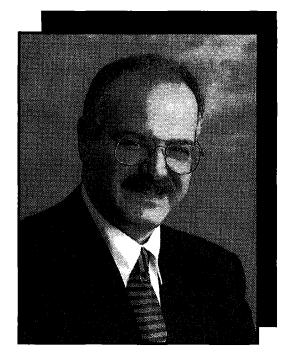
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2001-2002 GENERAL CATALOG



College of the Sequoias Welcomes You



College of the Sequoias (COS) is part of this nation's largest system of higher education. In California alone 1.6 million students enroll in community colleges every year. COS now serves more than 10,000 students.

College of the Sequoias is proud of its tradition of serving students. COS is about people helping people. Our dedicated faculty and staff are committed to ensure that each student is given the opportunity of transferring to baccalaureate institutions or leaving COS prepared for the job market. COS provides a solid foundation for further study as well as the opportunity for life-long learning.

College of the Sequoias is committed to creating an environment that offers all students the freedom and encouragement to explore new avenues and possibilities and fostering a climate marked by recognition and respect for students, faculty, and staff.



Kamiran S. Badrkhan, Ph.D. Superintendent/President

General Information

Proposition 187

The preliminary injunction regarding Proposition 187, issued March 15, 1995, remains in effect until further court notice; students who are noncitizens or who are not officially authorized by federal law to be present in the United States will not be prevented from seeking admission, enrolling in, continuing their enrollment in, or attending any California Community College. Students will only be asked to verify their immigration status for the sole purpose of determining residence status for tuition purposes (March 24, 1995, California Community College Chancellor's Office).

Notice

By order of the San Francisco Superior Court, community colleges and all other public postsecondary institutions have been prohibited from taking action to implement or enforce Sections 8 and 9 of Proposition 187, an initiative passed by the electorate on November 8, 1994. Pending further court order, this college will take no action to prohibit the admission, enrollment or attendance of any person who isn't a United States citizen or any person who isn't otherwise authorized by federal law to be present in the United States. Students and applicants will not be prohibited from attending or continuing their enrollment based on the provisions of Section 8 and 9 of Proposition 187. In addition, this college will take no action to determine the legal status of enrollees as such status relates to the implementation and enforcement of Proposition 187. Students and applicants will only be asked to verify their immigration status for the sole purpose of determining their residency status for tuition purposes. No information regarding any student or applicant will be transmitted to the U.S. Immigration and Naturalization Service (INS), directly or indirectly, pursuant to Sections 8 or 9 of Proposition 187.



The College of the Sequoias Community College District has made every reason-

able effort to determine that information stated in this catalog is accurate. Courses and programs offered, together with other matters contained herein, are subject to change without notice by the Administration of the College of the Sequoias Community College District for reasons related to student enrollment, level of financial support, or for any other reason, at the discretion of the District. The District further reserves the right to add, amend, or repeal any of their rules, regulations, policies, and procedures.

Compliance Statement

College of the Sequoias does not discriminate on the basis of race, color, national origin, sex (including sexual harassment), handicap (or disability), or age in any of its policies, procedures, or practices, in compliance with Title VI of the Civil Rights Act of 1964 (pertaining to race, color, and national origin). Title IX of the Education Amendments of 1972 (pertaining to sex), Section 504 of the Rehabilitation Act of 1973 (pertaining to handicap), the Age Discrimination Act of 1975 (pertaining to age), and the Americans with Disabilities Act of 1990. This nondiscrimination policy covers admission and access to, and treatment and employment in, the College's programs and activities, including vocational education. Inquiries regarding the equal opportunity policies, the filing of grievance, or to request a copy of the grievance procedures covering discrimination complaints may be directed to:

Jenny Glass Affirmative Action Officer and Title IX Coordinator Donald Mast, Section 504 Coordinator and ADA Compliance Officer College of the Sequoias 915 South Mooney Boulevard Visalia, California 93277 (209) 730-3700

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

College of the Sequoias recognizes its obligation to provide overall program and physical accessibility throughout the College for handicapped persons. Contact the Section 504 Coordinator/ADA Compliance Officer to obtain information as to the existence and location of services, activities, and facilities that are accessible to and usable by handicapped persons.

Inquiries regarding Federal laws and regulations concerning nondiscrimination in education or the District compliance with those provisions may also be directed to:

> Office for Civil Rights U.S. Department of Education 221 Main Street, Suite 1020 San Francisco, California 94105

College of the Sequoias is an equal opportunity-affirmative action employer.

Student Right-to-Know Disclosure

The Student Right-to-know (SRTK) legislation (Public Law 101-542) requires an institution to produce and publicly disclose its graduate rate and transfer rate.

These two SRTK rates have been derived from the annual IPEDs/Graduation Rate Survey performed by the California Community Colleges Chancellor's Office and are available from the Dean, Student Services in Room 103A. Copies may also be requested by calling (559) 730-3879.

2001-2002

Catalog and Announcement of Courses

College of the Sequoias

A Public Community College



College of the Sequoias is a member of the American Association of Community and Junior Colleges and the Community College League of California. The college is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges, (3402 Mendocino Avenue, Santa Rosa, CA 95403 (707) 569-9177), an institutional accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation and the U.S. Department of Education. The College is an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education. It is listed in the Directory of the Western Association of Schools and Colleges and in the Accredited Institutions of Postsecondary Organizations, 1990-91, a publication of the American Council on Education.

The college is approved by the United States Immigration and Naturalization Service to accept international students and is approved for veteran training under both State and Federal laws.

College of the Sequoias Community College District

915 South Mooney Boulevard Visalia, California 93277 (209) 730-3700

Published by the Board of Trustees

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College of the Sequoias Foundation -

College of the Sequoias and residents of the Central San Joaquin Valley are partners in progress, each relying upon the other for strength and support. Supported by members of our District, the Foundation greatly enhances services the college provides to students.

The COS Foundation was organized in the fall of 1985 to assist the college in the attainment of its educational, cultural and scientific goals. It raises funds for the college and also solicits donations of property and other assets. Contributions are used for such things as scholarships, equipment and other critical needs. Donations can be given in a number of ways: cash, stock, real property, deferred gifts, memorials, matching gifts and scholarships.

Gifts to the Foundation aid the college in providing quality education at an affordable cost, ensuring that College of the Sequoias will continue to graduate well-trained, competent men and women who will take their places in the business, industry and service occupations of our valley.

Persons desiring to learn how they may contribute to the COS Foundation and the work of the College of the Sequoias are invited to contact Ms. Kristin Risner, Executive Director, COS Foundation at 730-3861.

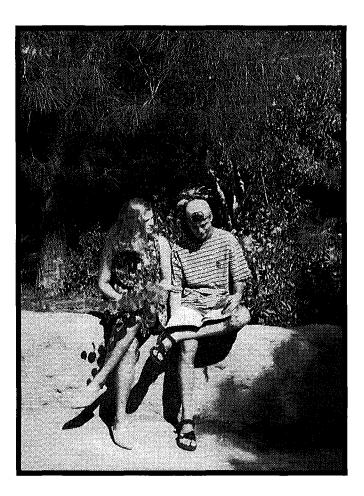


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Dave Cargill Cover graphics and maps

> Gail Robinson Cover Photograph

Gail Robinson Catalog Design and Edit, Miscellaneous Photographs

See us on the World Wide Web at http://sequoias.cc.ca.us

Academic Calendar

Fall Semester, 2001 ----- August 15, 2001 to December 19, 2001

June 25-29 July 23-August 3 August 3 August 4 August 6-10 August 8-10 August 13-14	Fall 2001 Open Telephone Registration for Eligible Students Last Day to Apply for Fall Full-Time Admission Last COS Placement Test for Fall Full-Time Admission Fall 2001 Walk-In Registration for all Eligible Students Fall 2001 Walk-In Registration for High School Accelerated Students
August 15 August 15-28 August 28 September 3 September 28 October 26 November 12 November 21-23 November 26-December 7 December 10-19 December 13-19 December 19	Fall 2001 Classes BeginLate Telephone and Walk-In Registration/Program Changes With Instructor Add CodesLast Day to Drop a Class Without a "W" and Receive a RefundLabor Day Holiday (no classes)Last Day to File for an Associate Degree for Fall 2001Fall 2001 Final Drop DateVeterans' Day Holiday (no classes)Thanksgiving Holiday (no classes)Spring 2002 Telephone Registration for Continuing StudentsSpring 2002 Open Telephone Registration for all Eligible StudentsFall Final ExamsEnd of Fall 2001 Semester
December 19 December 20-January 13	

Spring Semester, 2002 — January 14, 2002 to May 23, 2002

November 26-December 7	Spring 2002 Telephone Registration for Continuing Students
December 10-19	Spring 2002 Open Telephone Registration for all Eligible Students
January 2-4	Spring 2002 Open Telephone Registration for all Eligible Students
January 4	
January 5	Last COS Placement Test for Spring 2002 Full-Time Admission
January 7-9	Spring 2002 Walk In Reigstration for All Eligible Students
January 9	Spring 2002 Walk-In Registration for High School Accelerated Students
January 11	Faculty/StaffInservice
January 14	Spring 2002 Classes Begin
January 14-January 28	Late Telephone and Walk In Registration/Program Changes With Instructor Add Codes
January 21	
January 28	Last Day to Drop a Class Without a "W" and Receive a Refund
February 8	
February 18	Washington's Birthday Holiday (No classes)
February 28	Last Day to File for an Associate Degree for Spring 2002
March 2	Cal Grant Financial Aid Deadline for New and Transferring Students
March 22	Spring 2002 Final Drop Date
March 25-29	Spring Break (no classes)
April 29 - May 10	
May17-23	
May 23	Commencement and End of Spring 2002 Semester
May 23	Last Day to Make Up Incomplete "I" Grades for Spring 2001 Semester

General Information

About our college...

College of the Sequoias

College of the Sequoias is a two-year community college offering educational and enrichment programs for the residents of its district in Tulare and Kings Counties. The district was established in 1925 and moved to its current 62-acre site in 1940.

In addition to the primary campus, COS conducts an agriculture program on a 130 acre farm, and has also purchased an additional 550 acres for a future farm site. COS offers general education coursework in nearby communities including a college center in the city of Hanford.

College Mission

College of the Sequoias: Is a comprehensive, student-centered community college, dedicated to enhancing our diverse educational and cultural campus environment.

College of the Sequoias: Affirms that our mission is to help students achieve their transfer and/or occupational objectives and to advance the economic growth and global competitiveness of business and industry within our region.

College of the Sequoias: Is committed to supporting students' development of basic skills and to providing self-supporting community education classes, contract education and training, and related student services.

Therefore, our mission focuses on preparing students for productive work, lifelong learning, and community involvement.

Philosophy

College of the Sequoias believes that all individuals are innately valuable and entitled to develop their full potential; that a healthy and vigorous society benefits from an informed appreciation of the cultural, racial and socioeconomic variations among its members; that a democracy depends upon a critical, questioning and informed citizenry; and that the college programs serve the individual, the community and society.

Enrollment

College of the Sequoias' total student population is more than 10,000 and is comprised of the following: 44% Caucasian, 40% Hispanic, 4% Asian or Pacific Islander, 3% Black, 2% American Indian, and 1% Filipino; 6% are unidentified. The current trends reflect increased enrollment of women, minorities, students under twenty-one years of age and students who plan to transfer. Trends also reflect decreased enrollment of students who are thirty years of age or older, and extended day students.

Students are offered a wide variety of academic and vocational programs. The college administration, faculty and staff are committed to the principle that society benefits when all of its members have an opportunity to develop to their fullest potential. All those in the college community are dedicated to reaching out to a diversified and changing population which has increased by more than 20 percent in the past decade.



Faculty and Staff

College of the Sequoias has 172 full-time faculty, some 233 adjunct faculty, 27 administrators and 201 classified employees--all of whom are dedicated to providing the students with the very best educational environment possible. Faculty members are selected not only for their academic qualifications and experience, but for their interest in maintaining close student-teacher relationships.

The District

The district is governed by a five-member Board of Trustees elected through a ward system within the boundaries of Tulare and Kings Counties. In addition to Visalia, the nearby towns of Corcoran, Hanford, Tulare and Woodlake are represented by those members.

The Community

College of the Sequoias is located in Visalia, California (in the County of Tulare), 185 miles north of Los Angeles and 225 miles south of San Francisco. In addition to easy access to the Giant Sequoias, residents of the district enjoy nearby Sequoias and Kings Canyon National Parks and two large lakes (Kaweah and Success) for boating and fishing. The Central Valley also features many fine golf courses. The Tulare County Symphony and the annual COS Musical are just two of the many performing and fine arts enjoyed, and practiced, by residents. The annual County Fair, held in the City of Tulare each fall, attracts world-renowned performers.

Over the last 15 years, the population of Tulare and Kings Counties has increased by almost 50% and now includes approximately 370,000 residents and 132,000, respectively. Although the district enjoys a retail and professional sector, Tulare County is the second most productive agricultural area in the nation, and the annual Farm Show is the largest of its kind in the world.

About our college...

College Objectives

The instructional offerings and support services are designed to meet a variety of educational needs of the community and include the following objectives:

Responsibility to and Involvement of the Community

The district's primary responsibility is to meet the changing educational needs of its adult population. This responsibility is achieved through community participation in planning, educational offerings and community services.

Open Access Principle

The district maintains an open access admissions policy. Enrollment is open to any person who is a high school graduate or who is 18 years of age or over and able to benefit from instruction. Enrollment is also open to high school students who qualify for enrollment.

"The policy of this district is that, unless specifically exempted by statute or regulation, every course, course section, or class, 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(s) and who meets such prerequisites as may be established pursuant to regulations contained in Article 2.5 (commencing with Section 55200) of Subchapter 1 of Chapter 6 of Division 6 or Title 5 of the California Code of Regulations."

Regarding students who are noncitizens or who are not officially authorized by federal law to be present in the United States, but have applied for application at this college, please refer to our Position Statement on Proposition 187 on Page 2 of this catalog.

Programs and Services

Adult and Life-long Learning Education

To provide courses leading to upgrading of educational skills, new skill preparation, or instruction to meet the needs of adults in the district.

Citizenship Education

To provide training and experiences which will prepare every student to function effectively as a patriotic citizen with pride in the United States of America.

Community Services

To provide fee-based educational opportunities including professional growth, personal enrichment and recreational opportunities.

Contract Education

The ability to assess an organization's needs and deliver job-specific knowledge to worker defines the mission of the Business and Community Education Center at College of the Sequoias. The Office hopes to forge new relationships between the private and public sectors in the central valley and beyond, using COS faculty members' vast cumulative experience and high level of expertise.

Employment Development

To provide training and assistance in obtaining the knowledge and skills for pursuing employment opportunities.

General Education

To provide courses that help students value cultural similarities and differences, attain a sense of self-worth and personal emotional stability, develop critical thinking, maintain physical health and fitness, gain aesthetic awareness, understand the environment and its ecology, and increase the student's abilities to cope with everyday living as an adult in a rapidly changing world.

Remediation

To provide courses that enable students to acquire oral and written language and math skills to enhance their ability to benefit from the college's instruction programs.

Support Services

To provide a broad base of support services to assist students in successfully attaining their academic and occupational goals. Included are comprehensive counseling and guidance services, assessment, financial aid and scholarships, job placement, veterans' assistance, tutorial programs, disabled student programs and extended opportunity services.

Transfer Curriculum

To provide quality programs which develop the intellectual and vocational potential and other prerequisite courses so students may successfully transfer with advanced standing to four-year colleges and universities.

Vocational and Technical Training

To provide degree and certificate programs and special courses designed to prepare students with the skills and competencies which lead to successful competition in the job market.

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General Information

About our college...

College Facilities

Traditional facilities at the campus include lecture classrooms; science laboratories; computer laboratories in Art, English, Math, Business, and Nursing; a photography laboratory; a multipurpose gymnasium; a theater; an art gallery; an industrial and automotive technology complex; a library and media center; a learning resource center; administrative and Student Services offices; a Disabled Student complex; a student union, a college farm, a bookstore, and student activities office.

Recreational facilities include a track and field complex; outdoor tennis, handball courts; pool; basketball and volleyball courts (gym); softball, baseball, and football fields; weight room which utilizes both nautilus and free weights; and an outdoor stage.

In addition, College of the Sequoias has developed facilities that support its academic programs.

Child Development Center

The Child Development Center serves as a training laboratory for students in the Child Development Program, students going into the child care business, as well as parents and community members. The professionally staffed Child Development Center offers an exemplary early childhood education program. The Center is a state-of-the art facility.

Farm

The COS Farm located at 2245 South Linwood, Visalia provides each agriculture student with hands on, learn-by-doing education in a wide range of skills. The laboratory consists of a 70cow Registered Holstein herd which is one of the top herds in the area of milk production. A complete horticulture facility provides students with practical landscape experiences while working in the unit during class laboratories or after hours at student work sites. The farm laboratory provides students with worksites in animal science, horse production, dairy, ornamental horticulture, floriculture, turf culture, crop production, vegetable gardening and soils.

Hanford Center

College of the Sequoias has a center at 12582 13th Road in Hanford, California. A wide variety of general education classes and some vocational classes are offered at that site during day and evening hours. Services available to students include testing, orientation, counseling, registration, tutoring, and book sales. Call (559) 585-3933 for further information.

Off-Campus Sites

To make it easier for COS students to attend classes, the college offers regular accredited courses at nine off-campus locations within the district, including the Hanford Center.

Students may sign up for off-campus classes during regular registration hours on campus or during the first class session at off-campus sites.

Off-Campus Locations

COS FARM 2245 South Linwood

Visalia

CORCORAN Corcoran High School Whitley & Letts Avenues

CUTLER/OROSI

Cutler-Orosi Unified High School 418 Road 128

EXETER

Exeter High School 820 San Juan Avenue

FARMERSVILLE Farmersville Senior Center HANFORD Hanford COS Center

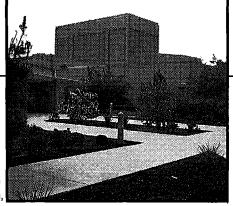
12582 13th Road Rooms: 1-9

LINDSAY Lindsay High School 1701 East Tulare Road

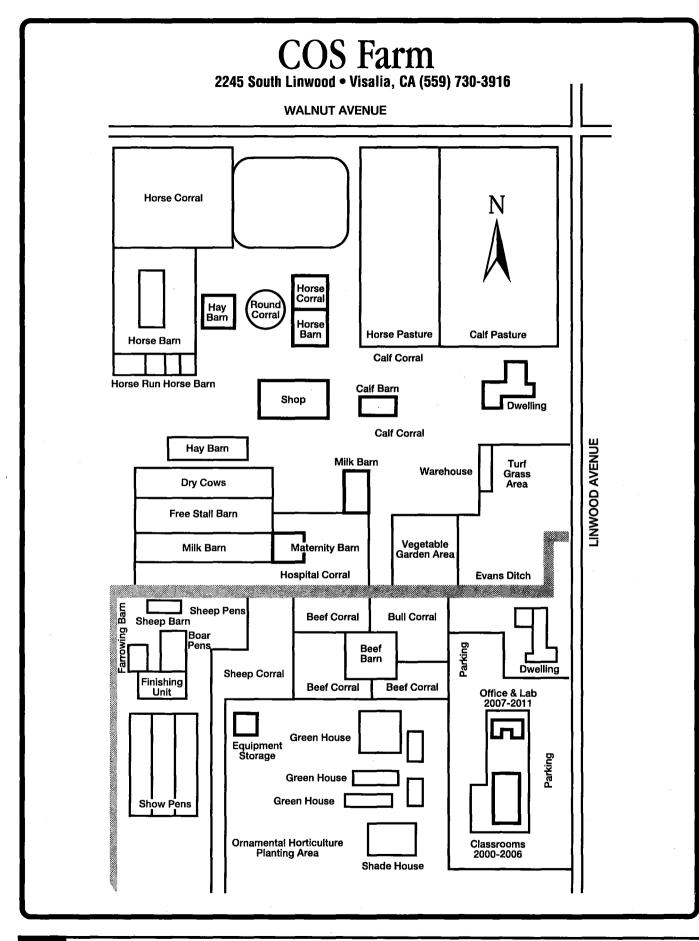
TULARE Tulare Union High School 755 East Tulare

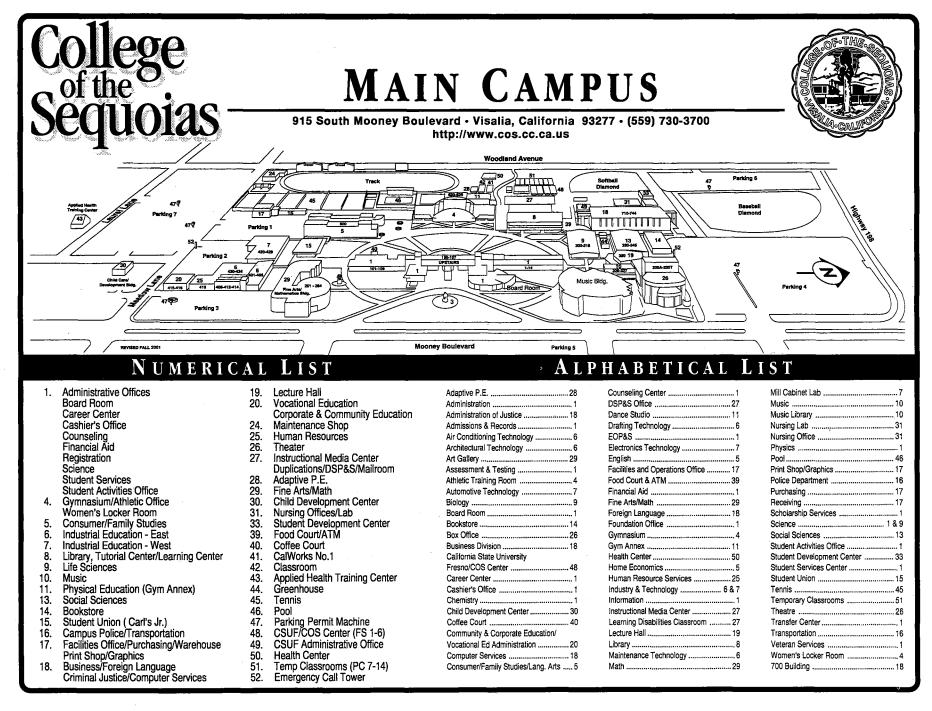
> Tulare Western High School 824 West Maple

WOODLAKE Woodlake Union High 400 West Whitney



General Information

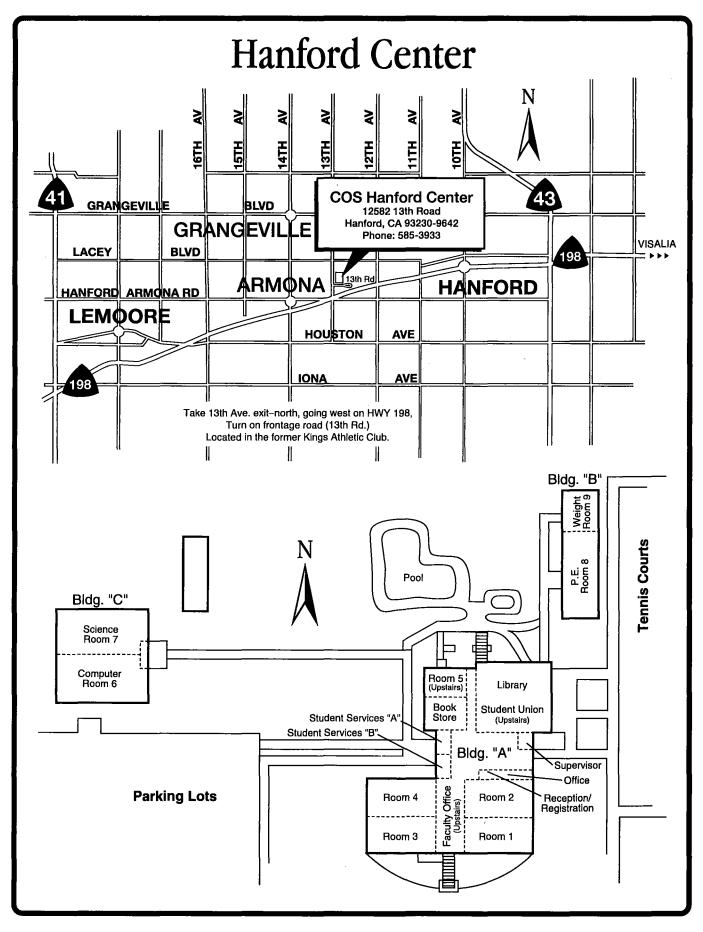


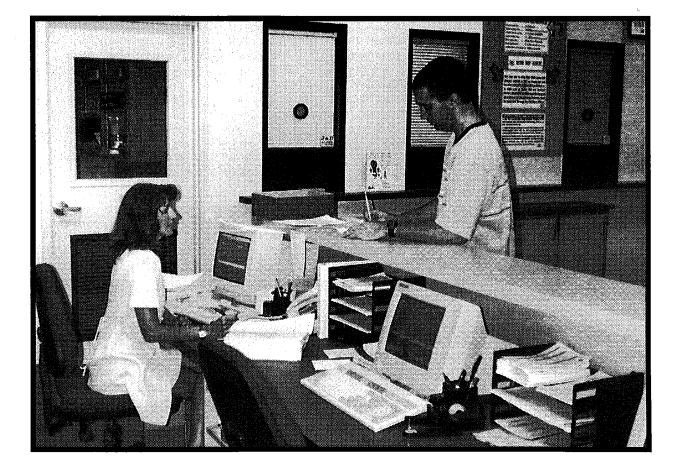


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"More than ever before in the history of the United States, education is the fault line, the Great Continental Divide, between those who will prosper and those who will not in the new economy."

> President Clinton, 1996 (Spoken at the 1996 Princeton graduation)

Eligibility for Admission

Any graduate of an accredited high school may be admitted to College of the Sequoias. Also, any person having successfully completed the California High School Proficiency Examination (CHSPE) or the General Educational Development Test (G.E.D.) with scores of 45 overall and with no subtest lower than 35 may be admitted.

The college may admit other persons 18 years of age or over when the evidence indicates that the individual will benefit from college level instruction. Students are encouraged to complete high school prior to enrolling in the college.

Concurrent enrollment of high school accelerates is also permitted. See Extended Learning/HS Accelerated Students for further information.

