or solicitations; demands for sexual favors; verbal abuse, threats or intimidation of a sexual nature (direct or indirect threats or bribes for unwanted sexual activity); or sexist, patronizing or ridiculing statements that convey derogatory attitudes about a particular gender.

2. **Physical:** Inappropriate or offensive touching, assault, or physical interference with free movement. This may include, but is not limited to, kissing, patting, stroking, lingering or intimate touches, grabbing, pinching, leering, squeezing, staring, unnecessarily brushing against or blocking another person, whistling, sexual gestures, or giving a neck or shoulder massage. In addition to stalking (either inside or outside the institution), and attempted or actual sexual assault.

3. **Visual or Written:** The display or circulation of offensive sexually-oriented visual or written material. This may include, but is not limited to, objects, pictures, posters, cartoons, calendars, drawings, graffiti, video tapes, audio recordings, literature, computer graphics, electronic media transmissions or other materials with sexual content.

4. **Environmental:** An academic or work environment that is permeated with sexually-oriented talk, innuendoes, insults or abuse not relevant to the subject matter of the class or employment. A hostile environment can arise from an unwarranted focus on sexual topics or sexually suggestive statements in the classroom. An environment may be hostile if unwelcome sexual behavior is directed specifically at an individual or if the individual merely witnesses unlawful harassment in his or her immediate surroundings. The determination of whether an environment is hostile is based on the totality of the circumstances, including such factors as the frequency of the conduct, the severity of the conduct, whether the conduct is humiliating or physically threatening, and whether the conduct unreasonably interferes with an individual's learning or work. This may include, but is not limited to, consensual sexual relationships.

Romantic or sexual relationships between supervisors and employees, or between faculty or staff members and students are discouraged. There is an inherent imbalance of power and potential for exploitation in such relationships. A conflict of interest may arise if the faculty or staff member must evaluate the student's work or make academic decisions affecting the student or if a supervisor must evaluate the performance of an employee. The relationship may create an appearance of impropriety and lead to charges of favoritism by other students or other employees. A consensual sexual relationship may change, with the result that sexual conduct that was once welcome becomes unwelcome and harassing. By definition, sexual harassment is not within the course and scope of an individual's employment with the District.

Sexual harassment may occur between peers. Unwelcome sexual behavior between peers under this definition is unacceptable in the District.

Examples of harassment can include, but are not limited to, all of the behaviors described above as well as the following behaviors:

- leaving obscene messages on campus computers;
- creating a sexually demeaning atmosphere, such as displaying posters and pictures that are sexist or otherwise demeaning to females or males;
- unwelcome touching and grabbing;
- persistent unwanted sexual attention, such as continually asking a person for a date after the person has indicated no interest;
· whistling or yelling obscenities at people walking by, or loudly discussing their sexual attributes and rating them;
· threatening rape;
· mooning, whereby individuals expose their buttocks aggressively;
· exposing one's genitals;
· "streaking" - running naked in front of others;
· "sharking" - biting breasts, buttocks, or other private body parts; · shouting obscenities;

The aforementioned lists of behaviors should be used to assist in identifying offensive behaviors but in no way should be construed as exhaustive lists of unacceptable acts. In determining whether the alleged conduct constitutes sexual harassment, consideration should be given to the records of the incident or incidents as a whole and to the totality of the circumstances, including the context in which the alleged incidents occurred.

This definition recognizes two categories of sexual harassment:

1. "Quid pro quo" sexual harassment occurs when a person in a position of authority (supervisor and subordinate or teacher and student) makes educational or employment benefits conditional upon an individual's willingness to engage in or tolerate unwanted sexual conduct. (Please note: the relationship may be an indirect one where the harasser has the power to direct others who have authority over the victim.) The perpetrator's intent or lack of intent to harass is not relevant to the determination of whether quid pro quo harassment occurred.

2. "Hostile environment" sexual harassment occurs when unwelcome conduct based on sex is sufficiently severe or pervasive so as to alter the conditions of an individual's learning or work environment, unreasonably interfere with an individual's academic or work performance, or create an intimidating, hostile, or abusive learning or work environment. The victim must subjectively perceive the environment as hostile, and the harassment must be such that a reasonable person of the same gender would perceive the environment as hostile. The determination of whether an environment is "hostile" must be based on all of the circumstances. These circumstances could include the frequency of the conduct, its severity, and whether it is physically threatening or humiliating. As with quid pro quo harassment, the perpetrator's intent or lack of intent to harass is not relevant to the determination of whether hostile environment harassment occurred.

V. SEXUAL RELATIONSHIPS AND PROFESSIONAL CONDUCT

The basic reasons for which a community college district exists are the discovery and transmission of knowledge, activities which are founded upon the free and open exchange of ideas. Such activities flourish only in a climate uncluttered by exploitation, coercion, intimidation or reprisal. In order for productive learning and the work that supports it to occur, certain conditions should prevail on campus. It is for these reasons that members of the college community - faculty, students and staff personnel - should pursue their responsibilities guided by a strong commitment to basic ethical principles and professional codes of conduct.

Primary responsibility for maintaining high standards of conduct resides especially with faculty and supervisors, since they exercise significant authority and power over others. If the highest standards of professional conduct are to be maintained, however, all responsible members of the community of learning should understand that sexual advances or comments by a faculty member or supervisor toward one of his or her students or employees may constitute unprofessional conduct. Such unprofessional conduct blurs professional boundaries, interferes with a climate conducive to the open exchange of ideas between persons, subverts the normal structure of incentives that spurs work and learning, and interjects attitudes and pressures which may undercut the basic reasons for which the District exists. In such cases, objectivity may be compromised or destroyed and competent evaluation threatened.

VI. PROHIBITED SUPERVISORY OR MANAGERIAL BEHAVIOR

1. No supervisor, manager, administrator, or other authority figure may condition any employment, employee benefit or continued employment in the District on an applicant's or employee's acquiescence to any of the sexual behavior defined above.
2. No supervisor, manager, administrator, or other authority figure may retaliate against any applicant, or employee, or student because that person has opposed a practice prohibited by the Title VII of the Civil Rights Act of 1964 or the California Fair Employment and Housing Act or has filed a complaint, testified, assisted or participated in any manner in an investigation, proceeding or hearing conducted by an authorized investigatory agency.

3. No person shall destroy evidence relevant to an investigation of sexual discrimination.

Behavior Prohibited by All Persons

1. No supervisor, manager, administrator, faculty member, student, or any other person in the District shall create a hostile or offensive work environment for any other person by engaging in any sexual harassment or by tolerating it on the part of any employee or student.

2. No supervisor, manager, administrator, faculty member, student, or any other person in the District shall assist any individual in doing any act which constitutes sexual discrimination against any employee or student of the District.

VII. RESPONSIBILITIES

A. College Community - Faculty, Students or Staff Personnel

If faculty, students or staff personnel believe that they have been subjected to sexual harassment or any unwanted sexual attention, they should:

- If possible communicate the unwelcomeness of the behavior to the harasser.
- If practical, communicate to their supervisor (or instructor) that unwelcome sexual behavior has occurred. However, under no circumstances shall a faculty member, student or staff personnel of the District, who believes that s/he has been the victim of sexual harassment by their supervisor (or instructor) be required to first report that harassment to their supervisor (or instructor).
- Make a written record of the date, time, and nature of the incident(s) and the names of any witnesses; and
- Report the incident to the District's Affirmative Action Officer, supervisor, or appropriate District officer.
- Cooperate with any investigation of any alleged act of sexual harassment conducted by the District or by an appropriate state or federal agency.

B. Administrators, Managers and Supervisors

Administrators, managers and supervisors must deal expeditiously and fairly with allegations of sexual harassment within their division/office whether or not there has been a written or formal complaint. Administrators, managers and supervisors must:

- Act promptly to investigate sexual harassment or inappropriate sexually oriented conduct;
- Ensure that harassment or inappropriate sexual behavior is reported to an appropriate administrator or directly to the District's Affirmative Action Officer;
- Take corrective action to prevent prohibited conduct from reoccurring;
- Follow-up, as appropriate, of any reported incident of sexual harassment to determine whether the victim has been subjected to any further forbidden conduct;
- Immediately inform the District's Affirmative Action Officer at any time they learn that employment or other benefits have been withheld or denied as a consequence of sexual harassment, and shall take steps to rectify any harm suffered by the victim.

Administrators, managers and supervisors who knowingly allow or tolerate sexual harassment are in violation of this policy and subject to discipline.

C. Faculty

Faculty members must deal expeditiously and fairly with allegations of sexual harassment observed within their classrooms or on campus whether or not they are reported to them. Faculty members must:
· Ensure that harassment or inappropriate sexually oriented conduct is reported to an appropriate administrator or directly to the District’s Affirmative Action Officer.

· Discuss sexual harassment policy with their students, as appropriate. Students should be informed of their rights under this policy.

D. All Employees

All employees of the District shall:

· Report any conduct, including that directed toward a student, which fits the definition of sexual harassment, to their immediate supervisor or appropriate authority figure. This includes conduct of non-employees, such as sales representatives or service vendors.

VIII. NON-REPRISAL

No faculty, administrator or staff, applicant for employment, student, or member of the public may be subject to restraint, interference, coercion or reprisal for action taken in good faith to seek advice concerning a sexual harassment matter, to file a sexual harassment complaint, testify, assist or participate in any manner in the investigation, proceedings, or hearing of a sexual harassment complaint.

IX. MALICIOUS, FALSE ACCUSATIONS

A complainant whose allegations are found to be both false and brought with malicious intent will be subject to disciplinary action which may include, but is not limited to, informal reprimand, formal reprimand, demotion, transfer, suspension, or dismissal.

X. CONFIDENTIALITY

District administrators will make every reasonable effort to conduct all proceedings in a manner which will protect the confidentiality of all parties. Information will be revealed strictly on a need-to-know basis. All parties to the complaint should treat the matter under investigation with discretion and respect for the reputation of all parties involved.

STUDENT GRIEVANCE POLICY

In the pursuit of academic ends, the student should be free of unfair or improper action by any members of the academic community. A grievance may be initiated by a student when it is believed she/he has been subject to unjust action or denied rights as stipulated in published college regulations, state laws, or federal laws. Such action may be instituted by a student against another student, a faculty member, or an administrator. When a student believes an injustice has been done, the student may seek redress through the following policy and procedures.

Note: Complaints involving alleged discrimination on the basis of race, color, national origin, sex, age, religion or disability should be submitted under the discrimination complaint procedure below.

Students may initiate a grievance for any of the following actions:

1. Prejudicial or capricious action in the evaluation of the student’s academic performance. Such grievances may be referred to the chief instructional officer.

2. Acts or threats of intimidation, harassment, or physical aggression. Such grievances may be referred to the Dean, Student Services.

3. Arbitrary action or imposition of sanctions without proper regard for academic due process as specified in published College rules and regulations. Such grievances may be referred to the Dean, Student Services.

Procedure to File Grievances Preliminary Action

1. Not later than twenty (20) school days after a student believes an injustice has been done, she/he shall first attempt to resolve the grievance by informal consultation with the following persons, preferably in sequence:

   a. Student, faculty member, or administrator concerned,

   b. Coordinator, Student Activities,

   c. Dean, Student Services,

   d. Chief instructional officer where an academic grievance is concerned.

2. Within ten (10) school days, if the student still believes that the issue has not been resolved by informal consultation, the student may submit a signed statement specifying the time, place, and nature of the grievance to the Dean, Student
Services or chief instructional officer, as appropriate, who shall arrange for the meeting of a hearing committee to consider the grievance.

Formal Hearing
1. The Superintendent-President, the Chairperson(s) of the Academic Senate and the President of the Associated Students shall form a hearing committee within five (5) school days as follows:
   a. Two faculty members and two alternates, three students and three alternates, one administrator and one alternate.
   b. Six students and three alternates or the existing Student Judiciary, in cases where only students are involved, if the parties so desire.
   c. Committee members shall select one of their members as chairperson. The chairperson shall have the privilege of voting on all issues.
2. The President of the Associated Students shall notify each party of the membership of the committee within five (5) school days. Each party shall be allowed one peremptory challenge and two challenges for cause. Challenges will be communicated to the President of the Associated Students. Released members will be replaced by alternates.
   a. Legitimacy of challenges for cause against faculty members shall be decided by the Chairperson(s) of the Academic Senate.
   b. Legitimacy of challenges for cause against students shall be decided by the President of the Associated Students.
   c. Legitimacy of a challenge for cause against an administrator shall be decided by the Superintendent-President.
3. The hearing committee shall conduct its proceedings according to academic due process standards.
4. Hearings shall be closed and confidential unless it is the request of all parties that a hearing be open to the public.
5. The hearing committee shall submit its findings of fact and recommendations to both parties and the Student Judiciary (when only students are involved) for Associated Students' constitutional review.
6. The findings of fact and recommendations, along with any judicial review, will be sent to the Superintendent-President no later than twenty (20) school days from the formation of the formal hearing committee.