For dates relating to registration, check the calendar in the front of this catalog or inquire at the Registration Office, Room 104. Registration is through the Telephone Access System. Information on this process will be printed in the current Schedule of Classes and available in the Registration Office, Room 104.

Placement Tests

All students are required to take the COS Placement Test for math and English if they have completed or will complete six (6) or more units AND plan to pursue either a certificate, Associate degree, or transfer program. All other students who plan to enroll in an English or math course or any course with an English and/or math prerequisite, must also take the test. Students may be exempt from the Placement Test requirements based upon criterial listed in the Matriculation Policies section of the catalog. Tests are administered throughout the year. Information on test dates and test registration may be obtained by contacting the Assessment/Placement Test Office in Room 101B.

<u>Summary of Admission Requirements</u> <u>(Full-time Students, Twelve (12) or more units</u> <u>and students planning to take more than six</u> <u>units)</u>

Full matriculation will be required of any student who intends to enroll for seven (7) or more units of credit. Full matriculation shall require that a prospective student:

- 1. File a completed admission application prior to the deadline as specified in the schedule of classes.
- If you are under 21 years of age, request the last high school attended to send one transcript of work completed or attempted. If you have attended college, we require only college transcripts. Transcripts are to be official copies sent directly from previous schools to the Admissions and Records Office, College of the Sequoias, 915 S. Mooney Blvd., Visalia, CA 93277.
- 3. If the G.E.D. Test or the California High School Proficiency Examination (CHSPE) was taken in the last twoyears, have the G.E.D. scores or a copy of the CHSPE Certificate sent to the Admissions and Records Office.
- 4. Request each college of attendance to send one complete transcript of work attempted, whether or not credit was earned. Transcripts are to be official copies sent directly from the previous schools to College of the Sequoias. The first official copy of the transcript should be mailed to the ADMISSIONS AND RECORDS OFFICE at COS.

<u>Summary of Admission Requirements</u> (Part-time Students, Six (6) or Fewer Units)

- File a completed admission application prior to the deadline as specified in the Schedule of Classes.
- 2. File one transcript of all previous high school and/or college academic records if the student wishes to:
 - a. Apply for a Certificate of Achievement or an Associate Degree
 - Apply for financial assistance (EOPS, financial aid, veterans)
 - c. Apply for special programs, particularly in the health, arts and sciences
 - d. Validate that a prerequisite has been met either in high school or at another college.

Advanced Placement

College of the Sequoias recognizes high achievement by students who have successfully completed one or more Advanced Placement Examinations as authorized by the College Entrance Examination Board.

Students who have successfully completed courses in the Advanced Placement Program with a score of 3, 4, or 5 may be granted credit for purposes of general education certification, graduation, advanced placement in the college's sequence courses, and for curriculum requirements.

Students will automatically receive credit for Advanced Placement Examinations, if scores are sent to the college. The college will confirm the credit granted. If students choose not to receive credit for AP exams, they should inform the Admissions and Records Office prior to registration or as soon as possible during the first semester of attendance. Please be aware that other institutions, particularly four-year colleges/universities, may evaluate your Advanced Placement credits differently. Therefore, you are encouraged to meet with a COS academic counselor to discuss accepting these units on your transcript.

Classification of Students

Freshmen:

Students with fewer than 30 units of college credit.

Sophomores:

Students who have completed 30 units or more of college credit.

Other: Students who have completed more than 60 units of college credit.

Full-time Students: Students carrying 12 units or more.

Part-time Students: Students carrying less than 12 units.

Continuing Students: Students currently enrolled.

Former/Returning Students: Students who were not enrolled during the previous semester.

New Students:

Students who have never attended COS.

Extended Learning/HS Accelerated Students:

K-12 students are required to submit an admission application and high school permission form to the Admissions and Records Office for every semester of attendance. Attendance is on a space available basis only. High school accelerated students attending a class at COS are NOT considered "continuing students." High school students are generally authorized to enroll in one or two classes--only in unusual circumstances as determined by the Dean of Student Services will high school accelerates be allowed to enroll full time. COS will issue college creditfor courses completed; the public K-12 school and certified home school may issue credit as they determine appropriate.

Registration

Students use the COS Telephone Access System to register for classes by touchtone telephone. Walk-In Registration is available the week before the semester begins and during late registration. Detailed information is printed in the Schedule of Classes each semester.

STUDENTS <u>MAY</u> BE WITHDRAWN FROM ALL CLASSES IN WHICH THEY WERE ABSENT ON THE FIRST MEETING OF THE SEMESTER.

If unusual circumstances prevent the student from attending, the student should notify the Secretary for the Vice President of Student Services. However, the decision to retain a student in the class is the decision of the faculty member. However, it is the student's responsibility to drop a class in which he/she no longer wishes to be enrolled. NON-ATTENDANCE DOES NOT RELEASE THE STUDENT FROM THIS RESPONSIBILITY.

NOTE:

Before scheduling a counseling appointment and prior to admission to the college, students must:

- (1) have a completed application on file;
- (2) have taken the COS Placement test if required;
- (3) have the appropriate transcripts on file prior to the first day of instruction.

Resident Regulations

Residency determination shall be made on the basis of a residence statement completed at the time of application.

A "resident" is a student who has residence in the state for more than one year immediately preceding the opening day of instruction of the <u>semester</u> (EC68017,680601), and has demonstrated intent to make California their permanenthome.

A student shall be required to present evidence of physical presence in California, intent to make California a home for other than a temporary purpose; and if the student was classified as a non-resident in the preceding term, they may be required to demonstrate financial independence (T54020/EC68044).

Physical presence within the state solely for educational purposes does not constitute establishing California residence regardless of the length of that presence (T554026). Residents of another state are non-residents of California (T554030). The burden is on the student to demonstrate clearly both physical presence in California and intent to establish California residence (T554026). A student who is a member of the Armed Forces of the United States stationed in this State on active duty, except those assigned for educational purposes to State-supported institutions of higher education, shall be entitled to resident classification until he/she has resided in the State the minimum time necessary to become a resident (EC68075). During this time, the student should demonstrate intent to make California their permanent home.

A student who is a natural or adopted child, stepchild (under 18 years of age), or spouse who is a dependent of a member of the Armed Forces of the United States stationed in this State on active duty shall be entitled to resident classification until he/she has resided in the State the minimum time necessary to become a resident (EC68074). During this time, the student should demonstrate intent to make California their permanent home.

College Level Examination Program (CLEP)

College of the Sequoias awards credit for the five General Examination sections of the College Level Examination Program. Six units of elective credit may be awarded for each examination that a student completes with a score of 500 or higher. The CLEP may also be used to fulfill certain Associate Degree general education requirements as listed in this catalog. Only students who are enrolled and matriculated at College of the Sequoias may receive CLEP credit on a College of the Sequoias' transcript.

To obtain information and make arrangements to challenge one or more of the General Examinations, students may contact the Educational Testing Office at CSU, Fresno (559) 278-2457. Upon receiving the minimum score, students may petition for credit by submitting the official CLEP Test result to the COS Admissions and Records Office, Room 107.

International Students

College of the Sequoias accepts a limited number of foreign students each year. In order to keep a well-balanced representation of the various nations of the world, the number of students accepted from any one country is restricted.

Transcripts of academic records and good health verification are required to qualify for admission. Transcripts from foreign colleges/universities should be provided to COS after being translated and evaluated by a foreign transcript service.

To be admitted, foreign students are required to achieve a score of at least 500 on the Test of English as a Foreign Language (TOEFL), and a score of three (3) on the Advanced Placement International English Language (APIEL) Examination which is administered in their own country or at a test center in another country or the United States. The foreign student's annual tuition fee of approximately \$4,350 (for those students enrolled in 15 units each semester) is the same as for other non-resident students. Foreign and nonresident students must also pay the resident tuition of \$11 per unit which has been included in the \$4,350 annual tuition fee listed above. Payment of a \$100 Application Fee must be paid upon application to the college. Payment should be by bank draft or money order and must be received before the Form I-20 will be issued by the college. Tuition for subsequent semesters will be paid at the time of registration.

All foreign students are required to purchase medical insurance, the cost of which is approximately \$350 for the school year. The funds to cover the insurance should be paid with the non-resident tuition.

Federal and State financial aid is not available to foreign students. Working during the first year is not allowed and students must have sufficient funds to defray expenses. Each application must be accompanied by a certified financial statement indicating sufficient monies are available to pay college costs and living expenses.

Students on an "F" or "J" type visa are required to register for a minimum of 12 units and they must maintain the same scholastic standards as other students.

The deadline for application is April 1 for the fall and October 1 for the spring semester. Requests for application forms should be sent to the International Student Advisor (Dean, Student Services) in the Admissions and Records Office

Transcripts

Applicants under 21 years of age, must file certified transcripts of their high school record with College of the Sequoias. Applicants who have attended another college or university must only file transcripts from each college or university attended showing all attempted work. College of the Sequoias grants credit for lower division work from accredited colleges or universities.

Failure to file transcripts will delay or prevent admission or graduation. Transcripts should be sent directly from the high school or college to College of the Sequoias. All transcripts become the property of the College and will not be returned or released to other institutions.

Exception:

The high school transcript requirements may be waived for:

- 1. Those who have attended college.
- 2. Those who have attained a college degree.
- 3. Those who are 21 years or older.

Fee Assistance

The California Legislature has made funds available to low-income students who desire to attend a community college but who are prevented from doing so by the mandatory enrollment fee. The Board of Governors' Financial Assistance Program provides several ways to help lower-income students pay the enrollment fee. Students who qualify for the Board of Governors' Fee Assistance Program are exempted from payment of the mandatory Health Fee (AB2336/BOG 73352.1). Please contact the Financial Aid Office, Room 103B, for eligibility information.

Fees and Expenses

Fee assistance is available to eligible students. Eligibility information may be obtained from the Financial Aid Office , Room 103B.

Enrollment Fee

An enrollment fee of \$11.00 per unit is charged all students. An enrollment fee of \$5.50 is charged per 1/2 unit. The non-resident fee is an additional \$134.00 per unit.

<u>Health Fee</u>

A mandatory health fee is charged each semester to all COS students enrolled in classes for units or who are repeating a class under the Community Service Option. The health fee is \$12 for Fall and Spring semesters and \$9 for the Summer Semester. Fee waivers are available for low income students and for religious reasons. The health services fee helps support campus health services, including accident insurance.

Material Fees

A material fee may be levied in certain courses approved by the Board of Trustees. Fees vary and are noted in the Schedule of Classes. Material fees are refunded to students who completely withdraw from class the last day of registration BEFORE the semester begins or if the class is cancelled by the college. There are no material fee refunds once the semester begins.

Textbooks and Supplies

Textbooks and school supplies average approximately \$250 per semester. These costs, however, vary according to the student's major. New and used textbooks and essential supplies may be purchased at the COS Bookstore.

Parking Fees (Optional)

Students wishing to park on campus must pay a fee. Parking fees have been instituted to provide the resources needed to repair and maintain COS Parking. Parking permits are purchased on a semester basis. Spring and fall semesters are \$15.00 per semester for both full-time and part-time students. Motorcycle and Moped parking is free in designated areas. CSU, Fresno students are charged a \$15.00 parking fee per semester. Students can purchase a second parking permit for a fee of \$7.50 along with proof of registration.

Students are charged a \$10 fee for a summer parking permit. Fall or spring semester permits are valid for summer semester.

Students not wishing to purchase a semester parking permit may purchase one-day parking passes for 50 cents from the dispensers located in Parking Lots 1, 3, 4, 6, 7, and at the college farm.

IMPORTANT NOTES:

- Purchase of a parking permit does not guarantee a space will be available.
- The College District is not responsible for losses due to theft or damage.

ASB Representation, Photo & ID Fee

Optional purchase of a photo and identification card entitles you to all the privileges of Associated Student Body membership, including local merchant discounts. Cost is \$15.00 per year whether you purchase your permit in the spring (January to January) or the fall (August to August).

A student representation fee of \$1.00 per semester (for students enrolled in six (6) or more units) is charged. A waiver of this fee can be obtained for religious, political, moral, or financial reasons. The Representation Fee is an includable cost in student budgets for students receiving federal and/or state financial aid benefits.

Nonresident Tuition Fees

The nonresident tuition fee for the academic year 2001-2002 is \$134 per semester unit, plus applicable enrollment fees payable each semester upon registration. The nonresident tuition fee for foreign students is \$134 per semester unit and when the student is both a citizen and a resident of a foreign country, a \$100 processing fee must accompany the application which is deductible from the tuition fee at the time of enrollment, plus all applicable enrollment fees. Fees are applicable whether nonresidents enroll for credit or noncredit. <u>Guidelines and regulations for fee refunds for the nonresident student are the same as for all other students.</u>

IMPORTANT NOTES:

- All fees are mandated by the State and are subject to change without prior notice.
- Any increase in fees after the student registers will be charged and billed accordingly.

Payment of Fees

Payment may be made by credit card (Visa, Master Card, American Express or Discover Card), cash, check or money order. Payment over the Telephone Access System is by credit card only. Payment by mail may be check, money order or bank draft, or by any method in person at the Cashier's Office (Room 102) or at the Hanford Center. Agency or third party payment (State Department of Rehab, Board of Governor's Grant) must be processed through the Cashier's Office. <u>Credit card purchases may be subject to pre-approval.</u>

The following policy applies when payment is made by personal check:

- Check is for the amount due only
- Must provide photo identification and social security number
- Imprinted checks only
- ➡ In-state checks only
- No personal two-party checks
- Non-sufficient funds checks are turned over to Sequoia Check Collection. The non-sufficient funds check charge is \$25.00 plus customer bank charge which will be added to all returned checks

Books may also be purchased by Master Card or Visa. Students are encouraged to purchase books after attending the first class session.

Refund Policy

Enrollment and health fees for students who reduce units or completely withdraw (not including short-term classes) from college prior to the end of the SECOND WEEK OF INSTRUCTION will be as follows:

Enrollment and Health Fee Refunds

Refunds are given ONLY by student petition. Forms can be obtained at the Cashier's Office located in Room 102.

All refunds are issued by check. Students will be charged a \$5 handling fee on enrollment credits only.

Reimbursements petitioned for by the end of the fifth (5th) week will be mailed between the 6th and 8th instructional week of the semester. Refund petitions which are received by the end of the 12th week of the semester will be mailed between the 13th and 15th week of the semester.

Students may carry a refund/credit balance and use it the following semester to avoid the \$5 handling fee.

No refunds will be given for classes dropped after the first two (2) weeks of school or short-term classes dropped after the first class day.

No refunds for material fees will be given unless the student drops class prior to first day of the semester.

Credit balances will be carried forward to the following semester.

For questions regarding collections or refunds on fees, contact 730-3868.

Parking Fee Refunds

Parking refunds will be available to students withdrawing from school prior to the end of the second week of instruction. Students withdrawing from school after the second week will not receive refunds.

- A \$3 service fee will be deducted from all permit refunds
- Parking permits or remnants must be returned to the Campus Police Office before refunds will be processed.
- A refund check will be mailed in 6-8 weeks.
- Permits must be picked up as soon as purchased as a limited number will be issued.
- Lost permits may be replaced at the same costs as the original purchase.
- Stolen permits may be replaced ONLY after an official police report has been made to the Campus Police Department.

Scholastic Regulations

The scholastic average is obtained by dividing the total number of grade points by the total number of units for which the student was registered. Grade points are assigned as follows:

Grade A - receives	4 points per unit;
Grade B · receives	3 points per unit;
Grade C - receives	2 points per unit;
Grade D - receives	
Grade F - receives	

Satisfactory Scholarship

Satisfactory scholarship means at least a "C" (or 2.0) average. To achieve at least a "C" (or 2.0) average, students must have a minimum of twice as many grade points as they have units attempted.

Transfer Students

Any student transferring from another college shall be subject immediately to these same scholastic regulations. Transfer students must supply official transcripts from all other colleges attended. It is the responsibility of all students to compute their current grade point averages for their own guidance in determining whether their scholastic records are meeting their needs. As an example of computing a grade point average, let us assume a student undertook the subjects shown below and earned grades as indicated:

Subjects	Units Attempted	Units Passed	Grade	Grade Points
PE	1	1	С	2
English	3	0	F	
Chem	5	5	Α	20
Geol 1	4	4	В	12
Math 154	3	0	F	0
Hyg 1	0	0	W	0
Total	16	10		34

The grade point average equals 34 divided by 16, or 2.125.

Explanation: Since Hygiene 1 was dropped with a "W," it does not count as units attempted. All other subjects which were carried count as units attempted, including Math 154 in which the grade was "F" and English 1 in which the grade was "F."

Scholastic Honors

Special recognition is granted to top scholars each semester. The President of the college acknowledges, on the Deans' List, those full-time students who attain both a cumulative and a semester grade point average of 3.0 (B) or better. In addition, he also recognizes on the President's Honor List those full-time students who attain both a cumulative and a semester grade point average of 3.5 or better. Qualification for either honor requires enrollment in a minimum of twelve units with a letter grade. A record of these accomplishments becomes a part of the student's permanent scholastic record.

Matriculation Policies

Matriculation is a process that assists students in planning, choosing, and achieving educational and career goals. It begins with applying for admission and ends when the student completes the expressed goal. The purpose of matriculation is to ensure access to appropriate programs and courses offered by the College and to facilitate successful completion of student educational objectives. Through a coordinated program between instruction and support services, the College promotes and sustains efforts to help students achieve their goals.

Matriculation is a partnership between the student and the community college. It comprises mutual responsibilities and agreements for both partners. Any student who enrolls in credit classes for the purpose of realizing an educational or career goal is considered a matriculant. Matriculated students are expected to:

- 1. express a broad educational intent at the time of admissions;
- 2. declare a specific educational objective within a reasonable period of enrollment;
- 3. complete the COS Placement Test or other assessments;
- attend an orientation:

- 5. discuss educational/vocational choices and class selections with a counselor prior to registration;
- 6. diligently attend classes and complete assigned coursework; and
- 7. seek support services as needed and complete courses to maintain progress toward an educational goal.

The community college agrees to provide:

- 1. an admission process;
- 2. a pre-enrollment assessment process;
- 3. an orientation to college programs, services, and procedures;
- 4. a pre-enrollment counseling and advising session;
- 5. an Educational Study Plan;
- 6. a suitable curriculum or program of courses;
- 7. a quality instructional experience;
- a continuous follow-up on student progress; with referrals to support services when needed; and
- 9. institutional research and evaluation to review the effectiveness of programs in assisting students to reach their goals.

All students who are deemed matriculants are required to participate in the Matriculation activities. Non-exempt students may request exemption status by completing a form and presenting their case to the Matriculation and Foreign Student Coordinator. Students who are exempt based upon the following criteria are welcome to request any service or activity from the respective departments.

Matriculation Requirements for Participation in Assessment, Orientation and Counseling

Assessment

All students are required to take the COS Placement Test for English and math if they:

- 1. plan to pursue either an Associate degree or transfer program; or
- 2. plan to enroll in a math course or any course with a math advisory/ prerequisite (Math placement test required); or
- 3. plan to enroll in an English course or any course with an English advisory/prerequisite (English placement test required).

All students are exempt from the math and/or English test IF they satisfy one of the criteria listed below:

MATH TEST:

- 1. enrolling in courses other than a math class or a class that lists a math advisory/prerequisite; or
- 2. enrolling in Math 360, Pre-Algebra or Math 365, Arithmetic and Pre-Algebra; or
- presenting a valid college transcript that demonstrates successful completion (grade "C" or higher) of math courses that are equivalent to courses offered at COS.

ENGLISH TEST:

- 1. enrolling in courses other than an English class or a class that lists an English advisory/prerequisite; or
- 2. presenting a valid college transcript that demonstrates successful completion (grade "C" or higher) of English courses that are equivalent to courses offered at COS.

Orientation

All students (regardless of the number of units in which they plan to enroll) must participate in orientation if they:

- have no former college units from either COS or another institution (California and out-of-state community colleges, private colleges/ universities; UCs; and CSUs); and
- 2. plan to pursue a certificate, Associate degree or a transfer program; or
- 3. graduated from high school within the last calendar year.

Exemption Criteria for Orientation

All students are exempt from orientation if they:

- 1. attended (with proof) an orientation at COS or another college; or 2. completed a Student Education Plan with a COS counselor that is
- current and reflects the correct major and educational goal; or
- 3. plan to concurrently enroll in high school and COS classes as a high school Junior or Senior.

Counseling

All students (regardless of the number of units in which they plan to enroll) are required to consult a counselor to develop a Student Education Plan if they:

- 1. plan to pursue a certificate, Associate degree or a transfer program; or
- 2. need to update their Student Education Plan to correct the major and/or educational goal; or
- need a current Student Education Plan for other departments (e.g., Financial Aid, Veterans, EOP&S, Disabled Student Programs and Services, JTPA/GAIN, etc.) who have special requirements.

Counseling Policy (Board Policy 7025)

<u>Approved 3/20/2000</u>

- A. The Governing Board of the College District at each campus within theDistrict shall provide and publicize a counseling program, which shall include, but not limited to, the following:
 - 1. Academic counseling, in which the student is assisted in assessing, planning, and implementing his or her immediate and long-rangeacademic goals.
 - Career counseling, in which the student is assisted in assessing his or her aptitudes, abilities, and interests, and is advised concerning the current and future employment trends.
 - 3. Personal counseling, in which the student is assisted with personal, family, and or other social concerns, when that assistance is related to the student's education.
 - Coordination with the counseling aspects of other services to students which may exist on the campus, including, but not limited to, those services provided in programs for students with special needs, skills testing programs, financial assistance programs, and job placement services.
- B. Counseling services will be provided for first-time students enrolled in six or more units and students on academic or progress probation or subject to dismissal. Students on probation and subject to dismissal may have units limited and courses or an educational plan prescribed subject to the professional judgement of the counselor. Students subject to academic dismissal shall be required to meet with a counselor prior to registration.

C. The College is authorized to mandate counseling or advising as a condition for enrollment for selected groups of students whose needs for such services are particularly great.

Exemption Criteria for Counseling

All students are exempt from orientation and counseling if they:

- 1. enroll in college courses for reasons other than the pursuit of a certificate, Associate degree or a transfer program; or
- enroll in courses that do not specify prerequisite/corequisite or other skill recommendations in reading, writing, or computation that are assessed through the COS Placement Test and in a counseling appointment.

Exemption Procedures

Any student who is considered nonexempt from the Matriculation services by district criteria (mentioned above), yet wishes to be considered for exemption for one or more of the activities, shall be directed to the Admissions and Records Office, Room 107.

Formal Procedure:

- 1. The student can acquire the Matriculation Exemption Form from Admissions and Records or Counseling.
- 2. The student must return the form to the Admissions & Records Office.
- 3. The staff will review all cases on the same day they are submitted. Exemptions that are submitted during evening registration will be reviewed the following day.
- 4. The student may file an Appeal/Grievance Form requesting a hearing from the Matriculation Appeal/Grievance Committee within 10 working days of submission if the student is dissatisfied with the exemption status.

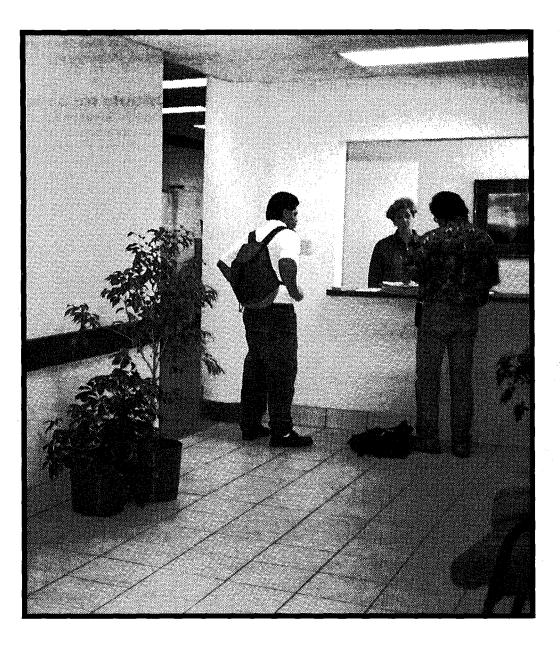
Appeal/Grievance Procedures

An appeal/grievance may be filed with the Office of Matriculation, under the following situations:

- 1. if a student feels entitled to any matriculation service or program to which he/she has been denied access; and/or
- 2. if a student feels that any matriculation procedure is being applied in a discriminatory manner.

Formal Procedure:

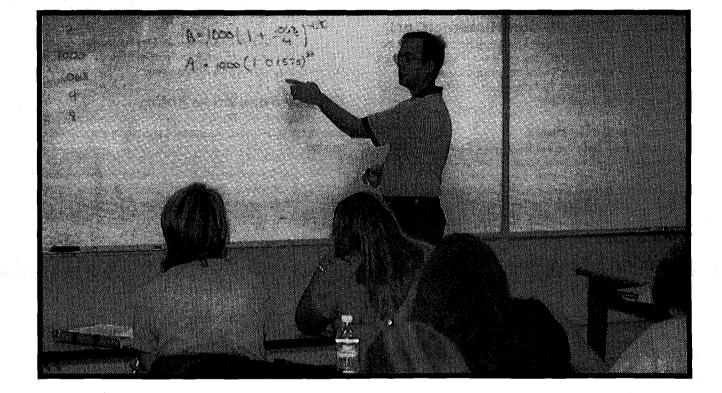
- 1. The student must complete the form and submit it to the Dean, Admissions and Records.
- 2. Within 10 working days, the Matriculation Office will review the case with the student.
- If the student is still dissatisfied with the resolution, the student can request a hearing from the Matriculation Appeal/Grievance Committee within 10 additional working days to review the Appeal/ Grievance.



"Success is not measured by what a man accomplishes, but by the opposition he has encountered, and the courage with which he maintained the struggle against overwhelming odds."

Charles A. Lindbergh

Academics



"The credit belongs to the man who is actually in the arena, who strives valiantly; who knows the great enthusiasms, the great devotions, and spends himself in a worthy cause; who at the best, knows the triumph of high achievement; and who, at worst, if he fails, fails at daring greatly, so that his place shall never be with those cold and timid souls, who know neither victory nor defeat."

Theodore Roosevelt

Academics **=**

Auditing Credit Classes

No class can be taken on an audit basis at College of the Sequoias. See "Community Service Option" below for non-credit attendance.

No person may attend or participate in a class without being properly enrolled due to insurance stipulations.

California Articulation Number (CAN)

Applicable CAN numbers are printed at the end of courses listed in the "Course Descriptions" portion of this catalog. Check for the specific course/s in which you have interest in the "Course Descriptions" to see if they are designated as "CAN" referenced. For further information refer to the Index of this catalog under the listing of "CAN."

Class Cancellations

Courses listed in the Schedule of Classes are subject to cancellation based on low enrollment. If a class is cancelled, fees will automatically be refunded and every effort will be made to reschedule students to meet their needs. Early registration and attendance of first class meetings will help ensure continuance of scheduled classes. Wait Lists do not guarantee students a seat in a class.

Class Wait Lists

Wait lists are established for classes that have filled to their maximum enrollment. Students may place their name on a wait list through the COS Telephone Access System during the registration process.

Community Service Option

A student who has taken a course designated as repeatable the total number of times allowed for credit, may then opt, with the instructor's permission, to repeat certain classes under the auspices of Community Service for no credit. Students will not be allowed to enroll for the community service repetition option until after the second class session. Instructor permission forms can be obtained in the Administration Office from the Community Service Secretary and fees paid at the Accounts Receivable Office. Fees for students enrolled in Community Services shall be \$15 per unit, an \$12 Health Fee, and a materials fee, if applicable. Since Community Service is a separate account, no funds can be transferred from credit to Community Service accounts or vice versa. If students choose to drop a class they are taking for credit and take it as a Community Service class, they must pay the additional Community Service Fee.

A course must have a minimum of 20 students enrolled in a lecture credit course, and 15 students enrolled in laboratory credit course. If there are fewer students enrolled in the lecture or lab course, the course may be cancelled. It may then be offered under the auspices of Community Services and the fee will be set according to the Community Service fee formula. When this occurs, the instructor may restructure the class to reduce the number of hours it meets as a means of reducing fees to students.

For a list of courses that may use the Community Service repetition option, please contact the Community Service Secretary in the Administration Office.

Cooperative Education Program

The Cooperative Education Program offers students an opportunity to use their work experience to earn college credit. Any student who is employed (paid or volunteer) and can meet the criteria to qualify may participate. The employer must be willing to assist the student in setting measurable learning

objectives, which will be accomplished during the grading period and evaluated as to degree of accomplishment.

Each semester one to four units can be earned depending on the type of employment and the hours worked. Students must register in Leadership Training 1 if participating for the first time and Leadership Training 2 if participating for the second semester. Some division offerings may have different requirements in place of the Leadership class.

Additional information may be obtained in the Cooperative Education Office which is located in Room 106, the Transfer/Career Center. Students must fill out an application in this office to register.

Course Repetition Policy

Only courses which fall into the following categories may be repeated. Enrollment in two sections of the same course during the same semester is not permitted.

1. Courses designated "a-b," "a-c," and "a-d" may be repeated for credit; however, they may not be taken concurrently. Courses may be repeated according to the following schedule:

> "a-b" may be taken 2 times for credit "a-c" may be taken 3 times for credit "a-d" may be taken 4 times for credit

Courses that are repeatable are approved for inclusion in this category on the following basis:

- 1. Skills or proficiencies are enhanced by supervised repetition and practice or;
- 2. Active participation experience is a basic means by which learning occurs.

College of the Sequoias monitors student enrollment in repeatable courses. Students enrolled in courses the permitted number of times will receive credit. Any student enrolled for more than the maximum number of times will be dropped. Students are urged to keep track of the number of times they repeat such courses, because no prior warning can be provided by the College that the repetition limit has been reached. See "Community Service Option" regarding course attendance in repeatable courses once the repetition limit has been reached.

A student may petition to repeat a course:

- 1. If a grade of "Credit" or "CR" was received and prior permission of the Dean, Admissions and Records, has been granted.
- 2. If a final course grade of "D," "F," or "NC" was received.
- 3. If the course has been repeated a second time with a substandard grade received, and the student has a written recommendation from a counselor.
- 4. When repeating a course with an initial grade of "C" or better, the student, MUST obtain a petition and have written approval from the Dean, Admissions and Records, PRIOR to repeating a course to have the most recent grade recorded. The second grade awarded for repeated courses in which a "C" or better was received initially, shall not be counted in calculating a student's grade point average. However, both grades earned will appear on the official transcript.

Conditions under which a grade of "C" or better may be petitioned are:

- If the grade was affected by interruptions such as verifiable accident, illness, or other circumstances beyond the control of the student;
- If a significant lapse of time has occurred since the course was taken (usually at least one calendar year).

Credit by Examination

Conditions and Requirements for Credit by Examination

- Students must be currently registered and in good standing at COS. The student may not be currently enrolled in the course he/ she is petitioning for Credit by Examination. Good standing is defined as not on probationary status.
- 2. Students must file a petition for approval to challenge a course by examination with the Admissions and Records Office. Petitions are available in the Admissions and Records Office, Room 107.
- Students must furnish strong proof to the satisfaction of the instructor/department, division chairperson and the Vice President of Academic Services that previous background experience or training would ensure a reasonable measure of success in the challenge.
- 4. If the petition is approved, the examination or series of tests shall be administered by the appropriate instructor as designated by the division chairperson. The course, with units and letter grade assigned, shall be entered on the student's record and will be reflected in the student's cumulative grade point average.
- 5. The student's academic record shall be clearly annotated to reflect that credit was earned by examination. A maximum of 12 units may be earned through credit by examination. (This limitation is waived in the case of registered nursing students.) Units for which credit is given pursuant to the provisions of this section shall not be counted in determining the 15 semester hours of credit in residence required for an associate degree.
- 6. Any course listed or qualified to be listed in the college catalog is available for challenge within the limits of condition "3" above.
- 7. Once the student receives approval for credit by examination, the examination must be completed within the same semester unless extenuating circumstances are shown to justify an extension of time. In the event the examination is not completed within the semester approval was obtained, a NC (no credit) grade will be assigned. If a NC grade is assigned, the student will not be allowed to challenge the same course again.
- 8. A nonrefundable material fee and a processing ee of \$15 will be assessed for each credit by examination petition in addition to the appropriate enrollment, and/or nonresident fees charged for each semester unit to be challenged.

Dropping a Class

Withdrawals prior to the end of the second week of the semester are not recorded on the student's transcript. However, students may officially drop a class or withdraw from college through the 10th week of the semester with a "W" recorded on the transcript. It is the student's responsibility to drop a class in which he/she no longer wishes to be enrolled. <u>Nonattendance does not release the student from this responsibility.</u> The last day to drop a Fall 2001 class is October 26 and the last day to drop a Spring 2002 class is March 22. Students will process all drops and withdrawals by telephone.

Drop Fee

No drop fees are being charged by the college at this time.

Extenuating Circumstances

Title 5, Section 55758, defines extenuating circumstances as those which apply to the college drop-date procedures as follows: verified cases of accidents, illness, death in the immediate family, jury duty, job displacement, and/or other circumstances which are justifiable in the judgement of the Dean, Admissions and Records.

Grading Procedures

All college work is measured in terms of both quantity and quality. The measure of quantity is the unit, and the measure of quality is the grade point.

Grades may be accessed by calling the Telephone Access System at 737-6101 during dates listed in the Schedule of Classes under "Grades". In addition, a hard copy of grades may be obtained at no cost at any of the self-serve terminals located on campus: Room 104, COS library, COS Farm, EOP&S Office, DSPS Office, and at the COS Hanford Center. Semester grade reports are no longer mailed to students.

For purposes of grading or transfer to other collegiate institutions, it is necessary for the student to obtain a "C" average.

"A," "B," "C," and "D" are passing grades, corresponding to excellent, good, satisfactory, and passing. "F" is failure. A grade of "I" (incomplete) will be given in cases of extenuating circumstances. The student is entitled to all grade points upon satisfactory completion of assignments within one year.

It is understood that instructors' grades when handed in are final and not subject to change by reason of revision of judgment on the part of the instructor.

"Credit/No Credit" Grading

Effective the Spring semester, 1996, all students enrolled in the 300 series (Course Number) of classes are graded on an "A," "B," "C," and "No credit" basis.

"Credit" grading (.5 units) is given to IS 200, Orientation for College Success. The Learning Skills discipline is awarded "Credit" and "No Credit" grading.

Honors Program

The Honors Program is open to highly motivated students who wish to participate in innovative classes where dialogue, writing and the interdisciplinary nature of knowledge are stressed. The Honors in the General Education portion of the program involves courses in English, Humanities, Science and History, each of which is accompanied by an Honors Colloquium that will develop and present workshops with visiting scholars and public figures. These courses will be part of the student's general education program, and when combined with one of COS's academic majors, provides excellent preparation for transfer to four-year colleges and universities.

The program is open to students in all majors and is designed to provide small classes where students can develop effective communication and reasoning skills. This program is currently under review and courses have not been scheduled for the Fall 2001 semester.

Incomplete Grades

Incomplete grades (I) may, at the instructor's option, be given for incomplete academic work due to extenuating circumstances. The condition for removal of the (I) shall be stated by the instructor in a written record. This record shall contain the conditions for removal of the (I) and the grade assigned in lieu of its removal if the required work is not completed. A copy must be given to the student with the original record on file in the Admissions and Records Office until the (I) is made up or the time limit has passed. A final grade shall be assigned when the work stipulated has been completed and evaluated, or when the time limit for completing the work has passed. The (I) may be made up no later than one year following the end of the term in which it was assigned. The (I) symbol shall not be used in calculating units attempted nor for grade points.

Independent Study

The purpose of an independent study is to provide an opportunity for students, under the direction of an instructor, to participate in advanced individualized studies to supplement existing courses. The independent study requires a minimum of 54 hours of academic work per unit.

Before a student may enroll.....

- the student must have completed ALL beginning level courses ~ offered at the college in the subject. Only in very unusual cases may students be enrolled in independent study without completing the beginning level courses.
- students must have written approval from:
 - the instructor; Э
 - С the division chairperson;
 - С Vice President, Academic Services.

Credit for Independent Study is accepted at the CSUs. Independent Study courses are accepted for the granting of transfer credit at a UC campus contingent upon an evaluation of the course outline by a UC campus (maximum credit allowed is 3-1/3 semester units per term).

Independent Study Application

Procedure

A student who has completed all beginning level courses and 1. wishes to pursue a subject of interest may obtain an independent study application form in the Admissions and Records Office, Room 107.

A student must be currently registered at COS in one or more units before applying for independent study credit.

- 2. The student seeking independent study should outline his/her proposal and discuss it with an appropriate instructor. With the instructor's approval, the student should then complete the independent study application form. Once the form is completed, the student should return it to the supervising instructor. This approval process should be completed before the third week of the semester.
- 3. The form should then be passed from instructor to division chairperson to the Vice President, Academic Services, before the end of the 3rd week of the semester.
- If approved, the form is sent from the Office of Academic Services 4. to the Admissions and Records Office and the course is entered on the student's schedule of classes. Registration is complete at this point. A copy of the approved form is then sent to the student by mail along with information regarding appropriate fees.
- 5. If disapproved, the reason for the disapproval is written (stated) on the form and returned to the instructor and/or division chairperson who approved the independent study. The instructor then notifies the student as to the reason for the denial.
- 6. Roll sheets will be distributed to the appropriate instructors by the Admissions and Records Office.
- 7. At the end of the semester, grade reports for the Admissions and Records Office at the same time as those for regularly scheduled classes.
- 8. If the independent study project must continue beyond the semester's end, a grade of "I" (incomplete) will be assigned to the student. An incomplete must be made up according to the stated procedure in the college catalog.
- 9, A complete roster of all independent study students will be kept by semester for a given year and filed in the Admissions and Records Office.

Leaves of Absence

Students finding it necessary to be absent for a period of five days or more are requested to obtain and complete a leave of absence form available in the Student Services/Counseling Office. The reason for the absence is to be indicated on this form, as well as the dates of the proposed absence. If the leave is granted by the instructor, the student has the right to make up the work missed to the satisfaction of the instructor(s).

Maximum Unit Limit

The normal load for a college schedule comprises 15-16 units of work.

Students may enroll in a maximum of 19 units each semester. Students on Academic or Progress Probation are limited to 13 units. Students wanting an exception to this rule must obtain a unit overload form approved by a counselor prior to registration. Units above the maximum must be registered by walk-in.

Courses offered as associate degree applicable will use the Carnegie Unit equivalent: 18 hours of lecture equal one lecture unit credit; 36 hours laboratory equal one laboratory unit credit.

In determining the total number of units offered through the course for laboratory class, the following combinations may be used:

- one hour lecture, two hours homework equal one unit of credit;
- one hour of lecture, one hour of laboratory, and one hour of homework equal one unit of credit;
- one hour of lecture, two hours of laboratory equal one unit of credit;
- three hours of laboratory equal one unit of credit;
- two hours of laboratory, one hour of homework equals one unit of credit.

Military Service Credit

To be eligible for military service credit, a veteran must have completed basic training and must have been honorably discharged. Credit will not be applicable until at least 15 units of credit with a grade point average of 2.0 (*C*) has been earned at the College of the Sequoias.

The college will grant credit on this basis only for service courses or schools as described in the "Guide of the Evaluations of Educational Experiences in the Armed Forces," by the American Council of Education.

A maximum of 15 units may be earned through military service credit.

Peace Corp Credit

Credit will be granted for service in the Peace Corps only if the work is earned on an official college transcript. No credit can be granted for field work.

Prerequisites and Corequisites

Title 5 Matriculation Regulations (Sections 55002, 55200, and 55201) state that students are entitled to enroll in any course for which they can meet necessary and valid pre- and co- requisites.

A "prerequisite" means a condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. Prerequisites shall be based on successful completion of an appropriate course (e.g. Math 230 with a "C" or better prior to attempting Math 45 or 21) or the college's assessment process using multiple measures. A "corequisite" is a condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course (e.g., Math 75 in conjunction with Engineering 1).

An "advisory on recommended preparation" means a condition of enrollment that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program (e.g., Drafting 160 with a "C" or better prior to attempting Drafting 161).

A "limitation on enrollment" is similar to a prerequisite because both are conditions of enrollment that a student is required to meet for enrollment in a course or educational program. A limitation on enrollment differs from a prerequisite because it is not based on the successful completion of a course or the college's assessment process using multiple measures (e.g., public performance courses requiring an audition).

Section 55201 permits the establishment of pre- and co-requisites if the particular pre- and co-requisites:

- a. were established prior to July 6, 1990, and are part of a sequence of degree-applicable courses within a given discipline; or
- were established between July 6, 1990, and November 4, 1993, in accordance with regulations in effect during this period of time; or
- c. are required by statute or regulation; or
- d. are part of a closely-related lecture-laboratory course pairing within a discipline; or
- e. are required by four-year institutions.

According to Section 55201 any pre- or co-requisite may be challenged by a student on one or more of the grounds listed in the regulations. Section 58106 describes similar grounds upon which a student may challenge a limitation on enrollment. These regulations are available in the offices of Student Services, Academic Services, and Matriculation upon request. The student shall bear the burden of showing that grounds exist for the challenge. Challenges shall be handled in a timely manner according to the Appeal and Grievance Procedures through Matriculation. The Appeal/Grievance form and procedures document can be obtained from the offices of Student Services and Matriculation. If the challenge is upheld, the student must be permitted to enroll in the course in question.

Probation and Dismissal

Academic Probation

A student who has attempted at least 12 cumulative semester units as shown by the official academic record at College of the Sequoias shall be placed on academic probation if the student has earned a grade point average below 2.0 in all units which were graded on the basis of the grading scale (T5 55754).

Unit Limitation

A student on academic and progress probation is limited to 13 units or to a maximum load recommended by the student's counselor.

Academics **•**

Academic Probation Removal

A student on academic probation for a grade point deficiency shall be removed from probation automatically when the accumulated <u>GPA is 2.0 or higher.</u>

Computation: Grade point Average equals Total Grade oints Earned divided by Total Units attempted with Letter Grade.

Academic Dismissal Procedures

A student on academic probation shall be subject to dismissal if the student earned a cumulative grade point average of less than 2.0 in all units attempted in each of the three consecutive semesters which were graded on the basis of the grading scale. Dismissals occur only after the Spring semester. In addition, no student will be granted credit in excess of 30 units for precollegiate basic skills courses, except in the case of a student who has applied for and received a waiver from the Dean, Admissions and Records.

The term "consecutive semesters of enrollment" is defined on the basis of student enrollment. For example, a student enrolled in two fall semesters and not enrolled for the spring semester between would have two consecutive semesters of enrollment. Summer session is considered a semester of enrollment for dismissal purposes.

Students on academic probation will not be dismissed after their third semester of below satisfactory work (below 2.0 semester cumulate GPA) if during that third semester and every subsequent semester they maintain a 2.0 semester GPA until their cumulative GPA is above the probationary level.

Academically disqualified students will be so informed by letter and notice of their status will be entered on their permanent record. A student who has been dismissed shall not be eligible for reinstatement or readmission until one semester has elapsed after the dismissal. Students may be notified of other requirements which must be fulfilled prior to submitting a petition for readmission. A petition for readmission is required prior to enrollment and is available from the Admissions and Records Office, Room 107.

Any student readmitted after disqualification remains on probation until probation removal requirements have been fulfilled. Students dismissed for the second time are not eligible to repetition for readmission until another semester of nonattendance has elapsed.

Academic Renewal

A student may petition the Academic Review Board to have "WF" and "F" grades disregarded from inclusion in the totals and grade points as listed on the permanent record. Prior to petitioning for the renewal of a "WF" or "F" grade, conditions (1) <u>and</u> (2) below must be met.

- (1) Fifteen or more semester units of lower division college work with a 2.0 ("C") or better grade point average at College of the Sequoias or another accredited institution of higher learning must be completed following the semester in which the "WF"/"F" grades were earned.
- (2) At least three years must have elapsed since the "WF"/"F" grades were received. Instructors who originally assigned the grades must give written approval for their forgiveness. In cases where the faculty members cannot be located, the final decision or forgiveness of "WF"/"F" grades will reside with the Dean, Admissions and Records.

Progress Probation

A student who has enrolled in a total of at least 12 cumulative semester units as shown by the official academic record at College of the Sequoias shall be placed on progress probation when the percentage of all units in which a student has enrolled and for which entries of "W," "I," and "NC" are recorded reaches or exceeds 50 percent.

After the second progress probation, students who satisfactorily complete 50 percent or more of units registered each semester will continue on progress probation rather than be dismissed (even if insufficient units have been completed to remove them from probation.) If students complete 49 percent or fewer of units enrolled in any semester while they continue on progress probation, they will be subject to progress dismissal.

Progress Probation Removal

A student on progress probation because of an excess of units for which entries of "W", "I", and "NC" are recorded shall be removed from probation when the percentage of units in this category <u>drops below 50 percent</u>.

Computation: Progress Percentage equals Total Units with "W," "I", and "NC" divided by Total Units Enrolled.

Progress Dismissal Procedures

A student who has been placed on progress probation shall be subject to dismissal if the percentage of units in which the student has been enrolled with entries of "W," "I," and "NC" are recorded in at least three consecutive semesters reaches or exceeds 50 percent.

Disqualified students will be so informed by letter and notice of their status may be entered on their permanent record.

A student who has been dismissed shall not be eligible for reinstatement or readmission until one semester has elapsed after the dismissal. Students may be notified of other requirements which must be fulfilled prior to submitting a petition for readmission. A petition for readmission is required prior to enrollment and is available from the Admissions and Records Office in Room 107.

Any student readmitted after disqualification remains on probation until probation removal requirements have been fulfilled. Students dismissed for the second time are not eligible to repetition for readmission until another semester of nonattendance has elapsed.

Student Progress

If satisfactory progress through College of the Sequoias' specialized support service programs (i.e., the Learning Assistance Center, etc.) is not made during two semesters, life-goal setting and career counseling will occur with the individual student involved. The Academic Review Board and selected faculty members will determine, for referral purposes, the most appropriate educational or community-based agency to better serve the student's need.

Report Delayed (RD)

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

Transfer Deficiencies

In the case of an applicant not eligible for clear admission to a college or university at the time of entrance to the community college, deficiencies in both subject and grade requirements for such admission should be removed in the community college.

Repetition of a college course for the purpose of removing a grade deficiency is permissible. Contact the Admissions and Records Office for details.

Withdrawal from College

Withdrawals will be processed through the Telephone Access System. Students withdrawing after the final drop date must bring documentation of approved extenuating circumstances to the Registration Office, Room 104, or the Dean, Admissions and Records.

Please refer to the section above regarding Dropping a Class for grading policies, fees and effect on the student's record relative to withdrawals.

Distance Learning

If you find it difficult to get to the COS campus for a weekly schedule of classes, our Distance Learning program may be just what you need!

COS distance learning classes allow you to complete most of the coursework outside the classroom, on your own time. Classes are offered in two formats:

- Online classes, requiring you to have access to a computer with an email account and/or the Internet.
- Television classes, broadcast on Channel 18, Choice TV, and Media One.

COS distance learning courses transfer to four year colleges and universities exactly like traditional classes held on campus. The coursework is equally rigorous. It's important to remember that success in distance learning classes will mean hard work on your part, plus good time management skills.

For more information, Check our web page at:

http:/zeus.sequoias.cc.ca.us/distance/index.html

College of the Sequoias Academic Senate Statement of Professional Ethics

Section I.

Community college faculty members, guided by a deep conviction of the worth and dignity of the advancement of knowledge, recognize the special responsibilities placed upon them. Their primary responsibility to their subjects is to seek and to state the truth as they see it. To this end faculty members devote their energies to developing and improving their scholarly competence. They accept the obligation to exercise critical self-discipline and judgment in using, extending, and transmitting knowledge. They practice intellectual honesty. Although faculty members may follow subsidiary interests, these interests must never seriously hamper or compromise their freedom of inquiry.

Section II.

As teachers, faculty members encourage the free pursuit of learning in their students. They hold before them the best scholarly standards of their discipline. Faculty members demonstrate respect for the student as an individual, and adhere to their proper role as intellectual guides and counselors. Faculty members make every reasonable effort to foster honest academic conduct and to assure that evaluation of students reflects their true merit. They respect the confidential nature of the relationship between faculty member and student. They avoid any exploitation of students for private advantage and acknowledge significant assistance from them. They protect the academic freedom of students.

Section III.

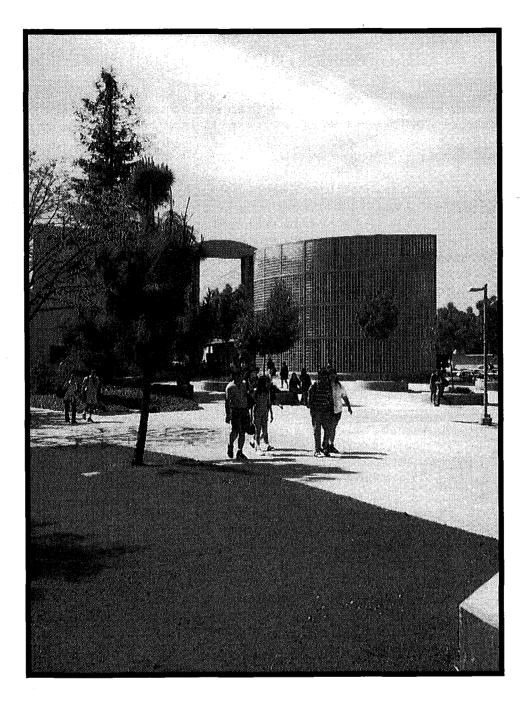
As colleagues, faculty members have obligations that derive from common membership in the community of scholars. Faculty members do not discriminate against or harass colleagues. They respect and defend the free inquiry of associates. In the exchange of criticism and ideas, faculty members show due respect for the opinions of others. Faculty members acknowledge their academic debts and strive to be objective in their professional judgment of colleagues. Faculty members accept their share of faculty responsibilities for the governance of their institution.

Section IV.

As members of an academic institution, faculty members seek above all to be effective teachers and scholars. Although faculty members observe the stated regulations of their institutions, provided the regulations do not contravene academic freedom, they maintain their right to criticize and seek revision. Faculty members give due regard to their paramount responsibilities within their institution in determining the amount and character of work done outside it. When considering the interruption or termination of their service, faculty members recognize the effect of their decisions upon the program of the institution and give due notice of their intentions.

Section V.

As members of their community, faculty members have the rights and obligations of all citizens. Faculty members measure the urgency of these obligations in the light of their responsibilities to their subject areas, to their students, to their profession, and to their institutions. When they speak or act as private persons, they avoid creating the impression that they speak or act for their college. As citizens engaged in a profession that depends upon freedom for its health and integrity, faculty members have a particular obligation to promote conditions of free inquiry and to further public understanding of academic freedom.



"The quality of a person's life is in direct proportion to their commitment to excellence, regardless of their chosen field of endeavor."

Vincent T. Lombardi

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Student Bill of Rights					
that all citiz	Preamble: College of the Sequoias' students, as members of the academic community, have the same rights and freedoms that all citizens have as students, and as students they are accountable to federal and state laws and statutes. In addition, students are also accountable to the College of the Sequoias Board policies and individual college campus rules and regulations.				
<u>Stude</u>	nt's Rights: In the context of these concepts, students' rights consist of the following:				
1.	In preparing student publications, the editorial staff and faculty advisors shall be free from censorship and advance copy approval. These publications shall do the following:				
	 Adhere to cannons of responsible journalism, such as avoidance of libel, indecency, undocumented allegations, attacks on personal integrity, and the techniques of harassment and innuendo; 				
	 b. State on the editorial page that the opinions expressed are not necessarily those of the college or the student body; c. Follow district policies, individual publications policies (The Campus and other publications of information) and the free flow of ideas as a public forum. 				
2.	Students shall have the right to take stands on issues, the right to examine and discuss questions of interest to them, and the right to support causes by orderly means which are in harmony with the regular functioning of the institution.				
3.	Students shall have the right to hear speakers on any subject, and on-campus recognized student organizations shall have the right to present speakers on any subject. In addition, students shall have the right of free assembly on campus subject to regulations that concern the regular functioning of the institution, to ensure that there is orderly scheduling of facilities and adequate preparation for the event. The recognized organizations, together with the Student Activities Office, shall be responsible for following the policies for scheduling and use of facilities for campus activities.				
4.	Students shall have the right to form an organization around any particular interest; this right will include the freedom to organize and join student organizations subject to published associated student and district regulations.				
5.	Students shall have the right to be informed on all campus matters that can be shown to be directly relevant to them by having a voice in decision-making that affects their academic future with the exception of staff appointment, termination, and tenure. In case of conflict in determining what campus matters are relevant to students, the determination will be made by the Committee on Student Conduct and Grievance.				
6.	Students shall have the right to have their academic records treated in a confidential and responsible manner with due regard to the personal nature of the information these records contain. Student's records will be released only on the written consent of the student, according to the law.				
7.	Students shall have the right of protection against prejudiced or capricious academic evaluation. At the same time, however, students are responsible for maintaining standards of academic performance established for each course in which they are enrolled.				
8.	Students shall have the right to receive the quality education as outlined in this catalog and in the Education code, Title 5, and the Code of Ethics of the teaching profession.				
9.	Students shall have the right to file a grievance under the procedures of the district student grievance policy which provides a prompt and equitable method of resolution.				