Final Action
1. Upon receiving the findings and recommendation of the hearing committee and after consultation as requested by either party, the Superintendent-President may accept or reject the committee recommendation within five (5) school days.
2. If the Superintendent-President rejects the committee recommendation, the Superintendent-President shall submit the decision with stated reasons to the hearing committee within five (5) school days.
3. The Superintendent-President shall transmit the decision to both parties, the Chairperson(s) of the Academic Senate and the President of the Associated Students. The Superintendent-President shall submit a report on the matter with the decision to the Board of Trustees.

Appeal
Either party may appeal within five (5) days the Superintendent-President's decision, either in writing or by appearance to the Board of Trustees. Within fifteen (15) days after submission of the appeal, the Board of Trustees shall complete its review of the record and make a final determination of the matter.

DISTRICT POLICIES GOVERNING STUDENT RIGHTS AND RESPONSIBILITIES
Introduction
The California Education Code (section 66300) requires every community college governing board to adopt specific rules governing student behavior along with applicable penalties for violation of such rules. Students enrolling at College of the Canyons assume an obligation to abide by all College regulations.
Grounds for Disciplinary Action

A student may be disciplined for one or more of the following causes which must be College/District related. This list is not intended to be exhaustive, but are examples of good and sufficient causes for disciplinary action.

A. Any theft, conversion, or damage or destruction of and/or to any property, real or personal, belonging to the College, a member of the College staff, a student, or a campus visitor.

B. Forgery, alteration or misuse of College documents, keys, records or identification, or knowingly furnishing false information to a college.

C. Cheating, plagiarism, fabrication, and other forms of academic dishonesty, and/or facilitating academic dishonesty.

D. Physical or verbal abuse, including sexual assault, sexual harassment and stalking, or any threat of force or violence directed toward any member of the College or a campus visitor.

E. Manufacture, use, possession, distribution, or being under the influence of alcohol, narcotics, or other dangerous drugs on campus, or off campus at any College-sponsored event.

F. Unauthorized entry into, unauthorized use of, possession of, or misuse of, College property.

G. Disorderly, lewd, indecent, obscene or offensive conduct on College-owned or controlled property or at College-sponsored or supervised function.

H. Possession or use of any firearms, explosives, dangerous chemicals, or other potentially harmful implements or substances while on the College campus or at a College-sponsored function without prior authorization of the College President or designee.

I. Failure to identify oneself to or failure to comply with directions of College officials acting in performance of their duties including, but not limited to, the provisions of the Penal Code Sections 626.6 and 626.8.

J. Obstruction or disruption, on or off campus, of the College's education process, administrative process, or other College function.

K. Violation of any order of the College President, notice of which has been given prior to such violation and which order is not inconsistent with any of the other provisions of this policy. This notice may be given by publication in the College newspaper, or by posting on an official bulletin board designated for this purpose.

L. Soliciting or assisting another to do any act which would subject a student to expulsion, suspension, probation, or other discipline pursuant to this policy.

M. Abusive behavior directed toward, or hazing of, a member of the College community.

N. Any other cause not listed above which is identified as good cause by Education Code Sections 76032 and 76033.

O. Attempting to do any of the causes for disciplinary action identified above.

P. Abuse of computing facilities or computer time, including but not limited to unauthorized entry into a file to use, read, or change the contents or any other purpose; unauthorized transfer of a file; unauthorized use of another individual's identification or password; use of computing facilities to interfere with the work of another student, faculty member, or College official; and/or use of computing facilities to interfere with a College computing system. For specifics refer to the College of the Canyons Acceptable Use Agreement.

STUDENT CONDUCT-DISCIPLINARY ACTION

The following policies regulating student disciplinary actions are adopted for the purpose of providing a uniform method of disciplining students for misconduct, and assuring that all students are accorded fair and objective treatment. Every effort shall be made to make the student aware of these policies.

Types of disciplinary Action (Sanctions)

The following types of disciplinary action may be imposed, or imposed and suspended, by appropriate College authorities when a student is found in violation of College rules and regulations.

(1) Warning: Notice to the student that continuation or repetition of specified misconduct may be cause for other disciplinary action.
(2) Restitution: The student is required to make payment to the College, or to other persons, groups, or organizations for damages incurred as a result of a violation of this policy.

(3) Official Reprimand: A written reprimand is for violation of specified regulations or misconduct. It serves to place on record that a student's conduct in a specific instance does not meet with the student's expected performance at the College. A person receiving a reprimand is notified that continued conduct of the type described in the reprimand may result in additional action against the student. The student is further informed that records of reprimands are destroyed two years after the last entry has been made concerning disciplinary action against an individual student and that such records are not considered part of a student's permanent record at the College.

(4) Disciplinary Probation: Disciplinary probation is a status imposed by the College for a specific length of time during which the student must conform to College standards of conduct. Conditions restricting privileges and/or eligibility may be imposed. For example, students may be removed from all College organization offices and denied the privilege of participating in all College and student-sponsored activities, including public performances. Other conditions, such as community service and academic workshops, may be imposed. The term of disciplinary probation shall be no less than one college month nor longer than a college year. Repetition during the probationary period of conduct resulting in disciplinary probation may be cause for suspension or other, more stringent, disciplinary action.

(5) Removal by Instructor: An instructor may remove a student from his/her class when the student has interfered with the instructional process. The duration will be for the day of the removal and the next class meeting. The instructor shall immediately report the removal to the Office of Student Services for appropriate action.

(6) Disciplinary Suspension: Disciplinary suspension consists of the temporary removal of the student from enrollment in the College for both academic and extracurricular purposes. A student may be suspended from one or more classes for a period of up to ten (10) days of instruction; from one or more classes for the remainder of the school term; or from all classes and activities of the College for one or more terms. A suspended student is not to occupy any portion of the campus and is denied all College privileges including class attendance and privileges noted under “Disciplinary Probation.”