Student Grievance Procedure

College of the Sequoias has adopted a student grievance procedure under which students who feel that their rights have been abridged may appeal their cases to a committee composed of representatives from the administration, faculty, and student body. A full description of the procedures is available upon request from Student Services.

Anyone desiring additional information or wishing to file a complaint in regard to the above statement should contact the Executive Vice President of Student Services.

Student Record Privacy Rights and Access to Students' Official Records

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

 The right to inspect and review the student's education records within 45 days of the day the college receives a request for access.

Students should submit to the Dean, Admissions & Records or other appropriate official, written requests that identify the record(s) they wish to inspect. The college official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the college official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

(2) The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.

Students may ask the college to amend a record that they believe is inaccurate or misleading. They should write the college official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the college decides not to amend the record as requested by the student, the college will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

- (3) The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.
 - One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the college in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the college has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

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

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

> FAMILY POLICY COMPLIANCE OFFICE U.S. Department of Education 400 Maryland Avenue, SW Washington, DC 20202-4805

Certain kinds of information may be made available without a release. Such information is known as a "directory information" and consists of the following items: Student's name, address, telephone number, date and place of birth, major, photographs, weight and height of athletes, most recent previous school attended, activities, dates of attendance, degrees and awards received and institutions attended. Any student wishing to deny the release of his/her directory information may do so by indicating under the Family Education and Privacy Act Section on the COS application.

Sexual Harrassment

Policy

It is the policy of the College of the Sequoias District to provide an educational, employment and business environment free of unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct or communications constituting sexual harassment, as defined and otherwise prohibited by the State and Federal law.

Engaging in sexual harassment (as defined below), shall be a violation of this policy for those authorized to either recommend or take personnel or academic actions affecting employees or students, or those otherwise authorized to transact business or perform other acts of services on behalf of the College of the Sequoias

Educational Environment

Within the educational environment, sexual harassment is prohibited between employees and students, and between students and students.

Work Environment

Within the work environment, sexual harassment is prohibited between supervisors and employees, between employees and between nonemployees and employees.

Definition of Sexual Harassment

General Definitions

Sexual harassment is defined as unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature that:

- are made either explicitly or implicitly a term or condition of an individual's educational status or employment
- are used as a basis for educational or employment decisions affecting such individual; or
- have the purpose or the effect of unreasonably interfering with an individual's educational or work performance or which create an intimidating, hostile or offensive educational or work environment

Specific Examples

For the purpose of further clarification, sexual harassment includes, but is not limited to:

- Making unsolicited written, verbal, physical and/or visual contacts with sexual overtones. (Examples of sexual harassment which appear in a written form include, but are not limited to: suggestive or obscene letters, notes, invitations. Examples of verbal sexual harassment include, but are not limited to: derogatory comments, slurs, jokes, epithets. Examples of physical harassment include but are not limited to: assault, touching, impeding or blocking movement. Examples of visual sexual harassment include, but are not limited to: leering, gestures, display of sexually aggressive objects or pictures, cartoons or posters.)
- Continuing to express sexual interest after being informed that the interest is unwelcome.
- Making reprisals, threats of reprisal, or implied threats of reprisal following a rebuff of harassing behavior. The following are examples of this type of sexual harassment within the work place: implying or actually withholding support for an appointment, promotion or change of assignment; suggesting a poor performance report will be prepared; or suggesting probation will be filed. Examples of this type of sexual harassment, within the educational environment include: implying or actually withholding grades earned or deserved; suggesting a poor performance evaluation will be prepared; or suggesting a scholarship recommendation or college application will be denied.
- Engaging in explicit or implicit coercive sexual behavior within the work environment which is used to control, influence or affect the employee's career, salary and/or work environment.
- Engaging in explicit or implicit coercive sexual behavior within the educational environment which is used to control, influence or affect the educational opportunities, grades, and/or learning environment of a student.
- Offering favors or educational or employment benefits, such as grades or promotions, favorable performance evaluations, favorable assignments, favorable duties or shifts, recommendations, reclassifications, etc., in exchange for sexual favors.

Disciplinary Action

The College of the Sequoias Community College District forbids any form of sexual harassment, including the acts of non-employees. Prompt disciplinary action will be taken against any student, employee (supervisory or otherwise), engaging in sexual harassment.

Reporting Charges

The procedures for reporting charges of sexual harassment and for pursuing available remedies are available from the College of the Sequoias Title IX Officer, the District Affirmative Action Officer, Human Resource Services and the Student Services Office.

Sexual Harassment Complaint Procedure

Any student, employee or applicant for employment who believes he/she has been sexually harassed may file a complaint with the College of the Sequoias, Title IX Coordinator. In order for a complaint to be processed, the complaint must be filed within one year of the sexual harassment or within one year of learning of the sexual harassment (§ 59328)*.

The College is committed to ensuring that students, employees and applicants for employment are not adversely affected for having brought forward a sexual harassment complaint. All participants in these procedures shall be protected from retaliatory acts by the College, its employees and students. If retaliation or reprisal does occur, disciplinary action will be imposed.

Nothing in this procedure shall affect the right of the complainant to pursue the matter with any State or Federal enforcement agency. Sexual harassment complaints may be filed concurrently with an external agency to meet State and Federal agency deadlines without jeopardizing an individual's rights to pursue a complaint under this procedure.

Purpose of Complaint Procedure

This complaint procedure implements the civil rights protections against sexual harassment. Its purpose is to ensure that no person shall be subjected to sexual harassment under any program, activity or service offered by this College.

This procedure applies to the processing of sexual harassment complaints by any student, employee or applicant for employment who believes that she/ he is a victim of sexual harassment.

Informal Complaint Procedure

The purpose of this informal resolution process is to allow an individual who believes she/he has been sexually harassed to resolve the issue through a mediation process rather than the more formal process provided by the College. If it is determined that sexual harassment has taken place, resolution may require nothing more than an apology from the respondent and an assurance that the offending behavior will cease. The steps of the informal procedure follow:

- A. If the complainant believes that discussions of alleged sexual harassment with the respondent or his/her supervisor would be unproductive or inappropriate, the complainant may consult with the Title IX Coordinator.
- B. The Title IX Coordinator will counsel the complainant regarding the sexual harassment policy and complaint procedure.
- C. The complainant's allegation of sexual harassment shall be kept confidential by the Title IX Coordinator and used only to provide a factual basis for resolving the complaint. The Title IX Coordinator will explain to the complainant the nature and extent of the confidentiality provided by this process.

- D. The informal complaint procedure is initiated only when the complainant puts the allegation in writing and in any format comfortable for the complainant. The written statement should contain as much detail as possible including dates, time, description of incident(s), parties involved, any witnesses, etc. However, no official action on this specific allegation of sexual harassment will be taken if the complainant decides not to put the complaint into writing.
- E. Within 10 days of receipt of the informal complaint, the Title IX Coordinator shall contact the respondent in an attempt to resolve the matter informally. The respondent will be asked to provide a written response to the allegations.
- F. Within 10 days of discussing the matter with the respondent, the Title IX Coordinator will review the statements of both the complainant and the respondent and meet individually with each party in an attempt to resolve the matter.
- G. Steps A through F of this informal procedure shall be completed within 30 days.
- H. The completion of the informal procedure is a prerequisite to initiating a formal complaint under the College's sexual harassment complaint procedure. (§59328(b))*

Possible Outcomes of the Informal Complaint Procedure

- A. If the matter is resolved, the Title IX Coordinator will put the resolution in writing and meet with both parties who will review and sign the agreement.
- B. If the parties agree that there has been no sexual harassment and are satisfied with the resolution, the documents connected with the allegation shall be destroyed by the Title IX Coordinator and the complaint will be considered resolved.
- C. If the parties agree that sexual harassment has occurred, but are satisfied with the resolution, then the documentation connected with the allegations and resolution will be placed in a sealed envelope and remain in the possession of the Title IX Coordinator. At this point, the complaint will be considered resolved.
- D. If the complainant is dissatisfied with the resolution of the complaint, she/he should file a formal complaint immediately.
- E. If, after negotiations between the parties, it becomes clear to the Title IX Coordinator that an informal resolution cannot be reached, he/she will convey the determination to both parties. The Title IX Coordinator will also inform the complainant of the right to file a formal sexual harassment complaint under this procedure or to file a sexual harassment complaint with any appropriate State or Federal enforcement agency (i.e., Office of Civil Rights, EqualOpportunity Commission, Department of Fair Employment and Housing).

Formal Procedure

Administrative Determination

- 1. The complainant shall initiate the formal complaint procedure by filing a complaint in writing on the College's sexual harassment form.
- 2. Within 90 days of receiving the complaint (§59336)*, the Title IX Coordinator shall provide the complainant with:
 - a. A copy of the report of the College's investigation of the sexual harassment complaint.
 - b. The written decision that sexual harassment did or did not occur.
 - c. A copy of the proposed resolution of the complaint.
 - d. A description of the action taken by the College administration to prevent similar sexual harassment in the future.
 - e. Notice of the complainant's right to appeal the administrative decision to the Governing Board of the College.
 - f. Notice that both parties have a right to be accompanied by a representative at each step in this procedure.

Appeal to the Governing Board (§59338)*

- 1. If the complainant is not satisfied with the administrative decision, she/he has 15 days in which to file a written appeal with the College's Governing board.
- 2. Only the complainant has a right to appeal the administrative decision. (§59338)* However, a respondent who is an employee may have an opportunity to challenge any disciplinary action resulting from these proceedings.
- 3. Within 45 days of receiving the appeal, the Governing Board shall issue a final decision, or the administrative determination will be considered the final decision. However, a further appeal be made to the Chancellor of the California Community Colleges. (§59338)*

Further Appeal Options

- A. If the complainant is not satisfied with the decision of the Governing Board she/he has 30 days in which to file a written appeal with the Chancellor of the California Community Colleges. (59338)*
- B. Once again, the College shall inform the complainant of the right to file a sexual harassment complaint with any appropri ate State or Federal enforcement agency (i.e., Office of Civil Rights, Equal Employment Opportunity Commission, Department of Fair Employment and Housing).

*All references are to the California Code of Regulations, Title 5, Div. 6, Chapter 10, sub chapter 5, Article 3 unless otherwise noted. Title IX requires the Title IX Coordinator to investigate complaints of alleged sex discrimination, which includes sexual harassment.

Code of Student Conduct

Students are subject to charges of misconduct for any of the following acts on the college campus, an extension of the campus, or at a college-sponsored activity:

- 1. Cheating or plagiarism in connection with the academic program.
- Forgery, alteration or misuse of college documents or knowingly furnishing false information to the college.
- 3. Misrepresentation of oneself or an organization as an agent of the college.
- 4. Obstruction or disruption of the college's educational, administrative or other college process.
- 5. Physical abuse or the threat of abuse to any member of the college process.
- 6. Theft of or damage to college property or property owned by a member of the college community.
- 7. Unauthorized entry into, unauthorized use or misuse of college property.
- 8. Possession of or being under the influence of alcohol or unlawful narcotics.
- 9. Possession or use of explosives or weapons.
- 10. Indecentor obscene behavior.
- 11. Abusive behavior or hazing.
- 12. Gambling.
- 13. Any other cause identified as good cause by the Education Code or other laws governing a community college.

<u>Students charged with misconduct may be</u> subject to the following penalties:

- 1. Reprimand: Written warning that continued misconduct will result in more serious disciplinary action.
- 2. Temporary Exclusion: Removal from class or college activity for the duration of its scheduled period.
- Suspension: Exclusion from classes, activities, and/or student privileges for a specified number of days, up to a maximum of five days.
- 4. Expulsion: Termination of student status at this college.

<u>Certain members of the campus community are</u> <u>authorized to impose the above penalties as</u> follows:

- Any instructor may temporarily exclude the offending student from his class for the remainder of the class session and the next class day.
- 2. Any administrator may temporarily exclude the student from any college sponsored activity for the remainder of the activity time.
- 3. The Vice President of Student Services may impose a reprimand or temporary exclusion, or may recommend suspension or expulsion.
- The President of the College may impose suspension or recommend expulsion.
- 5. The Board of Trustees may impose expulsion.

Attendance

Regular class attendance not only is essential to the maintenance of satisfactory grades, but also is the means by which the college obtains financial support. So, your absences hurt you as a student and mean a loss of revenue to the college.

No person may attend or participate in class without being properly enrolled due to insurance stipulations. Students properly enrolled should not e accompanied in the classroom by children, nor should children be left unattended on the campus while parents attend class.

Each instructor has his/her own attendance policy which he/she will announce early in the semester.

Students should be aware that some courses and activities include trips and that they are responsible, first, for informing their instructors when they will be absent because of these trips and, second, for completing the work missed. If the instructor is late for class, students are obligated to wait for 10 minutes from the time the class is officially to begin before leaving.

If a student has **PRIOR** knowledge of a scheduled absence, they should obtain permission from the instructor prior to the absence. If advance notice is not possible, students should follow the instructor's instructions for reporting an absence.

Dropping a Class

It is the student's responsibility to drop a class in which he/she no longer wishes to be enrolled.

Nonattendance does not release the student from this responsibility.

Classes may be dropped by telephone. During "drop week", drops may occur by telephone or in Room 104 by walk-in. See printed Schedule of Classes for dates and times.

Eating

Eating is allowed in the Student Union and areas outside of buildings, **BUT** <u>IS NOT</u> permitted in classrooms or conference rooms.

Liquor and Drugs

Students and guests of students, regardless of age, may not use or be in possession or under the influence of alcohol or unauthorized drugs on either the main campus, college farm, Hanford Center, or at COS sponsored events. Violation of this regulation may result in citation and/or suspension or expulsion from college (25608 Business and Professional Code).

Smoking

The College of the Sequoias Board of Trustees has adopted a policy which does not allow the sale of cigarettes or any other tobacco products on the college campus and prohibits smoking in any of the college buildings. COS ordinance #204, per 76033e Educational Code.

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Pets

Pets are not permitted on campus without approval.

Messages

The college cannot relay any personal communication for such things as medical appointments, car breakdowns, lost keys, employer contacts, transportation problems, jury duty, etc. Only in the case of a legitimate emergency will messages be taken and delivered to students.

Posting of Materials

Clearance must be obtained from the Student Activities' Office for posting or distribution of any materials on campus. If there is any question of appropriateness, materials may be referred to the Executive Vice President, Student Services for clearance.

Materials may be posted only on bulletin boards that say "Approved for Posting" across the top. There is also a special "For Sale" bulletin board by the Student Services Office. General Advertisements (for sale, roommates or transportation needed, etc.) may be placed on cards available in Student Activities.

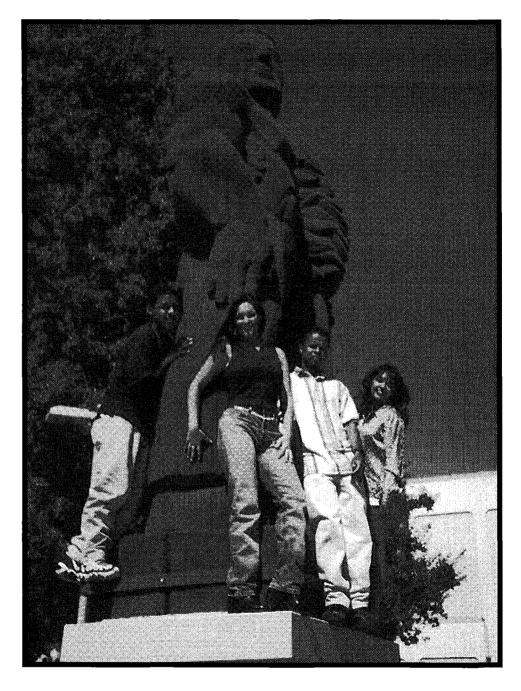
Student Field Trips

Student Transportation

Throughout the school year various classes will meet at off-campus locations. The college will not provide transportation to these sites and all transportation arrangements are the responsibility of each of the students enrolled in the class. Although district personnel may assist in coordinating this transportation and/or may recommend travel time, routes, caravanning, etc., these recommendations are not mandatory. The district is not responsible nor does the district assume liability for any injuries or losses resulting from non-district sponsored transportation. If you ride with another student, that student is not an agent of, or driving on behalf of, the district.

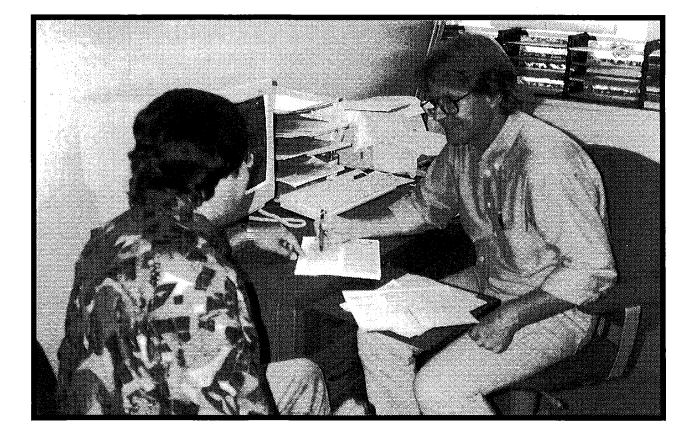
Voluntary Field Trips

Throughout the school year, the district may sponsor voluntary field trips and excursions in which you may want to participate. Be advised as stated in the California Code of Regulations, Sub Chapter 5, Section 55450, if you participate in a voluntary field trip or excursion, you are deemed to have held harmless the district, its officers, agents and employees from all liability or claims which may arise out of or in connection with your participation in this activity.



"Ability may get you to the top--but it takes character to keep you there."

Unknown Author



"In the middle of every DIFFICULTY lies opportunity."

Albert Einstein

Associated Student Body

The Associated Students of College of the Sequoias is the official student body organization. Upon payment of the student activity fee at registration, students become official members of the Associated Student Body and are represented by the Student Executive Board. Upon payment of the activity fee, students are issued a student body card which entitles them to participate in activities of the organization as long as they remain in good standing. Most activities which concern the student-body as a whole are sponsored by the Associated Students.

The business of the Associated Students is carried out by the Student Executive Board. Members comprising the Student Executive Board are: Associated Student-Body President, Vice-President, Commissioners of Activities, Clubs, Records, Finance, Publicity, California Student Association of Community Colleges Representative (CalSACC), and Student Board of Trustees member.

All clubs on campus are officially chartered by the Associated Student Executive Board.

Audio Visual

Hours:

Monday through Thursday	7:30 a.m. to 7 p.m.
Friday	7:30 a.m. to 4:30 p.m.
Saturday	12 noon to 4 p.m.

Audio Visual services are available in the Media Center located on the ground floor of the Instructional Media Center wing just west of the Library. In the AV Student Media Lab, students can view and listen to video tapes, videodiscs, compact discs, slide/tape programs, filmstrips and audio tapes.

As assigned by instructors, the following services are also available: video and audio tape editing, video and audio tape duplication, preview rooms, equipment check out, (camcorders, overhead projectors, slide projectors and cassette recorders), and overhead transparencies).

Bookstore

The COS Bookstore welcomes you to the College of the Sequoias. Conveniently located on campus, the bookstore carries textbooks and supplies as well as clothing, gifts, and other merchandise. Visit our web site at http:// bookstore.sequoias.cc.ca.us for textbook information and upcoming events.

Phone in your textbook order or reserve your books on the Internet! For information, find us online at http://bookstore.sequoias.cc.ca.us, or call us at (559) 730-3751.

The COS Bookstore encourages you to visit the store before the semester begins to avoid the long lines during the first week of class. It would be helpful to bring a copy of your class schedule with you while shopping for your textbooks. Textbooks are arranged by department, course, instructor, and section number. Textbooks are priced on the self tags below the books.

Discounts

It pays to purchase an ASB card! You will receive a coupon for new books at the COS Bookstore as well as additional discounts on all clothing and gift merchandise throughout the semester when you present your card.

Personal checks, Visa, Master Card, and Discover are accepted for payment provided a drivers license and student ID number are presented. All returned checks are turned over to Sequoias Check Collection and assessed a \$30.00 service fee.

Refunds and Exchanges

A COS Bookstore receipt must be presented for any refund or exchange. Refunds on required textbooks will be given through late registration. For more information on the refund policy, visit our web site or stop by the COS Bookstore. New books must be in perfect condition to return. Books and/ or software which have "shrink wrapping" must still be sealed.

Buy Back Policy

The COS Bookstore will sponsor a Buy Back for students wanting to sell their books for cash. Books needed for the upcoming semester may be bought at 50% of the new price. Wholesale prices may be offered for current editions no longer needed on campus. Although a receipt is not required, you will be offered more cash back when you present your COS Bookstore receipt.

<u>Hours</u>

SPRING AND FALL SEMESTERS

Hours: Monday-Thursday 7:45 a.m. - 7:00 p.m. Friday 7:45 a.m. - 4:00 p.m.

SUMMER SEMESTER

Hours: Monday-Thursday 7:45 a.m. - 5:00 p.m. Friday 7:45 a.m. - 11:30 a.m.

NOTE

Extended hours during registration

The staff at the COS Bookstore is here to serve you. If you have any questions or requests, please feel free to contact us.

Beck Covington,	
Bookstore Manager	730-3821
Dorianna Gomes,	
Bookstore Operations Coordinator	730-3759
Marcy Dias,	
Textbook Buyer	730-5750
Josie Cote,	
Special Accounts,	
Programs & Scholarships	737-6155
Alice Hernandez,	
Merchandise Buyer	737-6131
Jim Anderson,	
Shipping & Receiving	737-4837\

CalWORKs Program

The CalWORKs program receives funds from the California Community College Chancellor's office to partner with a variety of agencies in order to provide training and support services to students who are welfare recipients. Funding includes provisions for job development and placement, program coordination, curriculum development and redesign, childcare, work-study, and, under limited circumstances, instruction. CalWORKs funding is intended to augment existing services, both at the campus and in the community.

Campus Parking

Parking facilities on campus are extremely limited. Students are encouraged to participate in car pools or ride public transportation rather than drive their own vehicles because of the added safety, financial savings, and parking congestion.

Those who do bring vehicles on the main campus or college farm are required to purchase a permit and to obey ALL PARKING regulations. Citations may be issued by the Campus Police to anyone who is in violation of the college parking policy or California Vehicle Code. A brochure containing the parking policies is available at registration or at the Campus Police Office.

Students wishing to park on campus must pay a fee for a semester parking sticker. The cost is \$15 for full-time and part-time students. Permits must be paid for at the Cashier's Office and picked up at the Campus Police Office. Business hours are 7 a.m. to 9:30 p.m., Monday through Thursday; and Friday, from 7 a.m. to 5 p.m.

Students not wishing to purchase semester parking stickers may purchase one-day parking passes for 50 cents from the dispensers located in Parking Lots 1, 3, 4, 6, 7 and at the College Farm.

Parking refunds will be available to students withdrawing from school prior to the end of the second week of instruction. Students withdrawing from school after the second week will not receive refunds.

Refund Procedure:

- Apply for parking refunds at the Campus Police Office in Lot 1.
 A \$3 service fee will be deducted from all full-time and part-time
- permit refunds.
- Parking permits or remnants must be returned to the Campus Police Office before refunds will be processed.
- A refund check will be mailed in 6-8 weeks.
- Permits must be picked up as soon as purchased as a limited number will be issued.

Purchase of a parking permit does not guarantee a space will be available. The College District is not responsible for losses due to theft or damage. All parking lot users are urged to lock their vehicles and not leave valuables within view.

Career Center

A complete career counseling program is offered to students, as well as other interested parties. The main emphasis of this program is to assist individuals in finding careers, occupations, and college majors that will contribute to a meaningful life experience. The center offers career testing, computerized career search programs, and bibliographical resources.

The Center also provides students with assistance in finding employment to help pay the costs of their education. A job board provides a listing of local on/off campus positions. Students may use the Center's computerized self-referral system for direct connection with employers. The Center hosts workshops in career and job related topics such as interview techniques, resume preparation and labor market information. The Career Center is located in the Student Services Center, Room 106.

Child Care

The Child Development Center serves as a training laboratory for students in the Child Development Program, students going into the child care business, as well as parents and community members. The professionally staffed child development center offers an exemplary early childhood education program. The facility is located at 1945 West Meadow Lane, Visalia.

At this center, child care is provided for GAIN/JTPA participants with some openings for other COS staff and students.

Call the Training Center if you have any questions about qualifications and referral to other child care services--730-3918.

Clubs and Organizations

Students are encouraged to become active in one or more of the various clubs at COS to enrich and round-out their college experience. A list of clubs, their advisors and meeting times is listed on various bulletin boards on campus. Further information is available in the Student Activities Office located in the Student Activities Office, Room 112.

Any group which wants to be organized at COS must be chartered through the Associated Student Body. Forms are obtained in the Student Activities Office, Room 112.

An "Activity Hour" is scheduled on Tuesdays and Thursdays at 12 noon for activities. It is set up so groups can plan meetings, social activities, and assemblies when most students are free to attend. An effort is made to schedule a minimum number of classes during these hours.

Counseling Services

Counselors at College of the Sequoias provide complete educational and career guidance services. They meet with students on an individual or small group basis for a range of purposes: interpreting the assessment scores, recommending further assessment/testing, determining specific courses for immediate and future registration, developing a Student Educational Plan, identifying a person's concerns for referrals and services, and supporting the progress and successful achievement of the student's goal through follow-up services. Personal and social concerns are also addressed as they relate to college success. Students are encouraged to take advantage of these services offered at no cost.

The purpose of counseling is to help students succeed in their studies through self-evaluation, decision-making, careful planning, and commitment. Because accurate information is essential, our counselors are dedicated to insuring that students receive current and correct information. This information is usually documented in a Student Educational Plan which reflects the current goal of a student. Students wishing to change their goal should see a counselor to revise their Student Educational Plan.