(7) Expulsion: Expulsion consists of the permanent and unconditional removal of the student from the College. Students may be expelled from the College only by action of the Board of Trustees upon recommendation of the Superintendent-President (Education Code 76030).

(8) Interim Suspension: Interim suspension consists of temporary removal of the student from the College for both academic and extra-curricular activities during the limited time necessary to complete an investigation and is not necessarily considered a disciplinary action.

Interim Suspension shall be:

(a) Imposed by the Superintendent-President of the College, or designee, pending a hearing, only when such action is deemed to be necessary for the immediate safety and welfare of the students and staff members or for the protection of the District property;

(b) Limited to only that period of time necessary to assure that the purposes of interim suspension are accomplished.

(c) For not more than a maximum of ten (10) College days. Students suspended on an interim basis shall be given an opportunity for a hearing within ten (10) days.

The hearing will be held on the following issues:

(a) the reliability of the information concerning the student's conduct,

(b) whether the conduct and surrounding circumstances reasonably indicate that the continued presence of the student on campus poses a substantial threat to the student or to others, or to the stability and continuance of normal College functions. This hearing does not preclude the initiation of regular disciplinary action.
Student Rights - Introduction
Students are members of both society and the academic community with attendant rights and responsibilities. Students are expected to comply with the general law as well as College policies. The procedures below apply to alleged misconduct of students on campus, or at official College events off campus. The following procedures outlined in sections 531.2 through 531.5 represent the steps that may be employed to reach a resolution in cases of alleged misconduct. The reader should note that each case is handled individually and that while due process is always employed, some of the procedures outlined below may not be necessary in every case. Questions concerning these procedures should be addressed to the Office of the Dean of Students.

Definition of Terms
Student: The term "student" means an individual for who:

1. is enrolled in or registered with an academic program of the College;
2. has completed the immediately preceding term and is eligible for re-enrollment, including the recess periods between academic terms.

Notice: Whenever this Policy requires giving notice to any student, mailing such notice, to the mailing address most recently provided by the student or, if undeliverable at that address, to the student's permanent address of record, shall constitute notice.

Days: For purposes of this Policy, the term "days" means normal business days and shall not include Saturdays, Sundays, or administrative holidays.

Student Conduct Committee: This committee consists of five members of the campus community who convene as needed to adjudicate cases of misconduct. See 531.4 for additional information.

Due Process
A. Referral of Cases:

Any member of the campus community who has knowledge of alleged misconduct of students may bring the matter to the attention of the Dean of Student Services. The Dean may require a written statement relative to the alleged misconduct. The Dean of Student Services in consultation with the Academic Senate will develop specific procedures to address alleged violations of academic and/or classroom misconduct.

Referrals to the Dean of Student Services Office shall be made within thirty days following the discovery of the alleged misconduct. The President may grant exceptions.

B. Investigation and Notice to Student:

Upon receiving notice of the alleged violation, the Dean of Student Services (or designee) may consider information acquired from a complainant and may augment that information through further investigation in order to determine if there is cause to believe that a violation may have occurred. In cases in which the Dean (or designee) determines that there is not cause to believe that a violation may have occurred, the Dean (or designee) may decide that the case will not be pursued further. If the allegation concerned academic and/or classroom misconduct, the Dean will contact the complainant to explain his or her reasoning. The complainant may appeal the decision not to pursue discipline, within 10 working days, to the Vice President of Instruction and Student Services. The Dean may refer the matter to other campus and/or community resources.

The Dean shall notify the accused student in writing of the following:

1. the nature of the alleged conduct in question, including a brief statement of the factual basis of the charges; the time, date, and place it is alleged to have occurred; and the campus regulations allegedly violated;

(a) Campus Restraining Order (CRO): In cases in which the Dean has a reasonable suspicion to believe that an alleged violation of Policy 529.2(D) and/or 529.2(M) occurred, the Dean may issue, in addition to the letter of notification, a Campus Restraining Order (CRO). The CRO shall prohibit named students from intentionally contacting, telephoning, or otherwise disturbing the peace of others specifically named for a specified period of time. A CRO shall not include a provision that terminates the accused student's status as a student, nor shall it be
construed as a finding of culpability on
the part of any student. Nevertheless,
violation of a term or condition of such
an Order may be regarded as action-
able misconduct and may subject the
student to disciplinary action without
regard to the outcome of the case that
occasioned the issuance of the CRO.

2. a copy of the student conduct procedures;
and

3. that an interview with the Dean must be
scheduled within seven (7) days for the pur-
pose of an initial hearing. The student may
waive the right to an initial hearing and
request that the matter be referred directly to
the Student Conduct Committee for a hear-
ing.

C. Placement and Notice of Hold:

In the event that the student does not contact the
Dean of Student Services Office within the seven
(7) day period, or fails to keep any scheduled
appointment, the Dean may then place a Hold on
the student's records and notify the student that
this action has been taken. Such Hold will be
removed only when the student either appears at
the Dean of Student Services Office for a sched-
uled interview, or requests in writing that the case
be referred to the Student Conduct Committee
for a hearing.

D. Initial hearing with the Dean:

The Dean of Student Services (or designee)
shall, at the initial hearing:

1. determine that the student has received a
copy of these procedures;

2. discuss confidentiality; inform the student
that the content of this and all subsequent
communications with the Office regarding
information not relevant to the case shall,
insofar as allowed by law, be treated confi-
dentially, unless such confidentiality is
waived by the student; and that information
relevant to the case may be divulged to
those who have a legitimate educational
interest;

3. describe to the student as completely as
possible the allegation, and the College poli-
cies allegedly violated, hear the student's
defense to such charges and;

4. provide the student with an opportunity to
inspect all documents relevant to the case
which are in the possession of the Dean at
the time of the hearing, and all such docu-
ments arriving after the initial hearing but
before disposition of the case by the Dean of
Students;

5. provide the student with copies of the docu-
ments relevant to the case, at the student's
request; and

6. counsel the student regarding the campus
discipline process as appropriate.

7. Students may be accompanied by any per-
son(s) of their choice at the initial hearing.

E. Disposition by the Dean of Student Services:

After meeting with the student, the Dean (or
designee) may take one of several actions:

1. Insufficient Evidence:

If the Dean concludes that there is insuffi-
cient evidence to sustain a finding of culpa-
bility, he or she may decide not to refer the
case to the Student Conduct Committee. The
complainant may still attempt to resolve the
matter through campus and/or community
resources.

In cases of alleged violations of classroom
and/or academic misconduct the Dean will
notify the complainant of this outcome (if
allowed by law). The complainant may
appeal this decision, within ten working days,
to the Vice President of Instruction and
Student Services.

2. Informal Agreement of Resolution:

In cases in which the Dean determines that an
Informal Agreement of Resolution is appropriate,
the accused student will be informed that this
Resolution, while not a part of the student's per-
manent record, is binding. If the student fails to
abide by in the Informal Agreement of Resolution,
such failure will be regarded as actionable misconduct, under District Policy 529.2(K), and may subject the student to disciplinary action by the College.

Each Informal Agreement of Resolution shall be regarded as binding within the College and may include:

(a) Direction by the Dean to the student to refrain from the behavior(s) described by the Dean and/or restrictions regarding contact with others involved in the case.

(b) Required participation by the student in educational programs and/or reconciliation processes, including mediation.

(c) Required participation by the student as an unpaid volunteer in activities that serve the College and/or community.

(d) Retention of the case file and the Informal Agreement of Resolution in the Dean of Students’ Office for one year from the date appearing on the Agreement. During that year, should the Dean have a reasonable suspicion to believe that the student has engaged in misconduct related in nature to the conduct which occasioned the Agreement, both cases may be the subject of College disciplinary action.

3. Formal Disciplinary Action:

(a) If the student does not admit culpability, and if the Dean concludes that an Informal Agreement of Resolution is not appropriate, and that there is sufficient evidence such that a Student Conduct Committee could find, by a preponderance of the evidence, that the student has violated College policy, the Dean shall refer the case to the Student Conduct Committee for a hearing.

(b) If the student does admit culpability, and if the Dean concludes that there is sufficient evidence to sustain a finding of culpability, the Dean may impose, or impose and suspend, one or more of the sanctions listed in Santa Clarita Community College District Policy 530 (excluding expulsion); moreover, the imposition of any sanction may be effective retroactively. No sanction involving separation from the College (i.e., Suspension or Expulsion) shall become official until five (5) days from the date appearing on the letter confirming the Dean’s disposition. Regardless of the action taken, the Dean shall confirm his or her disposition of the case in a written notice mailed to the student within seven (7) days of the action.

F. Appeal of the Sanction Imposed by the Dean:

If the Dean imposes a sanction of Suspension or recommends Expulsion, the student may submit a written appeal of the imposed Suspension or Expulsion to the President within five (5) days of the date appearing on the Dean’s written confirmation of his or her action. The imposition of a sanction of Suspension shall be withheld during such appeal. The President’s review of such appeal shall be in accordance with the provisions set forth in Section 531.5, The President, below. The President’s decision is final.

The Student Conduct Committee

A. The Student Conduct Committee shall provide a hearing for all cases referred to it under this Policy.

B. It is the intention of this Policy that hearings be set as soon as reasonably possible after referral to the Student Conduct Committee.

C. Hearings shall be held in accordance with generally accepted standards of procedural due process, including, but not limited to, the opportunity to present evidence in an orderly manner, and the right to examine and cross-examine witnesses. The student may be advised by any person of the student’s choice, at the student’s own expense, however, the student must represent him or herself. The Committee Chair may grant exceptions (for example pending criminal charges against the student). The Committee Chair shall rule on all questions of procedure. Evidence may be received of the sort upon which responsible persons are accustomed to rely in the conduct of serious affairs, and is not restricted to evidence admissible under the strict rules of evidence of a court of law.
D. When the hearing involves an allegation of rape, or other forms of sexual assault, evidence of the complainant's past sexual history, including opinion evidence, reputation evidence, and evidence of specific instances of the complainant's sexual conduct, shall not be admissible by the accused student unless the Committee Chair makes a specific finding of relevance after an offer of proof by the accused student. Under no circumstances is past sexual history admissible to prove consent. The offer of proof must be made and resolved by the panel before the complainant testifies.

E. No inference shall be drawn from the silence of the accused. The standard of proof to be applied in these hearings is that of a preponderance of the evidence. Hearings shall be recorded and the student shall receive, upon request, a copy of the record without charge. The record may be an audio-tape recording of the hearing.

F. The hearing shall be closed to spectators unless the student specifically requests an open hearing.

G. The Committee Chair has the right to exclude spectators from the hearing room if deemed necessary for the quiet or secure conduct of the hearing. When the hearing involves an allegation of rape or other forms of sexual assault, the hearing shall be closed to spectators except for the following:

1. The complainant shall be entitled, for support, to have up to two persons of the complainant's choice accompany the complainant to the hearing. A support person may be called as a witness, and the fact that he or she is to act as a witness shall not preclude that person's attendance throughout the entire hearing. If a support person is also a witness, the Committee Chair may require him or her to testify before the complainant. Neither of these persons shall be entitled to represent or defend the complainant. Similar rights shall be afforded the accused student.

2. The complainant shall have the right to be present during the entire hearing, notwithstanding the fact that the complainant is to be called as a witness.

H. Responsibility for Presentation of Cases:

1. At the hearing, the accused student must represent himself or herself (exceptions may be granted by the Committee Chair); however he or she may receive advice, from any person at the student's own expense. An advisor is not allowed to address the Committee directly and must conduct him or herself in an appropriate manner.

2. If the student wishes the Hearing Coordinator to direct communications concerning the case to his or her advisor, as well as to himself or herself, he or she must provide the Hearing Coordinator with such a request, including the name and address of his or her advisor, in writing.

3. The College's representative shall be the Dean of Students or the Dean's designee. The Dean may consult with Campus Attorneys.

I. Continuing Informal Resolution:

Until the Student Conduct Committee makes its report to the President, any agreement between the accused student and the Dean of Students as to the disposition of the matter shall bind all parties and terminate all proceedings.

J. Reports to the President:

Within fifteen (15) days after the conclusion of a hearing, the Committee Chair shall submit a report advising the President of:

1. the Committee's specific finding of fact;

2. whether, in the opinion of a majority of the Committee the student has violated one or more College policies; and

3. a recommendation of sanction, provided that prior to recommending any sanction, the Committee and accused student are briefed by the Dean of Students regarding sanctions imposed in similar cases, and any previous cases of misconduct by the student on file with the Dean of Student Services; and provided further that the Committee indicate the rationale for such recommendation. The President may grant an extension of time for
submission of the report for good cause shown and upon such terms as shall avoid undue prejudice to the student. Any member of the Committee may submit a minority report to the President.