Counselors are available during the day either by appointment or on a walk-in basis. Evening counseling is available by appointment only. It is advised that students make appointments well in advance of registration because of the high demand for counseling. Walk-in students should be aware that they may have to wait to see an available counselor.

College of the Sequoias' students wishing to make an appointment on the main campus may call or stop by the Counseling Office located in the Student Services Center. The telephone number is (559) 730-3741, or 730-3715. To schedule a counseling appointment on the Hanford campus, students may call (559) 585-3933.

COS Campus Police Department

The COS Campus Police Department functions for the protection of school facilities, students and staff. It also sells daily parking permits for students wishing to park on campus who don't buy a semester permit during registration.

Other services provided by the Campus Police Department include:

- 1. Autolockout assistance
- 2. Traffic accident reports for insurance purposes
- 3. Escort service from building to parking areas
- 4. Patrol of buildings and parking areas to aid in crime prevention
- 5. Campus lost and found
- 6. Investigations of theft and other crimes
- 7. Security functions at COS-sponsored special events
- 8. Emergency medical aid services

Students should remember to always lock their cars and lockers and not leave valuables unsecured in hallways or dressing rooms. Do your part to prevent crime on campus by reporting all suspicious activity to the Campus Police Department.

The Campus Police Department is located in Parking Lot 1 off Meadow Lane. Call 730-3999.

Deaf and Hard of Hearing Services

COS employs a lead interpreter to coordinate academic support services for the deaf and hard of hearing population.

Services depend on individual need and may include any of the following: educational assessment; individual educational planning; in-class interpreters (oral, manual and total communication interpreters); specialized tutoring; vocational, academic and personal counseling; notetakers; specialized telephone equipment (TTY); and a personal FM system.

For additional information, contact the Disability Resource Center Office, 915 S. Mooney Boulevard, Visalia, CA, 93277, or telephone (559) 730-3805, (TTY 730-3913).

Disability Resource Center

Services are provided to enhance accessibility to and success in all classes and activities offered at College of the Sequoias.

Services are individualized, with personal, physical, academic, and vocational needs considered. Services may include, but are not limited to: academic, personal and vocational counseling; specially designated parking; mobility assistance; interpreting for the deaf; notetakers; resources for the visually impaired; specialized equipment; test accommodations; and adapted physical education. Further information may be obtained by contacting the Disability Resource Center, 915 S. Mooney Boulevard, Visalia, CA, 93277, or telephone (559) 730-3805. (TTY 730-3913).

Extended Opportunity Programs and Services (EOP&S)

Extended Opportunity Programs and Services (EOP&S) is a state funded program that provides targeted recruitment to those students identified as being financially or educationally disadvantaged. Academic and personal counseling is emphasized and progress is monitored. Tutorial and supportive social services are available for student success. A special Summer College Readiness Program is offered to entering freshman. Students who feel uncomfortable starting college or are having problems trying to make it through college, should visit the EOP&S Office, Room 108, for information and assistance.

<u>C A R E</u>

(Cooperative Agencies Resources for Education)

CARE is the combined effort of Health and Human Services and Extended Opportunity Programs and Services of the College of the Sequoias.

CARE will assist single parents receiving TANF (Temporary Assistance to Needy Families) to:

- Increase their educational skills
- Enhance their employability
- Become more confident and self-sufficient
- Move from TANF to independence

Students eligible for student financial aid may receive an augmented grant for child care expenses.

For more information about CARE, inquire in the EOP&S Office, Room 108, or call 730-3818.

Financial Aid Programs

College of the Sequoias recognizes that many students need financial assistance to pursue their educational goals and strives to provide this assistance to as many students as possible. The College offers a coordinated program of scholarships and grants, loans and employment opportunities to assist students in meeting their college expenses.

Financial aid awards are made on the basis of demonstrated financial need. For the purpose of establishing financial need, students should submit the Free Application for Federal Student Aid (FAFSA). Application materials and detailed instruction booklets will be available at California high school counseling offices and/or College of the Sequoias Financial Aid Office after January 1 of each year. For further information, please contact College of the Sequoias Student Financial Services Office in Room 103B or call 730-3747.

Limited Financial Aid Services are offered at the Hanford Center.

Food Services

College of the Sequoias offers its students three food service areas.

A snack bar (food court) with an outside seating area is located at the south end of the Business building. The snack bar offers a variety of snacks, which include candies, ice-creams, crackers, cookies; a variety of drinks, light lunches and sandwiches. The snack bar is open 7 a.m. to 9 p.m. Monday through Thursday, and Fridays, 7 a.m. to 2 p.m.

There is an outside seating area west of Room 104 (registration area) where there is a snack bar (coffee shop) which also serves sandwiches and a variety of drinks. The coffee shop is open from 7 a.m. to 5 p.m., Monday through Thursday, and Fridays, 7 a.m. to 2 p.m.

Carl's Jr. and a "taco bar" are located in the old Student Union. They are open Monday through Thursday 7:30 a.m. to 7:00 p.m. and Fridays 7:30 a.m. to 1:00 p.m. Both breakfast and lunch are served. Breakfast orders end at 10 a.m.

Housing Services

The Student Activities Office provides a Housing Bulletin Board to assist students in locating apartments, rooms, and houses in the local area. Anyone interested in posting a listing should stop by the Student Activities Office Room 112 or call 730-3736. The Housing Bulletin Board is located near Room 109. There are no dormitories on campus

Insurance Coverage for Students

All students are covered by an accident insurance policy that provides coverage for accidents occurring during school-sponsored, supervised curricular and co-curricular activities. The policy coordinates with students' personal insurance so duplicate benefits are not paid. "STUDENTS INVOLVED IN AN ACCIDENT MUST FILL OUT AN ACCIDENT FORM AND CLAIM IN THE ATHLETIC OFFICE."

Students may also buy voluntary health insurance through COS during registration. Coverage may be extended to include spouse and children. Although the plan is a voluntary one, the college recommends that every student be covered by this policy or an equivalent one. Extreme financial hardship can result when a major illness or accident occurs and there is no insurance protection. More information is available in the Athletic Office and Health Center.

Learning Center

Learning Center Hours	5
Monday through Thursday	8:00 a.m 8:30 p.m.
Friday	8:00 a.m 4:00 p.m.
Saturday	12:00 p.m 3:30 p.m.

The Learning Center is closed during holiday weekends and school breaks. Summer school hours will be posted at the entrance.

The Learning Center, with 48 computers networked with a wide variety of library resources and course tutorials, plus word processing, graphic, and spread sheet applications and Internet access, is open to all COS students, faculty and staff, once they've registered for a free account. Librarians and Learning Center staff are on hand if students need help in registration. Guidelines for appropriate Learning Center computer use are posted throughout the Learning Center. Learning Center computers are for instructional use only-games are not permitted.

Many of the Learning Center computers plus two workstations provided by CSU Fresno access the book collection at Fresno State's Madden Library and a number of very useful periodical index/full text sources.

Library

Library and Media Lab Hours* Monday through Thursday 7:30 a.m. to 9 p.m. Friday 7:30 a.m. to 4 p.m. Saturday 12:00 p.m. to 4 p.m.

*The library is closed during holidays, Sundays, and school breaks. Summer school hours will vary and will be posted at the entrance.

The COS Library is located at the center of the campus. All COS students, faculty and staff are welcome to use the library for class related research, study, reading, viewing and listening, and for developing personal knowledge. Due to our cooperative agreement with CSU Fresno, CSUF Center students, faculty and staff are also welcome to make full use of Library Services.

The Library's main floor houses reference services and materials, the reserve book collection, the general book collection ranging from Dewey numbers 400 to 999, the pamphlet files, and circulation services. The main floor also houses the Learning Center, an open access computer lab in which 48 computer workstations are networked with a wide variety of resources, course tutorials, word processing, graphic and spreadsheet applications, and access to the Internet. All students may register for a free Learning Center account which allows use of any of the Learning Center computers according to the guidelines posted throughout the area. Study space on the main floor is limited, with the tables near the law and reference collections reserved for use of those materials. However, students will find a spacious quiet study area in the Periodicals Room.

The balcony area overlooking the main floor houses the general collection, Dewey numbers 001 to 399. An exit at the right end of the balcony leads to an outdoor stairway. A sign at the top of the stairway to the Periodicals Room, straight ahead.

The Periodicals Room, straight ahead at the top of the stairs, houses the Library's periodical collection of over 420 magazine and newspaper subscriptions. The Periodicals Room also houses print and computer indexes to the periodical collection, several microfilm reader-printers, a typewriter for student use, and a large study carrel area. Six small conference rooms for group study are available to students on a first come, first serve basis. Photocopy machines are located in Periodicals and near the main floor reference area.

The 60,000 plus books in the general collection and the 18,000 books in the reference collection have been selected to complement and support classes taught at COS. These book collections are accessed by six computer terminals located on the main floor near the reference desk.

Reference librarians are available at the information desk to help library users develop search strategies, track down the information they need via the Learning Center computers and print collections, and provide classroom instruction on research strategies. When it's necessary to go outside the COS Library collections to find needed research materials, reference librarians will provide interlibrary loan service whenever it's feasible.

The COS Library is committed to providing college library service to the students, faculty and staff at the COS Hanford Center. A reference librarian is available to the small Hanford Center Library a number of hours each week to help library users locate the information they need and to provide bibliographic instruction in the classrooms. Although the schedule varies semester

by semester, the hours are always posted at the Center. From the Center Library, Hanford students can access the COS computer catalog, locate books on the topic they're researching, and request delivery of four books weekly to the Hanford Center. A computer index to periodicals, ACADEMIC AB-STRACTS, indexes for over 700 journals, 300 of which are in the COS Library's periodicals collection. Hanford students may print out bibliographies of periodical citations from ACADEMIC ABSTRACTS and request photocopies of articles from those magazines held by the COS Library, to a total of four copies per week. These photocopies generally arrive by fax at the Center within a couple of days of the request. Students may also print out full text articles from 90 of the journals indexes in ACADEMIC ABSTRACTS at ten cents a page. The Hanford Center Library also houses a small reference collection.

LISTO Program

LISTO is a program designed to increase the retention and success of low-income students entering College of the Sequoias. Participants in the program enroll in a group of courses with their fellow LISTO students. These Learning Communities allow the incoming freshman or returning student the opportunity to create a support network of classmates and also to receive the attention and support needed for academic success.

MESA Program

The MESA Program (Mathematics, Engineering Science Achievement) is a state-funded program that assists students declaring intent to transfer to a four-year institution and to major in a Math/Science based field (i.e., Science, Engineering, Computer Science, Math, Chemistry, Biology, Agriculture, and Health Science). The MESA Program targets students who are eligible for EOP&S or for a Board of Governor's Grant Waiver.

MESA students receive tutorial assistance, Math/Science workshops, academic advising, tours, and networking with four-year universities and industry. The MESA Center is also available to any student needing short-term help in math or science courses. For further information, please call the MESA Center at 737-4826 or 737-4827.

Mini-Corps

COS houses a Mini-Corps Program for students with a migrant-farm working background, and who plan to go into bilingual education. Those students serve as role models and tutors for migrant children in our local schools.

Participants must have at least a 2.0 G.P.A., a financial need, a flexible schedule and be a full-time student with access to a vehicle. Students will be paid a monthly salary of approximately \$270.00 for an average work week of 10 1/2 hours.

Mini-Corps Training (IS 101a-d Cross Cultural Education) aquaints students with cross-cultural experienes with migrant children. The class will also provide students with the following necessary instructional tools that will support and assist migrant children in achieving success in school:

- Language Development Strategies
- Standards and Early Literacy Strategies
- Interactive Journals
- Guided Reading Strategies
- Target Teaching
- Lesson Planning Using Standards
- Leadership: Initiatives, Team/Trust Building, Risk Taking
- Development of Personal Portfolios

Students interested in the program should contact the Mini-Corps Office in Room 108C or call 730-3958.

Orientation Services

Orientation is a required activity for all newly matriculated students at College of the Sequoias. A comprehensive orientation program includes an hour general information session, one small group session, an individual counseling appointment and the development of a Student Educational Plan. The entire process takes approximately 2 hours; a student is then ready to register for classes through telephone registration.

Additional orientation activities occur during the academic semester. A set of college survival workshops are offered to assist students in the development of their study skills throughout the semester. Math, Test Anxiety and Time Management are examples of some popular workshops. Contact the Student Assistants in the Student Services Center for information regarding the dates and locations of the workshops.

Puente Project

The Puente Project was founded in 1981 by the Co-Directors, Felix Galaviz and Patricia McGrath, at Chabot College in Hayward, California. The Program mission was to increase the number of Mexican-American and Latino community college students who transfer to four-year colleges and universities. As an outgrowth of its success as a community college program, Puente was awarded funding in 1993 to replicate the program in 18 California high schools. Puente is open to all students.

The mission of the Puente Project is to increase the number of educationally underserved students who enroll in four-year colleges and universities, earn degrees, and return to the community as leaders and mentors to succeeding generations. There are three components to the program:

- English Instruction: Puente students take two consecutive writing classes, English 251 in the fall and English 1 in the spring. The content of the courses focus on Mexican-American/Latino authors and issues;
- Counseling: Puente students work closely with their Puente counselor until they graduate. Students also enroll concurrently in Human Development 120a-b, a study skills course, and;
- 3) Mentors: Each Puente student is matched with a mentor from the business or professional community. Mentors share with students their personal, academic and career experience, and provide a window into "real-life" work environments.

Students attend an annual Puente conference and visit universities. Puente is open to all students. For more information, call Teresa Guadiana, Puente Counselor, at 730-3853 or Joni Jordan, Puente English Instructor, at 730-3957.

Scholarship Program

College of the Sequoias offers numerous Scholarship Awards each year to eligible student applicants. Awards sponsored by the College, COS Foundation and many community donors, range from \$150 to \$6,000 and are offered to incoming freshman, continuing sophomores, and graduating/ transferring students.

Eligibility information, applications, and a Scholarship Directory may be obtained from the Scholarship Office located in the Administration Office. Contact the Scholarship Office for application deadlines.

Student Activities

COS recognizes its responsibility for students' emotional and social growth. The college, therefore, offers a variety of co-curricular programs, including student government, athletics, music groups, clubs, assembly programs, community service projects and social activities. Further information on any activities can be obtained through the Student Activities Office, Room 112.

Study Abroad Program

You can earn full college credit while studying abroad in programs that take advantage of your location to study art, literature and other subjects first hand. Contact the Dean in Room 550 for more information. Programs available in 2001-2002.

London, England--Fall 2001 Paris, France--Spring 2002

Student Health Center

Services offered have evolved based on student need. Current services include blood pressure screening, T.B. skin testing, vision and hearing screening, immunizations, health counseling, pregnancy testing, psychological counseling, and nursing assessments. The health center staff will assist with counseling referrals for drug and alcohol abuse, mental health, eating disorders, pregnancy, family planning and illness. A rest area and some over-the-counter medications are available for students.

Health education information and materials are available in the Health Center on topics such as physical fitness, wellness, sexually transmitted diseases, AIDS, diet and nutrition. Contact the Health Center for more information.

A \$12 health fee is charged to all COS students enrolled in units for Fall and Spring semester classes or the Community Service Option and an \$9 health fee is charged for Summer Sessions. If you have any questions, contact the Health Services Coordinator at 730-3880 or 730-3881.

Tutorial Center

The Tutorial Center provides individual or small-group tutoring free of charge to any student who wants to improve his/her class performance. Tutors are available for most classes. The Center strives to teach students to be independent learners by training them in study skills such as how to take notes, improve memory and take tests.

The Tutorial Center is located in the northeast corner of the Library Building and is open from 7:30 a.m. to 8:00 p.m., Monday through Thursday and from 7:30 a.m. to 4:30 p.m., Friday.

Transfer Center

The Center offers many services to help students prepare for transfer to a four-year institution. Examples of available services include: regularly scheduled visits by representatives from four-year colleges and universities; university campus tours; specialized workshops; monthly calendar of transfer activities; assistance with completing application forms; catalogs and a reference library; applications for the CSU and UC systems; and information sheets regarding the CSU and UC admission requirements.

Veteran's Educational Benefits

College of the Sequoias is approved for training of veteran students under the provisions of State and Federal law. Dependent's Educational Assistance is also available to children and dependents of service-connected disabled or service-related deceased veterans. Students planning to attend the college and request certification for Veteran Benefits should contact the Veteran's Office at (559) 730-3854 or visit office 103B to receive information regarding required forms and procedures.

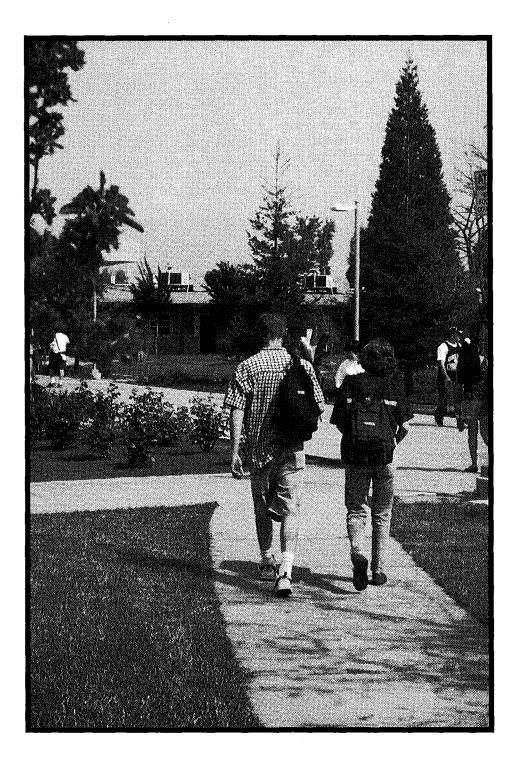
College policy regarding Academic Probation applies to all students including veterans. When a veteran student receiving educational benefits is placed on Academic Probation for failure to maintain a 2.0 or "C" grade point average, he or she has one semester to improve their grades. If, after one semester of probation the GPA has not improved, then the college is required to notify the Veterans' Administration that the veteran student is not making satisfactory progress. Should educational benefits be discontinued, reinstatement may occur only by the Veterans' Administration. For more information, please contact the Veterans' Program Specialist at (559) 730-3854. Limited Veterans' Services are available at the Hanford Center.

Work Experience

The Work Experience Program offers students the opportunity to earn elective credit (1-4 units) related to work they are doing within the community. This program is open to all majors with acceptable employment (paid or volunteer). Students interested in participating may contact Lisa Greer in the Career/Transfer Center or call 730-3742.

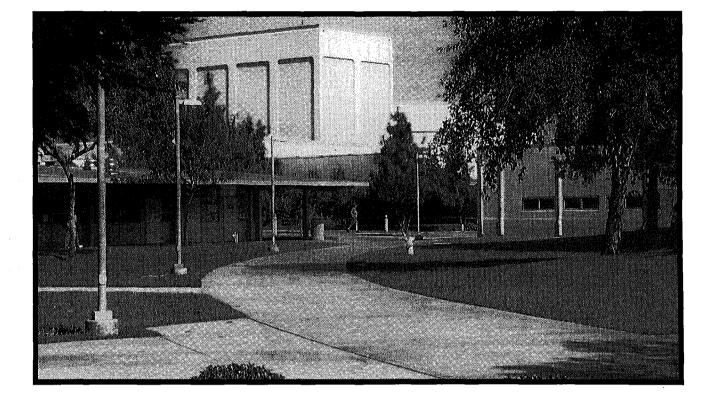
Work Study Program

The Work Study programs at College of the Sequoias offer government subsidized employment in the form of part-time, temporary work for students who need additional income to yelp pay for their educational costs. COS provides three separate Work Study programs: CalWORKSs, State and Federal Work Study. The programs encourage recipients to participate in community service activities. For more information, please contact the Work Study Specialist, Dianna Fauvor, at 730-3856, located in the Career Center, Room 106.



"You were born an original... Don't die a copy."

John Mason



"Life is what happens to us while we're making other plans."

John Lennon

Agriculture

Larry Dutto, Chairperson

Tulare County is the leading Agriculture producing county in the nation and agriculture is the largest industry in California. COS is located in the center of this county and there are numerous educational and career opportunities for those students attending COS.

A student can complete a certificate, degree or become general education certified to transfer to a four-year university. The COS Agriculture Department offers numerous evening and short-term classes for the upgrading of skills for individuals who are already employed in the agriculture industry.

The future is exciting for the division with the proposed relocation of the COS Agriculture Department Laboratory from it's current facility to a new facility. The proposed laboratory will consist of 200 acres of diversified crops, livestock and equine facilities. The COS Dairy program will be part of the California Dairy Technology Center which will operate a 1,000 cow commercial dairy, research herd and COS students will work with U C Davis Vet students. The California Dairy Products Training Institute (CDPTI) operates a dairy processing facility.

The Agriculture Department has recently updated its computer laboratory to one of the newest and most complete on the College of the Sequoias campus. The department maintains the most modern welding and fabrication shop in the entire community college system.

A supervised work experience program is an important part of instruction, which links the college with industry and provides valuable experience for our graduates.

Extracurricular activities are a vital part of the COS Agriculture Department. Several clubs such as the Ag Business, Dairy, Horse and Ag Council offer students leadership skills. COS serves as the headquarters for the California Community Colleges Agriculture/National Resources Organization of Student Leaders. This organization offers leadership training for students and a statewide competition in a variety of skill based training.

Faculty in the Agriculture Department are experts in their disciplines and are dedicated to teaching. There are several adjunct faculty from the agriculture industry who teach in a variety of areas which enhance the educational opportunities for students. Faculty and staff are eager to help students learn and are available as agricultural counselors and advisors.

Business Linda Kennedy, Chairperson

The mission of the Business Division is to educate and train students for employment in the business world, while also meeting the lifelong learning and retraining needs of our local community. The courses, certificates and majors offered by the division are designed to support the dual transfer and vocational missions of the College.

A broad range of transfer-level courses are available for students seeking to pursue a four-year degree. Associate of Science degrees are offered in seven different business areas. Fourteen vocational certificates, requiring from one to four semesters, are available to assist students who are interested in updating business skills or who will directly enter the job market.

Business

Linda Kennedy, Chairperson

With the explosive growth in technology-based job skills requested by employers, the Division provides hands-on experience in:

Access

Excel Word WordPerfect COBOL Visual BASIC Windows/DOS World Wide Web Keyboarding Software ProSeries Tax Preparation Software West Group Legal Research & Documents Software FrontPage PageMaker PowerPoint QuickBooks

To meet the needs for computer experience, the Business Division offers both beginning and advanced coursework. The classes are schedule during the day, evening and weekend time periods. Facilities include four state-of-the-art computer classroom/labs and a dedicated computer lab which is staffed with instructional assistants.

Students may select a concentrated field of study leading to a certificate in:

Accounting	Family Support Officer
Administrate Assistant	Law Office Clerk/Receptionist
Business, General	Legal Documents Clerk
Computer Applications	Marketing
Computer/Information Systems	Paralegal Real Estate
Computer Web Technician	Word Processing

Computerized Office ProceduresCertificates range from 14-36 units. Additionally, students who successfully complete Individual Income Tax ACCT 282 qualify to be certified by the California Tax Education Council as tax preparers.

Paralegal Program

The objective of the Paralegal Program is to train students to work in a legal office environment. The Paralegal major and certificate are approved by the American Bar association. A paralegal is a person qualified by education, training or work experience who is employed or retained by a lawyer, law office, corporation, governmental agency or other entity and who performs specifically delegated substantive legal work for which a lawyer is responsible.

A paralegal is not an attorney and, therefore, cannot give legal advice or represent another in court, except under very limited circumstances provided by law. This is not a four-year transfer program or a prelaw program. Students admitted into the program must have a high school diploma or have passed an equivalency examination. Because of the standards set by the American Bar Association, the Paralegal major places additional general education requirements for graduation. Consult the Paralegal General Education Pattern listed on the major and certificate page of paralegal in this catalog. The program Includes work experience and assistance with job placement.

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Consumer Family Studies

Paulette Kitchel, Chairperson

Focus of Consumer/Family Studies

The focus of Consumer/Family Studies is to improve the quality of life for individuals and families. Our classes do this by helping students fulfill transfer and AA/AS degree general education requirements, achieve vocational goals, enrich lifestyles, expand horizons, develop imaginative outlets for creative talents and leisure time, explore alternate methods of using resources and update everyday skills and knowledge.

Areas of Study

The following are the general areas of study taught in the Consumer/ Family Studies Division:

Child Development is designed to help students develop an understanding of the development of children and relationships with them. The child development program provides classes for persons wanting to work in private child care programs and preschools; classes to earn a Child Development Permit for employment in state or federally funded programs; classes for infant/toddler care; classes in administration for director qualifications; classes for a Special Education option; classes for an AA/AS degree in Child Development; and/or classes for a transfer option. Child Development 39 and 42 are Area D transfer general education classes; and CFS 80 is an Area E transfer general education class. Two vocational certificates are available in the child development program.

Consumer Economics is designed to help students adapt to the complexities of consumer decision-making. Emphasis is on money planning, credit use, insurance and consumer protection suitable for an individual's or family's lifestyle. CFS 186 is an Area E transfer general education class.

Fashion is designed to help students become familiar with individualizing current fashion and personal image trends to their vocational and personal needs. The fashion program provides classes for persons interested in fashion merchandising, fashion design, clothing construction, color/image or modeling and includes classes for an AA/AS degree and/or a transfer option. Fashion 179 counts as an Area D transfer general education class. Two kinds of vocational certificates for employment are available within the fashion program.

Food Service provides classes to help students obtain or upgrade employment in the food service industry. Three vocational certificates are available in the Food Service Program.

Nutrition/Foods is designed to help students select, purchase and/or prepare nutritious foods to fit specific lifestyles, budgets and abilities. Nutrition/ Food 18 counts as an Area E general education transfer class and an Area B (science) general education class for an AA/AS degree.

Counseling, Health Services and Cooperative Education

Sharon Black, Chairperson

Counseling

Counselors at College of the Sequoias provide complete educational and career guidance services. They meet with students on an individual or small group basis for a range of purposes: interpreting the assessment scores, recommending further assessment/testing, determining specific courses for immediate and future registration, developing a Student Educational plan, identifying a person's concerns for referrals and services, and supporting the progress and successful achievement of the student's goal through follow-up services. Personal and social concerns are also addressed as they relate to college success. Students are encouraged to take advantage of these services offered at no cost.