K. A copy of all reports required to be submitted to the President by this Policy, including any minority reports, shall be sent to the accused student, the Dean of Student Services, and the complainant (if allowed by law), when transmitted to the President.

L. The accused student shall have seven (7) days from the date appearing on the Committee report in which to submit to the President any written argument supporting the student's position.

M. If an accused student does not meet with the Dean and/or does not appear at the hearing, or has withdrawn from the College while subject to pending disciplinary action, the case may proceed to disposition without the student's participation.

The President

A. Decision by the President:

The final decision regarding the case shall be made by the President except in cases which:

1. are resolved by the Dean of Students, and no written appeal is made by the student;

2. include a recommendation for expulsion.

B. Bases for Decision:

The President shall base his or her decision upon:

1. the reports submitted by the Student Conduct Committee;

2. counsel solicited from the Dean, regarding sanctions imposed in similar cases, and any previous cases of misconduct by the student on file with the Dean of Student Services Office.

C. Sanctions:

The President may decide to impose, or impose and suspend, one or more of the sanctions listed in Section 530, with the exception of expulsion (discussed below). The President is not limited to those sanctions imposed by the Dean, or to those recommended by the Student Conduct Committee, even though such decision may result in an decrease of the student's penalty; moreover, the imposition of any sanction may be effective retroactively.

D. Recommendation for Expulsion:

Should the Dean, President, or President's designee recommend a sanction of expulsion the Santa Clarita Community College District Board of Trustees will meet in closed session, unless otherwise requested by the student, to affirm or alter the sanction. The Board is not limited to the recommended sanction(s), and may impose an alternative sanction, even though such decision may result in a decrease of the student's penalty; moreover, the imposition of any sanction may be effective retroactively. Whether the matter is considered at a closed session, or at a public meeting, the final action of the Board shall be taken at the next public meeting and the result of such action shall be a public record of the District.

E. Discussion With Student:

If the President deems it necessary or desirable, he or she may meet with the student at any point to discuss the case. The student may be accompanied by any person of his or her choice at the student's own expense.

F. Decision by the President:

Not later than twenty (20) days after the date appearing on the written appeal of the student; or the report of the Student Conduct Committee, if any, whichever is latest, written notification of the President's decision shall be delivered to:

1. the accused student;

2. the Chair of the Student Conduct Committee, if the Committee heard or reviewed the case and made a report to the Chancellor; and

3. the Dean of Student Services.

The President may also notify other parties of his or her decision. The President may direct the Dean of Student Services, if there
is an institutional interest in doing so, and if such parties are authorized to receive such information under the "Santa Clarita Community College District Policy on the Disclosure of Information from Student Records."

MATRICULATION - STUDENT RIGHTS AND RESPONSIBILITIES

Matriculation is a process that enhances access to the California Community Colleges and promotes and sustains the efforts of credit students to succeed in their educational endeavors. The goals of matriculation are to ensure that all students complete their college courses, persist to the next academic term, and achieve their educational objectives.

College of the Canyons provides students except as exempted pursuant to Title 5, section 55532, with all of the following matriculation services:

A. The processing of applications for admission;
B. Orientation and pre-orientation services designed to provide non-exempt students and potential students, on a timely basis, information concerning college procedures and course scheduling, academic expectations, financial assistance, and any other matters the college or district finds appropriate;
C. Assessment for all non-exempt students pursuant to Title 5, section 55524;
D. Counseling or advisement for non-exempt students pursuant to Title 5, section 55523;
E. Assistance in developing a student educational plan pursuant to Title 5, section 55525, which identifies the student's educational objectives and the courses, services, and programs to be used to achieve them;
F. Post enrollment evaluation, pursuant to Title 5, section 55526, of each student's progress; and
G. Referral of students to:
   (1) Support services which may be available, including but not limited to, counseling, financial aid, health services, campus employment placement services, Extended Opportunity Programs and Services, campus child care services, tutorial services and Disabled Students Programs and Services; and
   (2) Specialized curriculum offerings including but not limited to, pre-collegiate basic skills courses and programs in English as a Second Language.

It is the responsibility of each non-exempt student under the provisions of Title 5, section 55530 and the Matriculation Plan to:

A. Express at least a broad educational intent upon admission and to declare a specific educational objective no later than the term after which the student completes 15 semester units of degree applicable credit coursework. Once the student has declared the specific educational goal, the College will provide the student with an opportunity to develop a Student Educational Plan (SEP) pursuant to Title 5, section 55525. These student responsibilities are also outlined in the Student Educational Plan (SEP).
B. Participate in counseling or advisement.
C. Diligently attend class and complete assigned coursework.
D. Complete courses and maintain progress towards an educational goal in accordance with the College's standards for probation and dismissal.

If the student fails to fulfill the responsibilities listed above, fails to cooperate in the development of an SEP or fails to abide by the terms of his/her SEP, the College may, subject to the requirements of Title 5, Chapter 5, Article 4, suspend or terminate the provision of services authorized and required in this policy. Nothing in this policy shall be construed to permit the College to suspend or terminate any service to which a student is entitled under any other provision of law.

ORIENTATION

Orientation is a process which acquaints students with college programs, services, facilities and grounds, academic expectations, and institutional procedures.

All new students entering College of the Canyons will be required to participate in the Orientation component of the Matriculation Program unless exempted from this requirement according to the criteria listed below.
Exemptions from Orientation

A. Students who have completed an associate degree or higher at an accredited institution.

B. Students taking only courses not dependent on academic skill requisites such as some fine or performing arts or physical education.

C. Students taking only courses to upgrade occupational skills or as continuing education for employment.

The College will make reasonable efforts to ensure that all exempt students are provided the opportunity to participate in orientation.

ASSESSMENT

Assessment is the process that combines the administration of assessment instruments to determine student competency in computational and language skills, assisting students in identifying their aptitudes, interests and educational objectives, evaluating students’ study and learning skills, and evaluating other factors that may be pertinent to their success in meeting their educational objectives.

All new students entering College of the Canyons will be required to participate in the assessment component of the Matriculation program unless exempted from this requirement according to the criteria listed below.

Exemptions from assessment

A. Students who have completed an associate degree or higher at an accredited institution.

B. Students taking only courses not dependent on academic skill requisites such as some fine or performing arts or physical education.

C. Students taking only courses to upgrade occupational skills or as continuing education for employment.

The College will make reasonable efforts to ensure that all new and continuing exempt students are provided the opportunity to have counseling and/or advisement.

COUNSELING

Counseling/Advisement in this sense is a process in which a student is assisted in interpreting assessment results, reviewing past academic performance, identifying educational objectives, and designing a plan to meet those objectives.

Counseling/Advisement shall be available to all students including those students entering the College for the first time. Counseling/Advisement is required of all new students unless exempted according to the criteria listed below.

Exemptions from Counseling/Advisement

A. Students who have completed an associate degree or higher at an accredited institution.

B. Students taking only courses not dependent on academic skill requisites such as some fine or performing arts or physical education.

C. Students taking only courses to upgrade occupational skills or as continuing education for employment.

The College will make reasonable efforts to ensure that all exempt students are provided the opportunity to participate in the assessment component.

CONFIDENTIALITY OF STUDENT RECORDS AND ACCESS TO RECORDS (FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT)

College of the Canyons maintains student records in a manner to ensure the privacy of all such records and shall not, except as otherwise authorized, permit any access to or release of information therein. Any currently enrolled or former student has the right to inspect and review his or her student records upon request and within five days of the request.

By law the College cannot release information about students without the student's written permission, regardless of the student's age.

All student records at College of the Canyons are kept in accordance with the provisions of the Family Educational Rights and Privacy Act of 1974. The College establishes and maintains such information on students relevant to admission, registration, academic history, career, student benefits or services, extra-curricular activities, counseling and guidance, discipline or matters relating to student conduct and establishes and maintains such information required by law.
A student may request access to those campus records which personally identify the student. The student may challenge the accuracy of the record or the appropriateness of its retention in College records.

Student consent is needed for the release of records, covered by the Act and College policy, to outside parties except for those persons or agencies entitled to access under the provisions of law, e.g., College officials, federal and state educational and auditing officers, and requests in connection with the application for or receipt of financial aid and then only on the basis of educational interest.

The College regards certain "student directory information" as public information which may be released for any student currently attending the College. "Student directory information" is limited to one or more of the following items: student's name, current enrollment status, dates of attendance, major field of study, degrees and awards received, participation in officially recognized activities and sports, weight and height of members of athletic teams, the most recent previous public or private school attended by the student. The College, at its discretion, may limit or deny the release of "student directory information" to public or private persons or organizations based on the best interests of the students.

A student may request in writing to the Admissions and Records Office that "student directory information" applying to that student not be released. This request must be submitted at least 10 working days following that student's initial registration or the individual's registration for any term.

The College makes a reasonable charge for furnishing copies of any student record except that normal College procedures will apply to requesting transcripts.

Copies of the full text of College of the Canyons' policy on student rights and privileges under the Family Educational Rights and Privacy Act of 1974, are on file and available to all students in the Instructional Resource Center. Particular questions with respect to a student's prerogatives under this policy should be directed to the Office of the Dean, Student Services.

**SMOKING/TOBACCO USAGE IN AND ON CAMPUS FACILITIES (BOARD POLICY #726)**

In the interest of promoting health and well-being of District students, staff, and visitors and maintaining the safety of District facilities, it shall be the policy of the District to prohibit smoking/tobacco usage in and on campus facilities.

**Procedures for Implementing Board Policy #726**

A. Student, employee, and visitor health is a primary concern of the Santa Clarita Community College District. Because of the clear evidence of the harmful nature of smoke inhalation and air contamination, the District, in accordance with State law, bans smoking/tobacco usage within all campus buildings and in any outdoor area except in designated smoking areas. This policy includes all college-leased and college-occupied buildings. In addition, smoking/tobacco usage shall be prohibited at events held on campus initiated by internal District users or external agencies as defined by the Civic Center Act. Further, smoking/tobacco usage is banned in the swimming pool area, Cougar Stadium (except in a designated area), and in all College vehicles.

B. Smoking shall be allowed only in the specific areas described as follows:

1. The outside area west of the Student Center Building;
2. The southeast exterior corner of the classroom building C north of the Fine Arts Building;
3. The Honor Grove semi-circular seatwell;
4. The southeast exterior corner of the Administration Building's emergency exit walkway;
5. The seatwell area along the walkway from the Honor Grove to the Physical Education Building just east of the right field baseball field fence;
6. All parking lots EXCEPT the parking area directly adjacent to the south side of the Laboratory Building L. In that area, smoking is permitted in the parking area midway between the Laboratory and Vocational Technology Buildings;
REGULATIONS

7. A designated area near the Cougar Stadium; and

8. Other areas as designated by the Superintendent-President. These allowable areas will be clearly designated as a "Smoking Area" and appropriate weather protection will be provided at locations 1 and 3, above.

C. All other tobacco usage in and on District facilities is expressly prohibited.

D. Violators shall be subject to appropriate disciplinary action.

E. Questions regarding this policy shall be directed to the President-Superintendent or his/her designee. Any review and decision by the President-Superintendent or his/her designee shall be deemed to be final.

SUBSTANCE ABUSE PREVENTION INFORMATION

As students and employees you should be aware that illicit drug use and alcohol abuse may lead to financial, health, psychological, work, school and legal problems. College of the Canyons presents these facts to make you aware of the dangers of abuse of illicit drugs and alcohol.

HEALTH RISKS

The following are commonly abused drugs and their associated health risks:

Alcohol

- Brain, heart, liver disease
- Fetal alcohol Syndrome
- Some forms of cancer
- Addiction
- Reduced life expectancy
- Death from severe overdoses causing respiratory and heart shutdown

Alcohol is involved in two-thirds of violent behavior, one-half of all injuries, one-third of all academic problems on college campuses. The use of alcohol is detrimental to athletic and academic skills, and impairs concentration, judgment and body coordination.

Marijuana

- Increased appetite
- Loss of motivation and purpose
- Heavy psychological dependence
- Loss of sex drive and reduced fertility
- May cause heart and lung damage

Cocaine

- Excitability and restlessness
- False feeling of self-confidence
- Painful nose bleeds and nasal erosion
- Quick addiction
- Depression
- Easy overdose leading to heart failure
- Crack babies
- Behavior leading to exposure to the AIDS virus

Stimulants

- Loss of appetite
- Insomnia
- High distractibility
- Anxiety and severe depression
- Suicidal tendencies, anger, violence, and psychotic or criminal behavior

In addition to the above, opiates, depressants, deliriants, hallucinogens and tobacco have significant health risks.