The goal-purpose of counseling is to helps students succeed in their studies through self-evaluation, decision-making, careful planning and commitment. Because accurate information is essential, our counselors are dedicated to insuring that students receive current and correct information. This information is usually documented in a Student Educational Plan which reflects the current goal of a student. Students wishing to change their goal should see a counselor to revise their Student Educational Plan.

The purpose of Interdisciplinary Studies 220 (orientation) for students at College of the Sequoias is to prepare students for a successful entrance into college life. With the introduction of the supportive services at the College through orientation, students become informed of the resources available to them. Students also become aware of their rights and responsibilities.

The Human Development courses demonstrate the College's commitment to provide courses in skill development. The Human Development courses provide a continuum of support and skill development related to college.

Health Center

Services offered have evolved from student need and will continue to expand as needed. Current services include blood pressure screening, T.B. skin testing, vision and hearing screening, immunizations, pregnancy testing, glucose screening, and nursing assessments. The Student Health Center staff will assist with counseling referrals for drug and alcohol abuse, mental health, domestic/relationship violence, eating disorders, pregnancy, family planning and illness. Alcoholics Anonymous and other support groups are coordinated by the Student Health Center. A rest area and a variety of over-the-counter medications are available for students.

Family Planning/Contraceptive Care and limited primary care services may be available at no or low costs through contract with local, mobile community clinics.

Health education information and materials are available in the Student Health Center on topics such as physical fitness, wellness, sexually transmitted diseases, AIDS, diet and nutrition. Arrangements for classroom presentations on health related topics may be scheduled through the Student Health Center.

Divisions Counseling, Health Services and Cooperative Education

Sharon Black, Chairperson

Cooperative Education Program

The Cooperative Education Program offers students an opportunity to use their work experience to earn college credit. Any student who is employed (paid or volunteer) and can meet the criteria to qualify, may participate. The employer must be willing to assist the student in setting measurable learning objectives, which will be accomplished during the grading period and evaluated as to degree of accomplishment.

Cooperative Work Experience Education is dedicated to providing education and training which affords students the opportunity to prepare for entry into the job market. Combining work experience with regular college instruction, students have the opportunity to develop skills and knowledge and to improve self-understanding by integrating classroom study with planned, supervised work experience.

Disability Resource Center (DRC)

The Disabled Student Programs and Services' Office works individually with students having physical, communication and learning disabilities, acquired brain injuries and psychological disabilities to enhance their accessibility to and success in classes and activities at COS.

Services include academic, personal and vocational counseling, specially designed parking, mobility assistance, notetakers, resources for the visually impaired, specialize equipment, learning skills lab and adapted physical education.

Other services include in-class interpreters (oral, manual and total communication), specialized tutoring, and specialized telephone equipment (TTY) for the deaf and hearing impaired.

Through the provision of these services the Disability Resource Center (DRC) attempts to maximize the disabled student's potential and to facilitate success in all areas of life.

Extended Opportunity Programs & Services (EOP&S)

Extended Opportunity Programs and Services (EOP&S) is a statefunded program that provides target recruitment to those students identified as being financially and educationally disadvantaged. Academic and personal counseling is emphasized and progress is monitored. Tutoring, supportive social services and student advisors are available to enhance student success.

Students who are single heads of household, receiving TANF benefits, with children under 14 years of age may be eligible for additional funding under the CARE Program.

A special Summer College Readiness Program is offered to entering freshman.

Fine Arts

Cynthia Johnson, Chairperson

The Fine Arts Division is comprised of the Art, Music, Theater Arts, Speech, Dance and Photography departments. We are continually presenting concerts, recitals, art showings, and productions to the school and the community at large. Additionally, we are actively involved with school activities such as homecoming and Graduation.

As a vital part of a well-rounded education, the Fine Arts Division offers a wide breadth and depth of courses that will satisfy and challenge the potential of each student. Among the multitude of classes in art, students can choose to take exciting courses in ceramics, stained glass or lithography. Or, for the Performing Art bound, students can choose from courses in costume and design to Shakespeare, or challenge themselves in an appreciation of a jazz course or a recital course. For students interested in Speech, they can broaden their insight in courses that range from basic Public Speaking all the way to Argumentation and Debate or Intercultural communication. The Fine Arts Division has courses to meet any students' needs.

This division has recently begun a Fine Arts Foundation fund to assist us in presenting the very finest performing and visual arts we can possibly offer. Additionally, with the assistance of this fund, we can continue to stress and display quality work that is a reflection of the greatness within our faculty and students.

Industry and Technology

Dick Shirk, Chairperson

The COS Industry and Technology Division is dedicated to serving the needs of all students interested in furthering their Industrial education at the college level. Our seven departments provide educational opportunities for students seeking job skills needed for employment, transferable credits for students who plan on transferring to a university and opportunities for persons wishing to upgrade their job skills in order to advance in their current jobs.

The Industry and Technology Division offers Associate of Science Degrees and Certificates in: Automotive Technology, Architecture, Construction Technology, Drafting, Electronics, Electrical Wiring, Graphic Design, Heating Ventilation and Air Conditioning, Industrial Maintenance, Plumbing, Technical Illustration and Welding.

The Industry and Technology Division stresses quality teaching/learning through formal classroom lecture/discussion methods as well as plenty of hands on "learn-by-doing" in our well equipped laboratory facilities.

Language Arts and Communications

David Robinson, Chairperson

The Language Arts Division encompasses several departments: English, English as a Second Language, Foreign Languages, Sign Language Studies, Linguistics and Journalism. Some courses offered in the division meet the Area C requirements for the AA/AS degree and for transfer to the CSU system; many also fulfill the Area 3 requirements to the UC system. Spanish, French, or ASL fulfill foreign language requirements of the UC system as well.

Most students at COS take composition courses to fulfill either transfer or graduation requirements or to enhance their writing skills. Faculty in the English Department help students improve reading, writing and thinking abilities, all of which are necessary components in any major field of study. The composition courses vary in entry skill level from very basic writing. where students learn to develop and sharpen their writing, to the critical thinking courses, in which students tackle issues and elements of logic. In addition to the composition courses, the department offers a wealth of courses in literature from survey courses, such as Introduction to Literature, to ethnic courses, such as Chicano Literature or Native American Literature, to period literature, such as Shakespeare or American Literature. The department has been foremost in the development of teaching in cyberspace! Several courses are offered online, allowing students to meet minimally on campus and to do the majority of the coursework from their own homes. For students who need greater access to computers than the Learning Center can give them, the Language Arts Computer Lab provides ample opportunity for students to write papers, conduct research and complete Web-based assignments. Many instructors use the lab as a classroom for part of their courses. The English Department also houses the Puente Project, a transfer program for students interested in studying Latino culture and issues and in transferring to the University of California. An English major prepares a student for a number of professional opportunities -- law, teaching, publishing, broadcasting, journalism, and many more. Increasingly, employers demand strong reading and writing skills of their employees, in addition to the ability to work with a variety of people successfully. The courses of study within the English Department emphasize growth and communication and the ability to live life more deeply.

Coursework in English as a Second Language is intended for students whose first language is one other than English. The program differs from that offered through the adult school in its rigor and focus. Courses make college-level demands on students, requiring intense study in and outside of class, and they focus on academic reading, writing, speaking and listening skills, rather than the life-skills focus of the adult school program. Beginning courses are designed for students with minimal skills in one or more of the reading, writing, speaking and listening areas; advanced courses are equivalent to the developmental composition courses in the English department but stress improvement of the skills with an emphasis on the special needs of the non-native speaker. The program seeks to support and encourage students as they take courses simultaneously in ESL and in other disciplines.

The Foreign Language department offers transfer courses in French, Portuguese, and Spanish, while Community Service classes allow students to take non-transfer conversation courses in German, Spanish, Japanese, Russian, Hebrew and many other languages. Both options allow students to choose the class that best meets their needs. The Foreign Language Department believes that it is in the interest of all students to become bilingual or fluent in many languages in order to compete in today's global community. Therefore, the instructors in the department provide a sequenced program of courses that support the goal of fluency in speaking, reading, writing and comprehension. Besides offering French 1-4 and Spanish 1-4, the department also features a vital Spanish for Spanish Speakers Program (Spanish 22-24) and a survey of literature (Spanish 12). The Spanish program and instructors have been particularly active, sponsoring the campus MECHA club and offering students opportunity for study abroad.

Sign Language was introduced at COS in the early 1980's. From a few evening classes, the ASL (American Sign Language) department has grown into a vibrant program. Currently, students can take four levels of ASL. An interpreting course has recently been implemented. This course will train students who are interested in becoming qualified interpreters for the deaf, as well as teachers of the deaf.

The Journalism department is responsible for the production of the campus newspaper, named The Campus. Students interested in journalism can gain invaluable experience, seldom offered to students in their first two years at a four-year college, in all areas of newspaper production, from news and editorial writing, to photojournalism and layout. The new journalism computer lab offers students the opportunity to use computers for composing news stories and paginating pages, an environment that simulates production of local and national newspapers. In addition, the course in Mass Communications meets a transfer requirement in Area 4 for the CSU and UC transfer.

Math and Engineering George Woodbury, Chairperson

The Mathematics Department provides educational opportunities ranging from basic math to calculus. The department also offers courses in

statistics and computer programming. The Department's new facilities include a computer laboratory, and a math lab which offers courses taught in a laboratory setting rather than the traditional lecture format. In addition, there is walk-in tutorial help for any math student in the Math lab during its hours of operation. Tutors and an instructor will be available during those times to assist students.

The Physics/Engineering Department offers the first two years of courses necessary for engineers. The department has a transfer agreement with Cal Poly at San Luis Obispo, UC Davis and UC Santa Cruz, which automatically accepts transfers from this program into the third year of study. The Physics area offers both a calculus-based physics series and a noncalculus based physics series. Other related courses taught in this area include Astronomy and Physical Science.

Nursing and Health Science

Cheryl Black, Chairperson

General Information:

The College of the Sequoias Division of Nursing and Health Science offers a variety of courses and programs for students interested in the health care field. Included among these are an Emergency Medical Technician course; a Certified Nursing Assistant course; a Home Health Aid course; a Pharmacy Technician Program and an Associate Degree Registered Nurse Program as well as a variety of courses designed to meet the health education needs of the community. Educational programs are planned to help the student maximize his or her potential and to enhance career mobility.

The nursing curriculum integrates scientific knowledge of professional nursing and general education courses to fulfill requirements of the College of the Sequoias and the State of California Board of Registered Nursing. Nursing and general education classes are taken on the college campus and nursing laboratory classes are offered in selected hospitals and community health care agencies. The faculty is directly responsible for teaching nursing classes and supervising clinical experience.

The purpose of the Nursing and Health Science Division is to provide a sound program for the education of students in the nursing and health care areas and to provide beginning practitioners to safely and effectively meet community health care needs. The Division welcomes applications from qualified men and women of all ages, races and ethnic origin groups. Students who are interested in health care education are encouraged to visit the division office for additional information. Regular monthly information meetings are scheduled by the Nursing Division for all students interested in nursing education. Dates and times are available in the nursing office, the counseling office and in the college bulletin.

Three options are available to Licensed Vocational Nurses wishing to become Registered Nurses, including the 30 unit option as prescribed by the California Board of Registered Nursing. Detailed information is available in the nursing office.

Registered Nursing

College of the Sequoias Registered Nurse Program is a two year program leading to an Associate in Science degree. This program is approved by the California Board of Registered Nursing and successful completion of the nursing requirements qualifies the graduate to apply to take the National Licensing Examination for Registered Nurses.

Admission Requirements

In order to be considered for admission to the Registered Nursing Program each applicant must meet the College of the Sequoias requirements for admission, be in good standing, and satisfy the following specific requirements for admission to the Registered Nursing Program.

- 1. Graduation from an accredited high school, or equivalency (GED).
- 2. Maintenance of a 2.5 or higher G.P.A. overall and on all required prenursing courses.
- 3. Residents in the College of the Sequoias Community college District receive priority. Residents of adjunct districts which do not have a Registered Nursing Program have second priority.

- 4. Completion of Nutrition 18 (Nutrition), Biology 30 (Human Anatomy), Biology 31 (Human Physiology), Biology 40 (General Microbiology), Chemistry 20 (General Chemistry), English 1 (College Reading and Composition), Psychology 1 (General Psychology), Speech 1 (Fundamentals of Public Speaking) or Speech 104 (Interpersonal Communications), or Speech 8 (Group Communication) and <u>either</u> Sociology 1 (Introduction to Sociology), Anthropology 10 (Cultural Anthropology), or Nursing 106 (Cultural Diversity in Health and Illness) at College of the Sequoias, or equivalent classes at other accredited colleges.
- Satisfactory completion of required college application and Registered Nursing Program application and information forms, and submission of high school and college transcripts for all schools attended previously.
- 6. Because there are many more applicants than seats in Nursing 101, a selection process is used to determine the most qualified candidates. A point system is used based upon student achievements including grade point average, and work experience. Information regarding this point system is available in the Nursing Division Office or from Counselors.
- Students must provide their own transportation to clinical agencies and must have a valid California driver license, access to transportation, and insurance as required by California law.

Transfer and Challenge

The Division of Nursing may grant credit for previous nursing education. Information and advising about transfer and challenge policies is available in the Division of Nursing.

Scholastic Requirements

To remain in the nursing program, students must maintain a grade of "C" or better, in all nursing and other required classes. Policies regarding admission, transfer and challenge, retention, grading and probation, and graduation are available in the nursing office.

Safe nursing practice is necessary for retention of students in the nursing program. If, at any time, a student's conduct and/or patient care displays a potential harm to the well-being of patients, or if, at any time the physical or emotional health of a student appears such that he or she cannot withstand the program in nursing, based on the professional judgment of the faculty, the student may be asked to terminate from the nursing program. The amount of time that can be lost in any nursing course, for any reason, is stated in the Nursing Student Handbook.

Nursing and Health Science

Cheryl Black, Chairperson

Application Procedure

A class is admitted to the RN program each semester. The final date for filing applications is January 15. The deadline for receipt of required supporting documents is January 30. Both the August and January classes will be filled from the applicant pool. If the number of applicants processed in January is not sufficient to fill both classes, a supplementary applicant pool will be developed from those applications received between January 15 and July 15. Applicants will be notified when this occurs.

Applicants are encouraged to file their applications as early as possible and not wait until the deadline. Application packets are available in the nursing office.

Physical Education

Tracy Myers, Chairperson

Physical Education uses physical activity to produce holistic improvements in a person's physical, mental and emotional qualities. It treats each person as a unit--a whole being--rather than as having separate physical and mental qualities that bear no relation to and have no effect on each other.

Here at College of the Sequoias, physical education covers a broad field of interests. Courses are offered in the areas of Sport Activities, Dance, Fitness, Health, Sports Medicine and Athletic Training, and Adapted Physical Education. We are also proud of our outstanding Intercollegiate Athletic program which offers collegiate competition to student/athletes.

The facilities include a newly equipped gymnasium, weight room, dance studio and aerobic room with mirrors, special handicapped facilities, a football field and a regulation track. Baseball and softball fields are on campus as well as a swimming and diving pool. There are also tennis, handball and volleyball courts. Most recently the department has added a new sports medicine and training center which includes a fitness lab for athletes.

Through the courses offered in the Physical Education and Athletic Department, we are preparing students to meet the needs of the times.

Science Thea Trimble, Chairperson

The Division of Science at College of the Sequoias consists of the Departments of Biology, Chemistry, and Physics. Major programs are offered in each of these disciplines. Each of these areas offer a transfer program to either state colleges or universities. Other courses taught in this division are Geology, Physical Geography and Meteorology.

The Biology Department offers a wide variety of courses for non-majors and majors alike. The department also offers the courses needed for students entering the health-related fields, such as nursing, dental hygiene, physical therapy and sports medicine.

The Chemistry Department offers courses for chemistry majors and for the health-related fields. This is one of the very few community college chemistry departments that offers the second year of chemistry for majors, specifically Organic Chemistry.

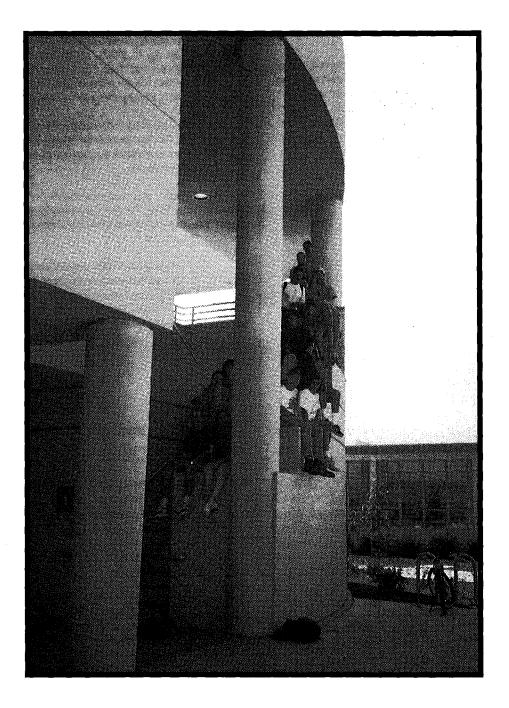
The Physics Department offers two series of physics courses. A threesemester calculus-based physics series is offered for those students entering the engineering fields, physics and some biology programs. A two-semester trigonometry-based physics series is designed for those students entering biological science fields.

Social Sciences Ron McGriff, Chairperson

The goal of the Social Sciences Division is to provide an appreciation of the rich diversity and the fundamental commonality of all human experience. The Social Sciences constitute studies in human behavior, individual and collective past and present, distant and local. Their intent constitutes a search for greater social justice, personal freedom and mutual understanding. To this end, the Social Sciences Division feels it is imperative to champion the idea and ideals of diversity through our Ethnic Studies (and other classes, listed below) "inclusion" is paramount. It is part of our mission to continue to be sensitive to the ever-changing demographics of the community we serve. We continue to promote access to transfer and skills for the world of work.

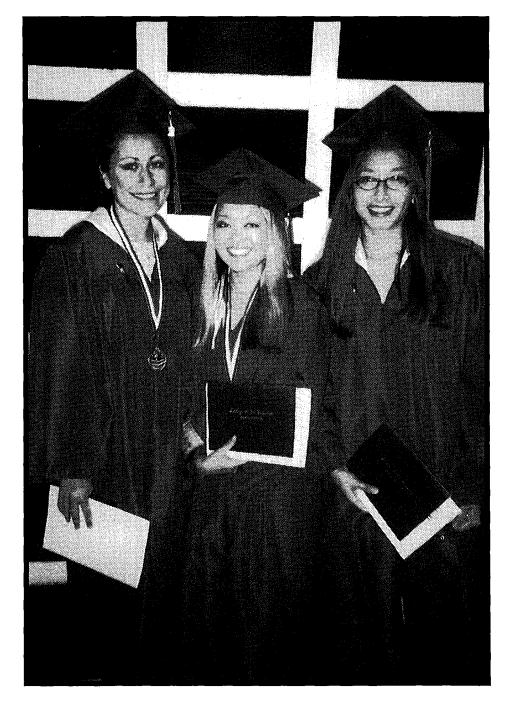
The division offers courses in administration of justice, anthropology, economics, education, geography, history, human services, philosophy, political science, public administration, social science, and sociology. These courses will satisfy transfer, associate degree and general education requirements.

The division also offers career training in the following areas: Human Services and Administration of Justice. Programs in these two areas lead to a certificate or to an AA or AS degree.



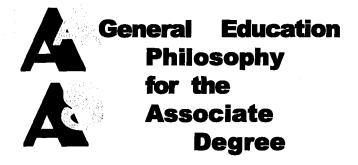
"I will prepare and some day my chance will come."

Abraham Lincoln



"If you don't know where you're going, any road will take you there."

Uknown Author



General education breadth requirements emphasize democratic concepts based on the value and dignity of each individual, thus helping students prepare to undertake the responsibilities of citizenship and to participate knowledgeably in the varied experiences of life.

We believe in the vital importance of major requirements to educate students in the area of specialization and in breadth requirements to help them develop the capacity for independent judgment.

We also believe that the general education breadth requirements are of vital importance in the personal, social, and vocational/professional life of each student.

O In <u>personal development</u>, breadth requirements help students develop self-awareness, thus increasing understanding of personal potentialities and limitations.

O In <u>social relationships and in the life of society</u>, breadth requirements help the students communicate more effectively, promote better understanding of the communications of others and help develop awareness of societal relationships.

O In <u>professional development</u>, the breadth requirements help the student become a more effective person in the workplace through more effective communication with fellow workers and through a better understanding of the relationship between the job at hand and the larger world into which it fits.

General education breadth requirements will help the student by:

- exposing them to the major disciplines of accumulated knowledge,
- stimulating curiosity about their surroundings,
- evaluating alternatives so that personal values can be formed,
- developing effective communication skills,
- gaining a sense of self-worth,
- learning to make rational decisions based on the utilization of problem-solving techniques,
- questioning simple solutions of complex problems; if appropriate, seeking alternatives.

The Difference Between the AA & AS Degrees

Students at College of the Sequoias who complete the appropriate requirements may earn either an Associate of Arts or an Associate of Science degree. Both degrees represent significant levels of achievement and may be used by students who plan to start their career immediately after graduating or, with proper planning and course selection, by those who plan to transfer to a four year university.

Associate of Arts (AA) degree is granted to students majoring in the arts, humanities, social sciences, and similar areas.

Associate of Science (AS) degree is granted to students majoring in agriculture, engineering, technology, the sciences, and related programs.

Requirements for Graduation

The Associate of Arts or Associate of Science degree will be awarded to all students upon the satisfactory completion of the following requirements:

- A minimum of 60 units of college courses numbered from 1 to 299, at least 15 of which must be taken in residence at the College of the Sequoias, with a "C" (2.0) average.
- Completion of all courses required for the desired major (see major and certificate section of this catalog for specifics).
- Eighteen units of general education including at least three (3) units from each of the areas: A through E. However, completion of the CSU or IGETC general education requirements or general education requirements at any accredited university will fulfill the COS general education, subject, and competency requirements.
- Subject requirements:
 - a. Satisfactory completion of two units of Dance, Intercollegiate Athletics or Physical Education general activites courses. Students 21 years of age and over at the time of graduation are exempt from this requirement. A medical exemption is also available.
 - Three units of Health and Wellness. This requirement is satisfied by completion of Health and Wellness 1, 7, or 104.
 Degrees in Registered Nursing are exempt from this requirement; Veterans are also exempt with approved DD214 or DD295.
 - c. American Institutions:
 - Completion of a one-year high school Civics, U.S. History and/or Political Science course with a minimum grade of "C" or better in both semesters or
 - Completion of History 17, 18, 18H, Government 5,
 5H, or Social Science 276, or an equivalent course at an accredited college.

Competency Certification:

State law requires that the candidate for the Associate of Arts or Associate of Science degree be certified as competent in the areas of writing, reading, and computation. College of the Sequoias students may establish competency in each area by one of the following:

- a. Writing:
 - English 1, 251, or Business 184 at COS or an equivalent course at an accredited college with a grade of "C" or better.
 - CLEP English Composition <u>or</u> English Composition with Essay Examination (Score of 500 or higher).
- b. <u>Reading:</u>
 - → Score of 25 or higher on COS Reading Placement Test
 - Score at equivalent level or higher on test given by Reading Department.
 - English 1, 265a, or 265b at COS or an equivalent course at an accredited college with a grade of "C" or better.
 - CLEP English Composition or English Composition with Essay Examination (Score of 500 or higher).

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Mathematics:

C.

- High school algebra 1 and geometry (one each) with a grade of "C" or better, or a more advanced math course with a grade of "C" or better.
- Math 230 or 235, or a more advanced math course at COS, or an equivalent course at an accredited college with a grade of "C" or better.
- Pass Math competency exam with a successful score (at least 70 percent)
- CLEP College Mathematics Examination (Score of 500 or higher)

Area A1 Written Communication

A minimum of three (3) units chosen from the following: English 1, 1H English 251 Business 184 CLEP English Composition <u>or</u> English Composition with Essay Examination. (Score of 500 or higher)

NOTE: Grade of "C" or higher is required in Area A1.

Area A2 Oral Communication and Analytical Thinking

A minimum of three (3) units chosen from the following:

Administration of Justice *25 Agriculture 201 Ag Management 102 Business 20, *25,119, 295 Computer 5, 6, 7 English 2 Industry & Technology 201 Journalism **7 Government **7, *25 Philosophy 20, 25 Speech 1, 4, 5, 7,8 Any Math course numbered 1-299

- CLEP College Mathematics Examination (Score of 500 or higher) * Administration of Justice 25 is the same as Business 25 and Goverment 25, and can be counted in one AREA ONLY (A2 or D) * Lournelism 7 is the same as Coursement 7, and same be
- ** Journalism 7 is the same as Government 7, and can be counted in one AREA ONLY (A2 or D)

Area B Natural Science

A minimum of three (3) units chosen from the following: Agriculture 3 Chemistry 253 Ornamental Horticulture 101

Natural Science 131, 132

Nutrition/Food *18

Any Science course numbered 1-199 on The CSU GE Pattern in AREA B1 or B2 $\,$

CLEP Natural Science Examination (Score of 500 or higher)

Nutriton/Food 18 can be counted in one AREA ONLY (B or E)

Area C Humanities

A minimum of 3 units chosen from the following: Administration of Justice 123 American Sign Language (1-299) Anthropology *4, *5, *5H Architecture 10, 20, 21, 120, 121a-c Art (1-299) Business*185 Consumer/Family Studies **6, **7 English 4, 10, 15-46, 253 Foreign Language (1-299) Industry & Technology *185 Interior Design 121, 124 Lingustics 10 Music(1-299) **Ornamental Horticulture 111** Philosophy (1-299) Spanish 12 Drama/Cinema Arts (1-299) CLEP Humanities Examination (Score of 500 or higher)

- Anthropology 4, 5 are the same as Art 4, 5; Bus 185 same as I&T 185
- ** CFS 6 and 7 are the same as Art 6 and 7.

Area D Social/Behavioral Science

A minimum of three (3) units chosen from the following: Agricultural Management 1

Administration of Justice 11, *25, 114 Anthropology 10 Business *25, 188 Child Development **39, 42, 158, 160 Consumer/Family Studies ##136 Economics 1.2 Ethnic Studies 1,2,3 Fashion 179 Geography 2, 3 History 4, 5, 5H, 17, 18, 18H, 19, 20, 23, 31 Journalism #7, 120 Nursing ##136 Government 5, 5H, #7, *25 Psychology 5, **39 Social Science 276,##136, 110 Sociology 2 Speech 9

- CLEP Social Sciences/History Examination (Score of 500 or higher)
- Administration of Justice 25 is the same as Business 25
- andGoverment 25, and can be counted in one AREA ONLY (D or A2).
- ** Child Development 39 is the same as Psychology 39.
- # Journalism 7 is the same as Government 7, and can be counted in one AREA ONLY (D or A2).
- ## Nursing 136 is the same as Consumer/Family Studies 136 and Social Sciences 136 and can be counted in one AREA ONLY (D or E).



Area E Exploration

A minimum of three (3) units chosen from the following: Computer 1-299 Consumer & Family Studies 80, *26,##136, 186 English 14a, 14b Health & Wellness 1, 7, **60, 104, 119 Library 102 Nursing 106, ##136 Nutrition/Food#18 Paralegal 101, 102 Psychology 1, 10, 133 Social Science##136 Sociology 1, *26 Sports Medicine **60 Physical Education (1-299) Any GE class listed in Area A1, A2, B, C, or D outside the major (e.g., a business major could not take an additional business class in Areas A2.)

- Sociology 26 is the same as Consumer & Family Studies 26.
- ** Health & Wellness 60 is the same as Sports Medicine 60.
- # Nutrition/Food 18 can be counted in one AREA ONLY (E or B)
- ## Nurisng 136 is the same as Consumer/Family Studies 136 and Social Science 136 and can be counted in one AREA ONLY (D or E)

Degree Guidelines

Graduation Application

An Application to Graduate must be filed by each student who wishes to receive an Associate Degree. Students must have a graduation checklist completed by a counselor prior to submitting their application. Applications are available in the Admissions and Counseling Offices.

The completed application must be returned to the Admissions Office prior to the deadlines published in the college calendar which can be found in the Schedule of Classes, College Catalog, and Student Bulletin.

> Starting with the 1991-92 catalog year, courses numbered 300 and above will not be associate degree applicable regardless of your establishing catalog rights prior to the 1991-92 catalog year.

Second Degree

- A minimum of 12 semester units at COS subsequent to completion of the first AA or AS Degree with attendance during the last semester prior to graduation, or a total of forty-five (45) units in residence if not in attendance during the last semester prior to graduation. Units earned through Credit by Examination may not be counted as units in residence.
- 2. Courses specifically required in the major field of the second degree.
- Students who have not maintained continuous enrollment (see Catalog Rights listed below on this page) are required to meet all additional state and local requirements including general education, competencies, etc., as specified by the catalog in effect at the time of pursuing the second degree.
- Only one diploma will be provided by COS at no cost to the student. A student may purchase additional (2nd or more, if earned) diplomas at a cost to be determined by COS.
- Notations of all degrees earned and majors completed will appear on your transcripts.
- 6. A receipt from the cashier for an additional diploma must accompany the application for a degree.

Catalog Rights

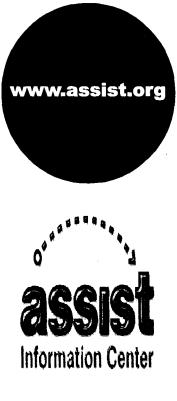
Students may graduate under the general education requirements in effect:

- At the time for first enrollment as long as continuous enrollment is maintained, or;
- ✓ Under the requirements in effect from the time continuous enrollment is established and maintained, or;
- Under the requirements in effect at the time of graduation.

Continuous enrollment is defined as enrollment in at least one semester during a calendar year on a continuing basis without a break of more than one semester excluding summer session. Any academic record symbol (A-F, CR, NC, I, IP, RD, W) shall constitute enrollment.

UC Private and Independent CSU Transfer Planning

Planning to Transfer?



Your official source for California articulation and student transfer information. Students planning to transfer have a wide variety of options. The California State University with 22 campuses; the University of California with 9 campuses; and over 60 private, independent colleges in California provide a wide range of academic programs, physical and academic environments, and social climates. College of the Sequoias offers the equivalent of the first two years of these four year college and university programs. Students wishing to pursue any of these educational alternatives should meet with a counselor as early as possible to discuss their educational study plan. Careful planning will help you avoid mistakes which could prolong your academic pursuits.

Successful transfer planning requires the following steps:

- Selecting a career goal
 - Selecting an appropriate major to meet your career goal
 - Selecting an appropriate college or university
 - Planning and completing an appropriate transfer program
 - Completing the application process

All colleges and universities have specific admissions requirements and may have special course and unit requirements, as well as minimum grade averages that must be met prior to transfer. Once students identify their major and the college or university to which they wish to transfer, they should consult the respective catalog of the college or university for specific requirements. Catalogs for the California State University campuses, the University of California campuses, and selected private, independent colleges are available for use in the Transfer/ Career Center. Students are encouraged to purchase their own catalog by writing directly to the college or university.

Four year colleges and universities require students to complete specific general education requirements as well as major requirements for the baccalaureate degree. Students should work toward completing both general education and lower division major requirements prior to transfer. The Counseling Office maintains articulation agreements with course equivalencies and curriculum major sheets for selected majors and colleges. COS counselors will assist with interpreting the curriculum major sheets, articulation agreements and catalog statements and requirements.

In accordance with Executive Order No. 167 from the Chancellor's Office of the California State Universities and Colleges, College of the Sequoias has developed a list of courses which are baccalaureate level. Courses that are numbered 1-199 are accepted by the California State Universities and most private, independent colleges. Courses numbered 1-99 are accepted by the University of California; however, students should consult the "University of California Transfer Course List" in this catalog for specific limitations. COS courses transfer to four-year colleges and universities in terms of specific or elective credit depending upon the school and major selected.

ALL STUDENTS must assume the responsibility for complying with regulations and instructions set forth in catalogs for selecting the courses which will permit them to meet their educational objectives, and for satisfying prerequisites for any programs or courses which they plan to take. College requirements and articulation agreements are continually changing; the following pages represent our best attempt to provide current and pertinent information for transfer students.



Initial Application Filing Period

All applicants are encouraged to file within the initial application filing period. Applications to impacted majors must be filed within the first month of the filing period. Each campus accepts applications until capacities are reached. If applying after the initial filing period, consult the COS Transfer Center for current information. Applications for admissions are available in the Transfer Center.

Summer Semester or Quarter: Winter Quarter: Spring Semester or Quarter: Fall Semester or Quarter: February 1-28 June 1-30 August 1-31 November 1-30

Eligibility for Transfer

Lower Division Transfer Requirements

If you have completed fewer than 56 transferable semester (84 quarter) units, you will qualify for admission if you have a grade point average of 2.0 (C) or better in all transferable units attempted, are in good standing at the last college or university attended, and meet the admission requirements for firsttime freshmen, i.e., you have completed with a grade of "C" or better each of the courses in the comprehensive pattern of college preparatory subject requirements and have a qualifiable eligibility index. If you do not complete all the subject requirements in high school, appropriate college courses may be used to make up the missing subjects. Nonresidents must meet the eligibility index for nonresidents.

Upper Division Transfer Requirements

If you have completed at least 56 transferable semester (84 quarter) units, have a grade point average of 2.0 (C) or better in all transferable units attempted (nonresidents must have a grade point average of 2.4), and are in good standing at the last college or university attended, you may become eligible one of two ways:

 You have completed at least 30 semester (45 quarter) units of college courses with a grade of "C" or better in each course to be selected from courses in English, arts and humanities, social science, science and mathematics at a level at least equivalent to courses that meet general education requirements.

The 30 semester (45 quarter) units must include all of the general education requirements in communication in the English language (at least 9 semesters or 12 quarter units to include written communication, oral communication, and critical thinking) and mathematics (at least 3 semester or 4 quarter units) or, if completing the Intersegmental General Education Transfer Curriculum, English composition (at least 9 semester or 12 quarter units in English composition, oral communication, and critical thinking) and the requirement in mathematics (at least 3 semester or 4 quarter units); these four courses must be completed by the Spring semester prior to transferring to a CSU campus for the Fall semester. <u>NOTE:Projecting completion of these courses in the Summer session is no longer acceptable by most the CSU campuses for meeting admission requirements.</u>

 You have completed all subject requirements required for firsttime freshmen. If you did not complete all the subject requirements in high school, appropriate college courses may be used to make up the missing subjects.

For upper division transfers seeking admission to the fall term 2000 or later, the second option will not be available to establish eligibility for admission. All applicants with 56 or more transferable semester (84) quarter units will be required to have completed at least 30 semester units of courses at a level equivalent to courses that meet general education requirements. The 30 semester units must include all of the general education requirements in communication in English language (3 courses) and at least the three semester units (typically 1 course) required in mathematics.

Applicants who graduated from high school in 1987 or earlier who have not completed the subject requirements in (1) and (2) above should contact the Admissions Office at the campus to which they plan to submit an application for admission to inquire about alternative admission programs.

General Education Requirements

All campuses of the CSU system require a minimum of 48 units of general education. Thirty-nine of these units may be taken at community colleges. Beginning with Fall 1991, students may fulfill the lower division general education requirements prior to transfer by completing one of the following three options.

- 1. The California State University General Education Certification which will fulfill the lower division breadth/general education requirements for all CSU campuses.
- 2. The Intersegmental General Education Transfer Curriculum which will fulfill the lower division breadth/general education requirements for all CSU and most UC campuses.
- 3. The specific lower division breadth/general education requirements of the campus to which they intend to transfer.

The California State University General Education Certification and Intersegmental General Education Transfer Curriculum patterns are listed below. Students should consult a COS Counselor to determine which option is best suited for their educational objective.

General Education Certification for Transfer to CSU

Students may complete the following pattern of courses within the stated rules to be eligible to receive General Education Certification prior to transfer. This certification requires all CSU campuses to apply all 39 units toward the 48 units minimum general education requirement.

THE CALIFORNIA STATE UNIVERSITY

Area A Oral and Written Communication and Critical Thinking (9 units minimum)

Choose one course from each section.

A1Oral CommunicationSpeeA2Written CommunicationEngliA3Critical ThinkingEngli

Speech 1, 4, 7, 8 English 1, 1H English 2, Philosophy 25, 20; Business #25*, Speech 5

All courses in "Area A" must be completed with a grade of "C" or better.

*Courses with asterisks can be counted in ONE AREA ONLY. #Business 25 same as AJ 25 and Government 25

Area B

Natural Sciences and Mathematics (9 units minimum)

Choose one course from each group. One laboratory science is required. (Labs underlined).

Group 1 (B1)	Physical Science
	Astronomy 10; Geography 1, <u>1L</u> ; Chemistry <u>1</u> ,
	2, 20,21,30; Geology 1, 4, 12, Meteorology 1;
	Physical Science <u>12</u> , <u>12H</u> , <u>20</u> ; Physics <u>5</u> , <u>6</u> ,
	<u>7, 20, 21</u>
Group 2 (B2)	Life Science
	Biology <u>1, 2, 20, 20H, 2I, 22,</u> 25, <u>30, 31, 40,</u> and Anthropology 11
Group 3 (B4)	Mathematics
	Math 21, 45, 61, 62, 70, 75, 76, 77, 80, 81,
	154; Business 20, 119

All courses in "Group 3" must be completed with a grade of "C" or better.

Area C Arts, Literature, Philosophy and Foreign Language (9 units minimum)

The nine units must include at least one course from Groups 1 and 3.

Group 1 (C1)	Arts (Art, Dance, Music, Theatre) Art 1, 2, 3, #4, #5, #5H, #6, #7, 8 Cinema Arts 31, 32, Drama 1, 2, 3, 6*, 8, 9, 60 Music 1, 4, 5, 6, 7, 10, 11, 13
Group 2 (C2)	Humanities (Philosophy, Foreign Language) Administration of Justice 123
	American Sign Language 1, 2, 3, 4
	Business#185
	Ethnic Studies 1*,2*,3*
	French 1, 2, 3, 4,
	Lingustics 10
	Philosophy 1, 5, 12, 13, 14
	Spanish 1, 2, 3, 4, 22, 23, 24
Group 3 (C2)	Literature
	English 4, 10, 15, 16, 17, 18, 19, 25,30, 31, 32, 44, 45, 45H, 46,
	Spanish 12, Drama 6*

Art 4, 5 same as Anthropology 4, 5; Art 6, 7, same as Consumer/Family Studies 6, 7; Business 185 same as I&T 185.

*Courses with asterisks can be counted in ONE AREA ONLY.

THE CALIFORNIA STATE UNIVERSITY

General Education Certification for Transfer to CSU

Students may complete the following pattern of courses within the stated rules to be eligible to receive General Education Certification prior to transfer. This certification requires all CSU campuses to apply all 39 units toward the 48 units minimum general education requirement.

Area D Historical, Political, and Econommic Institutions

(9 units minimum)

The nine units must include 3 units each from Groups 1 and 2.

GROUP 1 (D8)	AMERICAN INSTITUTIONS Government 5,5H
GROUP 2 (D6)	AMERICAN INSTITUTIONS History 17, 18, 18H

GROUP 3

- (D1):Anthropology 10
- (D2): Economics 1,2, Agricultural Management 1
- (D3): Ethnic Studies 1*,2*,3*
- (D5): Geography 2,3
- (D6): Fashion 179, History 4,5,5H,19,20,21,23,31
- (D7): Psychology 5, Speech 9
- (D8): Government #7, Business #25*
- (D9): Child Development #39, 42, Psychology #39
- (D0): Administration of Justice 11, 114, Sociology 2
- # Child Development 39 same as Psychology 39; Government 7 same as Journalism 7; Business 25 same as AJ 25 and Government 25.
- * Courses with asterisks can be counted in ONE AREA ONLY.

Area E Understanding and Self-Development

(3 units minimum)

Psychology 1, 10, 133; Sociology 1, #26; Nutrition/Food 18; Consumer/Family Studies 80, #26, 186; English 14a, 14b; Health and Wellness 1, 7, 104; Nursing 106, #136

Sociology 26 is the same as Consumer/Family Studies 26; Nursing 136 is the same as Consumer/Family Studies 136 and Social Science 136.

American Institutions Requirement

All CSU graduates must complete coursework in U.S. History, Constitution, and American Ideals as required by Section 40404 of Title 5 of the Administrative Code. This requirement may be fulfilled at COS for 19 of the 22 CSU campuses by completing Government 5 or 5H and either History 17, 18, or 18H as part of the General Education Certification. Some CSU campuses will not allow these courses to meet both the general education requirement and the American Institutions requirement. See a COS counselor for details. Students may complete the following pattern of courses within the stated rules to be eligible to receive the Intersegmental General Education Transfer Curriculum (IGETC) Certification. This certification requires all CSU and most UC campuses to consider all lower division breadth/general education requirements fulfilled. All courses must be completed with a grade of "C" or better. INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM FOR TRANSFER TO CSU AND UC

Area 1

English Communication

(CSU-Select one course from each group -9 units minimum) (UC-Select one course from Group A and one course from Group B -6 units minimum)

Group A	English Composition
	1 course, 3 semester units
	English 1, 1H
Group B	Critical Thinking-English Composition
-	1 course, 3 semester units
	English 2, Philosophy 25
Group C	Oral Communication (CSU Requirement Only)
-	1 course, 3 semeter units
	Speech 1, 8

Area 2 Mathematical Concepts and Quantitative Reasoning (1 course, minimum, 3 semester units)

Math 21*, 61*, 62*, 70*, 75*, 76*, 77, 80, 81

Area 3 Arts and Humanities

(Select at least 3 courses, with at least one course from Group A and one course from Group B.)

Group A	Art
	Art 1, 2, 3, #4, #5*; Music 4*, 5*, 6, 7, 10, 11; 13
	Drama 1, 6**, 8, 9
	#Art 4 and 5 are the same as Anthropology 4, 5
Group B	Humanities
-	American Sign Language 3
	English 4, 10, 15, 16, 17, 18, 19, 25, 30, 31, 32, 44,
	45*, 45H*, 46
	Ethnic Studies1**,2**, 3**
	History 4, 5*, 5H*, 17+, 18+*, 18H+*, 19, 20, 21, 23, 3

History 4, 5*, 5H*, 17+, 18+*, 18H+*, 19, 20, 21, 23, 31 Lingustics 10 Philosophy 1, 5, 12, 13, 14 Spanish 3*, 4*, 12, 23*, 24* French 3, 4 Drama 6**,60

* Indicates that number of transfer units may be limited by UC. Please consult the "University of California Transfer Course List," located in this catalog for transfer unit limitations. ** Courses may be counted in ONE AREA ONLY

Area 4

Social and Behavioral Sciences

(Minimum of 9 semester units)

Select at least three courses from at least two disciplines.

Agricultural Management 1; Anthoropology 10 Consumer/Family Studies 26#,80 Child Development 39#, 42 Economics 1, 2; Ethnic Studies 1**,2**,3** Geography 2, 3 Geology 4 Government 5+*, 5H+*, 7#, Sociology 1, 2, 26# Psychology 1, 5, 10, 34, 39# Speech 9

#Government 7 is the same as Journal 7 #Psychology 39 is the same as Child Development 39 #Consumer/Family Studies 26 is the same as Sociology 26 **Courses may be counted in ONE AREA ONLY

Area 5

Physical & Biological Sciences

(Minimum 2 courses, 7-9 semester units)

Select at least one course each from Groups A and B. At least one course must include a laboratory. (Labs are underlined)

Group A Physical Sciences Chemistry <u>1*</u>, <u>2*</u>, <u>5</u>, <u>12*</u>, <u>13*</u>, <u>20*</u>, <u>21*</u> Physics <u>5*</u>, <u>6*</u>, <u>7*</u>, <u>20*</u>, <u>21*</u> Astronomy 10; Geography 1, <u>1L</u>; Geology <u>1</u>, <u>12</u> Meteorology 1; Physical Science <u>12*</u>, <u>12H*</u>, <u>20*</u> Group B Biological Sciences Biology <u>1</u>, <u>2</u>, <u>20*</u>, <u>20H*</u>, <u>21*</u>, <u>22*</u>, <u>30</u>, <u>31</u>, <u>40</u>; Anthropology 11 INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM FOR TRANSFER TO CSU AND UC

Language Other Than English (UC Requirement only)

This requirement may be fulfilled by the completion of two years of a foreign language in high school with a grade of "C" or better, or a score of 3 or higher on an AP Exam in a language other than English; or a score of 500 or higher on a College Board Achievement test in a language other than English; or a score of 5 or higher on an International Baccalaureate Higher Level Exam in a language other than English; or a satisfactory completion, with "C" grades or better, of two years of formal schooling at the sixth grade level or higher in an institution where the language of instruction is not English. If you are not able to demonstrate proficiency as indicated above, you can fulfill this requirement by completing one of the following courses:

Spanish 2,3,4,22,23,24 French 2,3,4 American Sign Language 1,2,3,4

CSU Graduation Requirements in U.S. History, Constitution, and American Ideals

This is not part of the IGETC; however, this requirement may be completed prior to transfer. Select one course each from Groups 1 and 2.

GROUP 1 Government 5+*, 5H+*

GROUP 2

History 17+, 18+*, 18H+*

- Indicates that number of transfer units may be limited by UC. Please consult the "University of California Transfer Course List," located in this catalog for transfer unit limitations.
- If course is used to meet the CSU Graduation Requirement in U.S. History, Constitution, and American Ideas it can NOT also be used to meet IGETC Requirements.

UC Catalog Rights

All California State University bound transfer students must fulfill degree requirements from one catalog, not the most favorable requirements from two or more catalogs. As long as a student maintains continuous attendance*, he or she may elect, for purposes of fulfilling graduation requirements, one of the following:

- 1. The catalog in effect at the time a student begins attending a California community college such as College of the Sequoias.
- 2. The catalog in effect at the time a student begins attending the transfer campus.
- 3. The catalog in effect at the time a student graduates from the transfer campus.

All students planning to transfer to the University of California or a private university must fulfill degree requirements from one catalog, not the most favorable requirements from two or more catalogs. These transfer students typically use the catalog in effect at the time they begin continuous attendance.*

Continuous attendance is defined as being officially enrolled in at least one semester or two quarters during a calendar year regardless of the number of units completed. Also, a student is considered to have been in attendance even if he or she registered and totally withdrew from school during that semester/quarter as long as the official transcript so indicates.

Priority Application Filing Period

All applicants are encouraged to file within the priority application filing period. If applying after the priority filing period, consult the COS Transfer Center for current information. Applications for admissions are available in the Counseling Office and the Career/Transfer Center.

UNIVERSITY OF CALIFORNIA

Fall Quarter: Winter Quarter: Spring Quarter;

November 1-30 July 1-31 October 1-31

UC Berkeley

Fall Semester:November 1-30(Applications accepted for Fall only)

Eligibility Requirements for Students Transferring to UC, Fall 1998 and Later

- If you were eligible for admission to the University when you graduated from high school--meaning you satisfied the subject, scholarship, and examination requirements, you are eligible to transfer if you have a "C" (2.0) average in your transferable college coursework.
- 2. If you met the scholarship requirement, but did not satisfy the subject requirement, you must take transferable college courses in the subjects you are missing to be eligibile to transfer. You will need to earn a grade of "C" or better in each of these required courses and an overall "C" (2.0) average in all transferable college coursework. If you met the Scholarship Requirement, but not the Examination Requirement, you must complete a minimum of 12 semester (18 quarter) units of transferable work and earn an overall "C" (2.0) average in all transferable college courses and earn an overall "C" (2.0) average in all transferable college courses are transferable work and earn an overall "C" (2.0) average in all transferable college courses are transferable college course work completed.
- 3. If you were not eligible for admission to the University when you graduated from high school because you did not meet the Scholarship Requirement, you must:
 - a. Complete 90 quarter units or 60 semester units of <u>transferable</u> college credit with a grade point average of at least 2.4, with no more than 14 semester (21 quarter) units completed on a credit/no credit basis, and;
 - b. Complete the following course pattern, earning a grade of "C" or better in each course:
 - two transferable college courses (3 semester or 4-5 quarter units each) in English composition, and;
 - one transferable college course (3 semester or 4-5 quarter units) in mathematical concepts and quantitative reasoning, and;
 - four transferable college courses (3 semester or 4-5 quarter units each) chosen from at least two of the following subject areas: the arts and humanities, the social and behavioral sciences, the physical and biological sciences.

(Students who satisfy the Intersegmental General Education Transfer Curriculum prior to transferring to UC will satisfy Option 3b above of the new transfer admission requirements. For more information about the IGETC, refer to the Index of this catalog.

Nonresidents

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

NOTE

If the number of applicants exceeds the spaces available for a particular campus or major, as is often the case, the campus uses criteria that exceeds the minimum requirements to select students. Therefore, meeting the minimum requirements is not enough to gain admission to many UC campuses and programs.

UNIVERSITY OF CALIFORNIA

Clearing High School Subjects with College Courses*

UC Subject Requirement "A" through "F"	High School Requirement	How to clear "A-F" deficiency or ommission (All courses must be completed with a grade of "C" or better.)		
(a) History/Social Science	Two Years	For a deficiency in U.S. history/civics/American Government, a transferable college course of two or more semester units in U.S. History, civics, or American government. For a deficiency in world history/cultures/geography, a transferable college course of two or more semester units in world history, cultures, and geography.		
(b) English	Four Years	For each year of deficiency, one transferable course of four quarter (three-semester) units in English composition, literature (American or English), speech, foreign literature in translation, public speaking, or oral interpretation of literature. Literature and speech courses must have substantial composition.		
(c) Mathematics	Three Years	To clear the entire deficiency, complete one of the following: a transferable mathematics course that employs the topics of interme- diate algebra or; a transferable statistics course offered by either the mathematics or statistics department that has intermediate algebra as a prerequisite. (Must earn grade of "C" or better in each course.)		
(d) Laboratory Science	Two Years	Any transferable course in a natural (physical or biological) science with at least 30 hours of laboratory (not "demonstration").		
(e) Language Other than English	Two Years	To clear entire deficiency, any transferable course or courses held by the college or university to be equivalent to two years of high school language (excluding conversation).		
(f) College Preparatory Electives	Two Years	For each year of deficiency: one transferable course beyond those listed above as clearing any of the "a-e" requirements: or a transfer- able course having as prerequisite the equivalent of two high school years in a second language; or transferable course equivalent to those that clear the "c", "d", or "e" requirement; or a transferable course of 4 or more quarter units in history, social science, or visual and performing arts. (Must earn grade of "C" or better in course.)		

* For students transferring to UC in Fall 1998 and later ALL college courses used to clear Subject Requirement deficiencies must be transferable and must be completed with a grade of "C" or better.

UNIVERSITY

OF

CALIFORNIA

General Education Requirements

Each school and college at every UC campus has its own breadth/ general education requirements. Beginning with Fall 1991, students may fulfill the lower division breadth/general education requirements at any UC campus by completing one of the following two options:

- 1. The Intersegmental General Education Transfer Curriculum which will fulfill the lower division breadth/general education requirements for most UC and all CSU campuses.
- 2. The specific lower division breadth/general education requirements of the campus they intend to transfer to.

Refer to the Index of this catalog to find the Intersegmental General Education Transfer Curriculum. Students should consult a COS Counselor to determine which option is best suited for their educational objective.

University of California Transfer Course List

College of the Sequoias courses that are acceptable by the University of California including all unit limitations are as follows:

Accounting

1,2

Administration of Justice 11, 13, 14*, 25*

* 14 and 25 combined: maximum credit allowed: one course NOTE: AJ 25 same as GOVT 25 and BUS 25

Agriculture 3, 4

Agriculture Management

American Sign Language 1, 2, 3, 4

Animal Science 1, 2a-b, 22

Anthropology 4, 5,10, 11

NOTE: ANTH 4, 5 same as ART 4, 5.

Architecture 10, 11, 20, 21, 40

Art 1, 2, 3, 4, 5, 6, 7, 8, 9, 10a-d, 11a-d, 12a-b, 13a-d, 15, 16, 17a-b, 18a-d,23a-d*,25a-d#

*Maximum credit, 6 units #Maximum credit, 6 units

NOTE: ART 4 and 5 same as ANTH 4, and 5; ART 6 & 7, same as CFS 6 & 7.