Therapeutic drugs, when used for medical treatment, can have beneficial and predictable results. Drugs used for non-medical reasons can cause serious physical and psychological problems.

APPLICABLE LEGAL SANCTIONS

Laws and regulations forbidding substance abuse include the Federal Controlled Standards Act, the California State Business and Professional Code, and the California State Penal Code. Legal sanctions may be taken against you if you are:

- Driving under the influence of any drug
REGULATIONS

* In possession of illegal drugs or controlled substances
* Using a false I.D. to obtain alcohol
* Obtaining or providing alcohol for people under legal age
* Giving prescription drugs to others
* Selling any drug or controlled substance

Santa Clarita Community College District
Board Policy

In accordance with Public Law 101-226 DRUG-FREE SCHOOLS AND COMMUNITIES ACTAMENDMENT OF 1989, the Board of Trustees of Santa Clarita Community College District prohibits the unlawful possession, use or distribution of illicit drugs and alcohol by students and employees on College property and as part of any College-sponsored or sanctioned activity.

Any student or employee in violation of this policy is subject to disciplinary action up to, and including, expulsion from College or termination from employment and referral for prosecution for violations of the standard of conduct.

The decision to take disciplinary action in any such instance rests with the Board of Trustees after consideration of the recommendation of the superintendent/president of the College.

College of the Canyons Resources
Student Health Center
(661) 362-3259
Counseling Center
(661) 362-3287

Off-Campus Resources
National Council on Alcoholism and Drug Dependence of Santa Clarita
24416 Walnut Street Newhall, CA 91321
(661) 254-0700

National Alcohol Hotline
800-ALCOHOL

Cocaine Anonymous (CA)
800-COCaine
(661) 254-0700
(818) 988-3001

Narcotics Anonymous (NA)
(818) 997-3822

Alcoholics Anonymous
(661) 254-0700
(818) 988-3001

National Clearinghouse for Alcohol and Drug Information
(800) 729-6686

Personal health insurance policies may have their own treatment or referral services.
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Academy of the Canyons
V-121 362-3056

Admissions & Records
A-101 362-3280
M-Th 8 am - 7:30 pm
Friday 8 am - 4 pm

Audio Visual/Tutorial Lab
see Open Media Lab

Bookstore
S-134 362-3255
M-Th 7:45 am - 7:30 pm
Friday 8 am - 4 pm
Sat 8 am - 2 pm
Cafeteria
S-126 362-3268
CalWORKs
I-24 362-3015

Career Center
C-103 362-3286
MWTTh 9 am - 5 pm
Tu 9 am - 7 pm
Friday 9 am - 12 noon

Child Development Center
ECE 362-3501

Community Extension
TY102 362-3304

Traffic School
TY102 362-3456

Counseling & Program Advisement
A-101 362-3287
Counseling Appts 362-3287
Walk-in Counseling 362-3287
Orientation & Placement
TY105 362-3309
M-Th 9:30 am-4 pm
cwee@mail.coc.cc.ca.us

Cooperative Work Experience (CWEE)
TY105 362-3681/3309
M-Th 9:30 am-4 pm
cwee@mail.coc.cc.ca.us

Disabled Students Programs & Services (DSP&S)
C-103 362-3341
MWTTH 8 am - 5 pm
Friday 8 am - 12 noon

Disabled Students Programs & Services (DSP&S) High Tech Center
MWTTH 9 am - 4 pm
T 9 am - 7 pm
Friday 9 am - 12 noon
Closed 12 noon - 1 pm M-Th

Distance Education
I-115 362-3600
M-F 8 am - 4:30 pm

Employee Training Institute (ETI)
X-8 362-3245
By Appointment

Extended Opportunities Programs & Services/
Cooperative Agencies
Resources for Education (EOPS/CARE)
X-9 362-3270, 3279
MTWTh 8:30 am - 4 pm
Friday 8:30 am - 12 noon

Financial Aid, Scholarship
C-110 362-3242/3409
MWTh 8 am-5 pm
Tu 8 am-7 pm
Friday 8 am - 12 noon

Foundation
X-6 362-3434

High Intensity Transfer & Enrichment (HITE)
C-103 362-3333
MWTTh 9 am - 5 pm
Tu 10:30 am - 7 pm
Friday 9 am - 12 noon
hchis008@huey.csun.edu

International Students
C-101 362-3580/3581
M-Th 8 am-5 pm
Friday 8 am - 12 pm

Instruction Office
A-112 362-3411/3412

Library
R-203 362-3361
M-Th 8 am - 9 pm
Friday 8 am - 4:30 pm
Saturday 8 am - 3:30 pm
bretall_I@mail.coc.cc.ca.us

Math, Engineering and Science Achievement (MESA)
X-2 362-3448

New Horizons
I-23 362-3393

Nursing Office
I-315 362-3357

Open Media Lab
Library second floor 362-3334
M-Th 8:30 am - 8:30 pm
Friday 8:30 am - 4 pm
Saturday 8:30 am - 3 pm

Outreach
S-108 362-3678
M-F 8 am - 5 pm

Progressive Adult College Education (PACE)
C-207 362-3632/3525

Student Development
S-102 362-3261
M 8 am - 5 pm
T, W 8 am - 7 pm
TH 8 am - 5 pm
Friday 8 am - 12 noon

Student Health & Wellness Center
S-122 362-3259
M, TH 9 am - 6 pm
T, W 8 am - 4 pm
Friday 8 am - 12 noon

Superintendent-President
A-114 362-3400

Switchboard
A-111 362-0

Transcripts
A-101 362-3283

Transfer Center
C-103 362-3455
MWTh 8 am - 5 pm
Tu 8 am-7 pm
Friday 8 am - 12 noon

Tutoring, Learning, Computing Lab (TLC)
I-209 362-3344
M-Th 8 am - 9:45 pm
Friday 8 am - 4:30 pm
Saturday 9 am - 2 pm

Veterans
A-101 362-3284

Volunteer & Service Learning Center
S-123 362-3248/3983
M-Th 9 am - 5 pm
Friday 9 am - 12 noon
Evenings by appointment

Weekend College Info. 362-7054
Switchboard (661) 259-7800-7054
TDD (661) 255-7967