Astronomy

Biology 1, 2, 20+, 20H+, 21, 22, 25, 30, 31,40

+No credit for BIOL 20/20H if taken after BIOL 1: BIOL 20 and BIOL 20H combined: maximum credit allowed, one course **Business** 18, 20*, 25, 82

* BUS 20 and MATH 21 combined; maximum credit allowed, one course NOTE: BUS 25 same as AJ 25 and GOVT 25.

Chemistry 1*, 2*, 5, 12,+, 13+, 20*, 21+,30

*CHEM 1, 2, & 20 combined: maximum credit allowed, 2 courses +12, 13 and 21 combined: maximum credit allowed, 2 courses

Child Development 39*,42*

NOTE: CHLD 39 same as PSY 39

Consumer/Family Studies 6, 7, 26, 80

NOTE: Consumer/Family Studies 6 & 7 same as Art 6 & 7; Consumer/ Family Studies 26 same as Sociology 26

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UNIVERSITY OF CALIFORNIA

Transfer Course List

Cinema Arts 31, 32

Computer 5, 6, 7

Dance

6a-d, 8a-d, 10a-d, 12a-d, 13a-b, 16a-b, 41a-d NOTE: DANC 41a-d same as MUS 97a-d and DRAM 20a-d.

Economics 1, 2

Engineering 1, 2, 3, 4, 7

English

1*, 1H*, 2, 4, 10, 14a-b, 15, 16, 17, 18, 19, 25, 30, 31, 32, 44, 45+, 45H+, 46 +45 and 45H combined: maximum credit, one course *1 and 1H combined: maximum credit allowed, one course

Ethnic Studies

Fashion 12a-b, 17a-b

French 1, 2, 3, 4

Geography 1,1L, 2, 3

Geology 1, 4,12

History

4, 5+, 5H+, 17, 18*, 18H*, 19, 20, 21, 23, 31 *18 and 18H combined: maximum credit allowed, one course +5 and 5H combined; maximum credit allowed, one course Health and Wellness 1*, 3, 7*, 60* *1, 7, and 60: maximum credit allowed, one course NOTE: HW 60 same as SMED 60

Independent Study (See COS Counselor)

Intercollegiate Athletics 1athrough 30d* *See PE (*) for limitation

Journalism 1, 7

Linguistics

Mathematics

15, 16, 18, 21*, 45, 61+, 62+, 70#, 75+, 76+, 77, 80, 81 *21 and BUS 20 combined: maximum credit allowed, one course +61/62, 75/76 combined: maximum credit allowed, one series #70 maximum credit allowed, 4 units

Meteorology

Music

1+++, 4++, 5++ 6, 7, 8a-b, 10, 11, 13, 20, 21, 22a-d, 23a-d, 30a-d, 31a-d, 32a-d, 34a-d, 36a-d, 40a-d, 50a-d, 52a-d, 53a-d, 54a-d, 55a-b, 56a-b, 57a-d, 60a-d, 61a-d, 62a-d, 63a-d, 65a-d, 72a-d, 74a-d, 76a-d+, 90a-d, 91a-d, 92a-d, 94a-d, 97a-d +Limit with (*) P.E. courses: maximum credit allowed, 4 units ++1, 4, & 5 combined; no credit for 1 if taken after 4 or 5 NOTE; MUS 75a-d same as PE 41a-d.

Nutrition

18

Ornamental Horticulture 2*, 3*, 7 *2 and 3 combined; maximum credit allowed, one course Philosophy 1, 5, 12, 13, 14, 20, 25

Photography 1, 2a-d

Physical Education

1a through 16d*, 17+, 18a through 26d*, 27, 28, 30a through 35b*, 36, 37+, 52a through 68d*,70a through 76d* *any or all of these courses combined with MUS 75a-d or 76a-d; maximum credit allowed, 4 units +Any or all of these courses combined: maximum credit allowed, 8 units

Physical Science

12*, 12H*, 20* *12, 12H, and 20 combined: maximum credit allowed, one course No credit for 12, 12H, 20 if taken after a college course in Astronomy, Chemistry, Geology or Physics.

Physics

5*, 6*, 7*, 20*, 21* *20, 21 combined with 5, 6, and 7: maximum credit: one series

Plant Science

1,12

Government

5*, 5H*, 7, 25+ *5 and 5H combined: maximum credit allowed, one course +25 and AJ 14 combined; maximum credit, one course NOTE: GOVT 7 same as JOUR 7; GOVT 25 same as AJ 25 and BUS 25.

Transfer Course List

UNIVERSITY OF CALIFORNIA

Psychology 1, 5, 10, 34, 39

Sociology 1, 2,26* *Note: Sociology 26 same as Consumer/Family Studies 26

Spanish

1, 2, 3, 4, 12, 22*, 23*, 24* *22 is equivalent to 2: maximum credit allowed, one course; 23 is equivalent to 3: maximum credit allowed, one course; 24 is equivalent to 4: maximum credit allowed, one course

Speech Arts 1, 3, 4,5,7, 8,9

Sports Medicine

40*, 60+, 70*, 71*, 72*, 73* *40, 70, 71, 72, 73 combined; maximum credit allowed, one course +60 and HW 1 & 7 combined; maximum credit allowed, one course NOTE: Sports Med 60 same as HW 60

Drama

1, 2, 3, 4, 5,6,7, 8,9,11a-d, 12a-b, 13a-b, 14a-b, 15a-b,16a-b, 17a-b, 18a-b, 19a-d, 20a-d, 21a-d, 22a-d,30a-b,40a-b,60

umber System

Private Independent Colleges

alifornia

College of the Sequoias is accredited by the Western Association of Schools and Colleges. Therefore, COS courses numbered 1-199 will usually be accepted as transfer credit at universities and colleges throughout the country. Students who plan to transfer to a private or out-of-state college should consult the specific catalog with the assistance of a COS courselor to determine lower division requirements necessary for transfer.

The California Articulation Number (CAN) System identifies some of the transferable, lower division preparatory courses commonly required by four year colleges and universities. Lists of courses for campuses participating in the CAN system are available in the Counseling Office and the Transfer Center. The system assures students that CAN courses on one participating campus will be accepted 'in lieu of' the comparable CAN course on another participating campus. Example: CAN CHEM 2 at College of the Sequoias will be accepted for CAN CHEM 2 at any other participating campus. California Articulation Numbers are listed below, and parenthetically after each course description in this catalog.

rticulation

CAN AG 4	AGTC 101	Basic Farm Mechanics	CAN AJ 6	AJ 112	Criminal Evidence	
CAN AG 6	ASCI 1	Introduction to Animal Science	CAN AJ 8	AJ 118	Criminal Investigations	set in a
CAN AG 8	PLSI 1	Introduction to Crop Science	CAN ANTH 2	ANTH 11	Physical Anthropology	
CAN AG 12	ASCI 103	AnimalNutrition	CAN ANTH 4	ANTH 10	Cultural Anthropology	
CAN AG 14	AG 4	Soils	CAN ART 2	ART 2	Art History	
CAN AG 20	ASCI 111	Beef Production and Management	CAN ART 4	ART3	Art History	
CAN AG 22	ASCI 112	Sheep Production & Management	CAN ART 6	ART 17A + 17B	Basic Ceramics	
CAN AG 24	ASCI 110	Swine Production & Management	CAN ART 8	ART8	Drawing Fundamentals	
CAN AG 26	ASCI 22	Horse Husbandry	CAN ART 12	ART 11A +11B	Sculpture	
CAN AG 28	DSCI 101	Elements of Dairying	CAN ART 14	ART6	Color and Design	
CAN AJ 2	AJ 11	Introduction to Criminal Justice	CAN ART 16	ART7	Color and Design	
CAN AJ 4	AJ 14	Introduction to Criminal Law I			-	

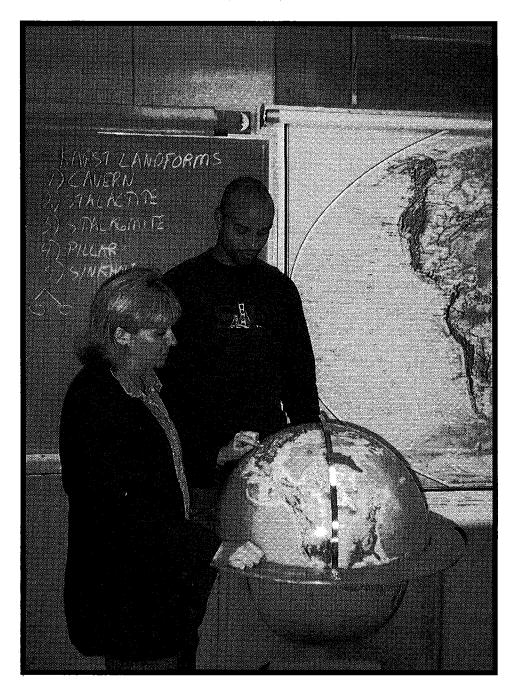
alifornia

rticulation

umber System

CAN ART 18	PHOT 1	Beginning Photography	CAN FCS 8	NUTR 101	Foods
CAN ART 20	ART 15+16	Printmaking + Advanced	CAN FCS 14	CHLD 39 or	
		Printmaking		PSYC 39	Child Development
CAN BIOL 4	BIOL 1	Principles of Biology	CAN HIST 2	HIST 4	The History of Western Civilization
CAN BIOL 6	BIOL 2	General Biology			to 1648
CAN BIOL 10	BIOL 30	Human Anatomy	CAN HIST 4	HIST 5	The History of Westem Civilization
CAN BIOL 12	BIOL 31	Human Physiology			since 1648
CAN BIOL 14	BIOL 40	General Microbiology	CAN HIST 8	HIST 17	The People of the United States
CAN BUS 2	ACCT 1	Principles of Accounting	CAN HIST 10	HIST 18	The People of the United States
CAN BUS 4	ACCT 2	Principles of Accounting	CAN JOUR 2	JOUR 1	Beginning Newswriting
CAN BUS 6	COMP 5	Introduction to Computer Information	CAN JOUR 4	JOUR 7 or	0 0 0
		Systems		GOVT 7	Mass Communications;
CAN BUS 12	BUS 18	Business Law			Introduction
CAN CHEM 2	CHEM 1	General Chemistry	CAN MATH 2	MATH 45	Modern Applications of
CAN CHEM 4	CHEM 2	General Chemistry			Mathematics
CAN CHEM 6	CHEM 20	General Chemistry	CAN MATH 8	MATH 154	Trigonometry
CAN CHEM 8	CHEM 21	General Organic and Biological	CAN MATH 16	MATH 70	Precalculus
		Chemistry	CAN MATH 18	MATH 75	Calculus with Analytic Geometry
CAN CSCI 4	MATH 15	Computer Science I	CAN MATH 20	MATH 76	Calculus with Analytic Geometry
CAN CSCI 6	COMP 6	Basic Progamming	CAN MATH 22	MATH 77	Calculus with Analytic Geometry
CAN CSCI 8	COMP 7	Cobol Programming	CAN MATH 24	MATH 81	Differential Equations
CAN DRAM 8	DRAM 2	Fundamentals of Acting I	CAN MATH 26	MATH 80	Linear Algebra
CAN DRAM 12	DRAM 13 A	Beginning Stagecraft	CAN MATH 30	MATH 61	Survey of Calculus 1
CAN DRAM 14	DRAM 17 A	Макеир	CAN MATH 32	MATH 62	Survey of Calculus 2
CAN DRAM 18	DRAM 1	Introduction to the Theatre	CAN MUS 2	MUS 4	Comprehensive Musicianship I
CAN ECON 2	ECON 1	Principles of Economics I	CAN MUS 4	MUS 5	Comprehensive Musicianship II
CAN ECON 4	ECON 2	Principles of Economics II	CAN PHIL 2	PHIL 1	Introduction to Philosophy
CAN ENGL 2	ENGL 1	College Reading and Composition	CAN PHIL 4	PHIL 5	Ethics
CAN ENGL 4	ENGL 4	College Composition and Literature	CAN PHIL 6	PHIL 20	Introductory Logic
CAN ENGL 6	ENGL 14A	0	CAN PHYS 2	PHYS 20	General Physics
	or 14B	Creative Writing	CAN PHYS 4	PHYS 21	General Physics
CAN ENGL 8	ENGL 15	Survey of British Literature 1	CAN PHYS 8	PHYS 5	Physics for Scientists and
CAN ENGL 10	ENGL 16	Survey of British Literature 2			Engineers
CAN ENGL 14	ENGL 30	U.S. Literature 1	CAN PHYS		-
CAN ENGL 16	ENGL 31	U.S. Literature 2	SEQ B	PHYS 5+6+7	Physics for Scientists and
CAN ENGR 2	ENGR 1	Graphics			Engineers
CAN ENGR 4	ENGR 3	Materials Science	CAN PSY 2	PSY 1	General Psychology
CAN ENGR 6	ENGR 4	Alternating Current Circuits	CAN SOC 2	SOC 1	Introduction to Sociology
CAN ENGR 8	ENGR 2	Statics	CAN SOC 4	SOC 2	The Sociology of Social Problems
CAN ENGR 10	ENGR 7	Surveying	CAN SPAN 2	SPAN 1	Elementary Spanish 1
CAN FREN 2	FREN 1	Elementary French 1	CAN SPAN 4	SPAN 2	Elementary Spanish 2
CAN FREN 4	FREN 2	Elementary French 2	CAN SPAN 8	SPAN 3	Intermediate Spanish
CAN FREN 8	FREN 3	Intermediate French	CAN SPAN 10	SPAN 4	Advanced Spanish
CAN FREN 10	FREN 4	Advanced French	CAN SPCH 4	SPCH 1	Fundamentals of Public Speaking
CAN GEOG 2	GEOG 1	Physical Geography	CAN SPCH 6	SPCH 5	Argumentation and Debate
CAN GEOG 4	GEOG 3	Cultural Geography	CAN SPCH 8	SPCH 4	Interpersonal Communications
CAN GEOL 2	GEOL 1	Physical Geology	CAN SPCH 10	SPCH 8	Group Communications
CAN GOVT 2	GOVT 5	Federal, State and Local Government	CAN STAT 2	MATH 21	Introduction to Statistics
CAN FCS 2	NUTR 18	Nutrition	1		
CAN FCS 12	CFS 26 or				
	SOC 26	Marriage and Family Life			
	-	····· ································			

Major and Certificate Requirements



"It's what you learn after you know it all that counts."

John Wooden

Major and Certificate Requirements

Degrees

Students at College of the Sequoias who complete the appropriate requirements may earn either an Associate of Arts or an Associate of Science degree. Both degrees represent significant levels of achievement and may be used by students who plan to start their career immediately after graduating or, with proper planning and course selection, by those who plan to transfer to a four year university.

Associate of Arts (AA) degree is granted to students majoring in the arts, humanities, social sciences, and similar areas.

Associate of Science (AS) degree is granted to students majoring in agriculture, engineering, technology, the sciences, and related programs.

All majors are organized alphabetically on the following pages for your convenience. Specific majors can be found listed alphatetically in the index of this catalog.

Vocational Certificate Program

College of the Sequoias Vocational Certificates are awarded to students who have satisfactorily completed a high level of technical training and meet or exceed the skills and knowledge required for employment in business or industry.

Certificates are not equal to an AS or AA degree and can usually be completed in a much shorter period of time. Certificates verify to eployers that the recipient has achieved a high level of technical competency. Certificate units can also be appplied toward an associate degree concurrently or at a later date.

Certificate Policy

The College of the Sequoias will issue certificates to those students who satisfactorily complete the requirements stated in the collwege catalog with a "C" or better grade in each required class.

Students can petition for a waiver and/or the certificate requirements with training and/or professional experience from another institution or agency. Students must complete at least 50% of the units required for the certificate in classes offered through COS. The petition should be initiated through the division chair or department faculty in which the certificate training is available. Verification of any substitution for a required class must be attached to the certificate application.

All certificates issued by the College of the Sequoais District must be approved by the Dean of Academic Services - Vocational.

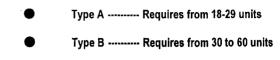
How to Apply for a Certificate

Certificate applications are available from the Dean of Academic Services-Vocational, or the Division chair of the division in which the coursework is provided.

The students must complete the application and attach all necessary documentation and return the application to the faculty and division chair for signatures. When signed, the application should be forwarded to the Dean of Academic Services-Vocational for approval.

Types of Certificates

Career Certificates



These certificates are awarded tos tudents who have achieved the highest level of tehcnical competency in their field and have satisfactorily completed a rigorous sequence of courses. The requirements for these certificates are based upon close articulation with business and industry.

Skill Certificates (17 or fewer units)

Skill certificates also prepare students for employment, but have fewer unit requiremens than the Career Certificates. They are highly specialized and are available in a wide variety of career and technical areas. These certificates are frequently used to upgrade or update an individuals skills for promotion or increased salary.

Major and Certificate Listings

Division Listing

Beginning on the adjacent page, we have listed all majors and certificates available in each division of study at College of the Sequoias.

Aphabetical Listing

Following the "division' listing of all certificates and majors, each major and certificate is listed alphabetically.

No person shall, on the grounds of sex, race, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination in any program or service at College of the Sequoias.

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Alphabetical Listing of All Certificates and Majors by Division

Name of Major/Certificate	Page	Certificate Units		Associate Degree
			Units in Major	AA/AS
Agriculture				
Agricultural Business Management	81	30	30	AS
Agricultural Pest Management	82	30		A0
Agricultural Power Equipment Technology	83	17		
Agricultural Science	84	30	30	AS
Agricultural Technology	85	30	30	AS
Animal Science	87	30	30	AS
	1			
California Dairy Products Training Institute (Applied Skills)	97	17		
California Dairy Products Training Institute (Concepts)	98	17		
Dairy Science	115	30	30	AS
Equine Science	125	30		.
Floral Technology	132	30		
andscape Design	146	30		
_andscape Management	147	30	30	AS
Nursery Management	160	30	30	AS
Drnamental Horticultural	161	30	30	AS
Plant Science and Industry	169	30	30	AS
/eterinary Technician	178	17		
Business				
Accounting	77	31	31	AS
Administrative Assistant	80	30	30	AS
Business (General)	95	30	30	AS
Business Management	96		30	AS
Computer Applications	107	30	30	AS
Computer/Information Systems	108	30	30	AS
Computer Web Technician	109	7		
Computerized Office Procedures	110	30	30	AS
Family Support Officer	126	14		
_aw Office Clerk/Receptionist	149	14		
_egal Documents Clerk	150	17		
Aarketing Management	153	30		
• •	163	30	30	AS
Paralegal Deal Estate			30	AS
Real Estate	171	29		
Nord Processing	181	30		
	101	04	04	
Child Development	101	24	24	AS
Child Development, Early Childhood Education, Option II	102	26		
Consumer/Family Studies	113		21	AS
ashion Design	127	24	24	AS
Fashion Retailing	128	22	22	AS
Food Service 1: Basic Certificate	133	11		
Food Service 2: Dietetic Service Supervisor	134	22		
Food Service 3: Food Service Management	135	28		
Food Service Management	135		28	AS
· · · · · · · · · · · · · · · · · · ·				

Alphabetical Listing of All Certificates and Majors by Division

Name of Major/CertificatePageUnitsIndijorAA/ASFine ArtsMajorAA/ASFine ArtsArtCommercial AtDramatic Arts: Technical EmphasisMusic: Insurvertal EmphasisMusic: Insurvertal Emphasis					Associate Degree
Art 90 23 AA Commercialtr 106 33 Dramatic Arts: Acting Emphasis 118 31 AA Dramatic Arts: Technical Emphasis 119 31 AA Music: Theory/Composition Emphasis 156 30 AA Music: Vocal Emphasis 157 30 AA Music: Vocal Emphasis 158 31 AA Sequidas Theatre Conservatory (Letter of Completion) 173 48 (Not an approved major or certificate) Sequidas Theatre Conservatory (Letter of Completion) 174 48 (Not an approved major or certificate) Sequidas Theatre Conservatory (Letter of Completion) 177 30 AA Industry and Technology 177 48 (Not an approved major or certificate) Speech Communication 92 5 Automotive Ensistons Technology 103 15 Automotive Ensistons Technology 103 15 Comp TIA A 104 17 Construction respection 111 21	Name of Major/Certificate	Page	Certificate Units	Units in Major	AA/AS
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Construction Technology 112 34 34 AS Drafting Technology 117 30 40 AS Electronics Technology 120 35 35 AS Environmental Control Technology 124 29 29 AS Graphic Design 138 30 41 AS Industrial Maintenance Technology 144 27-31 27-31 AS Plumbing 170 9 Waste Water Treatment 179 6 Welding 180 30 30 AS English 123 18 AA Foreign Language 86 18 AA Foreign Language Studies 136 18 AA Journalism 145 18 AA Spanish* 176 21 AA	Comp TIA Network +	105	15		
Drafting Technology 117 30 40 AS Electronics Technology 120 35 35 AS Environmental Control Technology 124 29 29 AS Graphic Design 138 30 41 AS Industrial Maintenance Technology 144 27-31 27-31 AS Plumbing 170 9 Waste Water Treatment 179 6 Welding 180 30 30 AS English 123 18 AS Foreign Language Studies 136 21 AA French 137 18 AA Journalism 145 18 AA Spanish* 176 18 AA	Construction Inspection	111	21		
Electronics Technology 120 35 35 AS Environmental Control Technology 124 29 29 AS Graphic Design 138 30 41 AS Industrial Maintenance Technology 144 27-31 27-31 AS Plumbing 170 9 Waste Water Treatment 179 6 Welding 180 30 30 AS Language Arts and Communications American Sign Language 86 18 AS English 123 18 AA Foreign Language Studies 136 18 AA Journalism 145 18 AA Spanish* 176 18 AA	Construction Technology	112	34	34	AS
Electronics Technology 120 35 35 AS Environmental Control Technology 124 29 29 AS Graphic Design 138 30 41 AS Industrial Maintenance Technology 144 27-31 27-31 AS Plumbing 170 9 Waste Water Treatment 179 6 Welding 180 30 30 AS Language Arts and Communications American Sign Language 86 18 AS English 123 18 AA Foreign Language Studies 136 18 AA Journalism 145 18 AA Spanish* 176 18 AA	Drafting Technology	117	30	40	AS
Environmental Control Technology 124 29 29 AS Graphic Design 138 30 41 AS Industrial Maintenance Technology 144 27-31 27-31 AS Plumbing 170 9 Waste Water Treatment 179 6 Welding 180 30 30 AS Language Arts and Communications_ American Sign Language 86 18 AS English 123 18 AA Foreign Language Studies 136 18 AA Journalism 145 18 AA Spanish* 176 18 AA		120	35	35	AS
Graphic Design 138 30 41 AS Industrial Maintenance Technology 144 27-31 27-31 AS Plumbing 170 9 Waste Water Treatment 179 6 Welding 180 30 30 AS Language Arts and Communications American Sign Language 86 18 AS English 123 18 AA Foreign Language Studies 136 21 AA Journalism 145 18 AA Spanish* 176 21 AA		124	29	29	AS
Industrial Maintenance Technology 144 27-31 27-31 AS Plumbing 170 9 Waste Water Treatment 179 6 Welding 180 30 30 AS Language Arts and Communications American Sign Language 86 18 AS English 123 18 AA Foreign Language Studies 136 18 AA Journalism 145 18 AA Spanish* 176 21 AA		138	30	41	AS
Plumbing 170 9 Waste Water Treatment 179 6 Welding 180 30 30 AS Language Arts and Communications_ 18 AS American Sign Language 86 18 AS English 123 18 AA Foreign Language Studies 136 18 AA French 137 18 AA Journalism 145 18 AA Spanish* 176 21 AA			27-31	27-31	
Waste Water Treatment 179 6 Welding 180 30 30 AS Language Arts and Communications 18 AS American Sign Language 86 18 AS English 123 18 AA Foreign Language Studies 136 18 AA French 137 18 AA Journalism 145 18 AA Spanish* 176 21 AA			1 1	1	
Welding1803030ASLanguage Arts and Communications8618ASAmerican Sign Language8618ASEnglish12318AAForeign Language Studies13621AAFrench13718AAJournalism14518AASpanish*17621AA	0				
Language Arts and Communications_American Sign Language86English123Foreign Language Studies136French137Journalism145Spanish*176Library				30	AS
American Sign Language 86 18 AS English 123 18 AA Foreign Language Studies 136 21 AA French 137 18 AA Journalism 145 18 AA Spanish* 176 21 AA					
American Sign Language 86 18 AS English 123 18 AA Foreign Language Studies 136 21 AA French 137 18 AA Journalism 145 18 AA Spanish* 176 21 AA	Language Arts and Communications_				
English 123 18 AA Foreign Language Studies 136 21 AA French 137 18 AA Journalism 145 18 AA Spanish* 176 21 AA		86		18	AS
Foreign Language Studies 136 21 AA French 137 18 AA Journalism 145 18 AA Spanish* 176 21 AA					
French 137 18 AA Journalism 145 18 AA Spanish* 176 21 AA			· · · · · · · · · ·		
Journalism 145 18 AA Spanish* 176 21 AA Library AA AA AA					
Spanish* 176 21 AA Library					
Library					
		152	17		
		102			

Alphabetical Listing of All Certificates and Majors by Division

		Certificate	Units in	Associate Degree
Name of Major/Certificate	Page	Units	Major	AA/AS
Math and Engineering	- 400		20	40
Engineering	122		29	AS
Mathematics	154		26	AS
Mathematics-Science	155		21	AS
Nursing	_			
Certified Nursing Assistant	99	6		
Emergency Medical Technician B	121	4		
Home Health Aide	141	2		·
Pharmacy Technician	165	10		
Registered Nursing	172		87	AS
Physical Education				
Athletic Trainer/Sports Medicine	91		36	AS
Dance	116		26	AA
Health Education	140		30	AA
Physical Education	166		30	AA .
Science				
Biology	94		25	AS
Chemistry	100		30	AS
Physics	168		33	AS
Physical Science	167		30	AS
Social Sciences				
Administration of Justice: corrections Emphasis	78		27	AS
Administration of Justice: Enforcement Emphasis	78		27	AS
	133	36	36	AS
Human Services (Social Work)				
Social Sciences	166		30	AA
Specialized Training	_			
Cosmetology	114	24-38	38	AS
Fire Academy	129	9		[,
Fire Technology	130	30	28	AS
_aw Enforcement	148	24		
P.O.S.T. Basic Police Academy	162	12		
Other	- 440		20	
-lumanities	143		30	AA
iberal Arts	151		20	AA
				18 ¹ - 1

Alphabetical Listing of All Certificates and Majors

		Certificate	Units in	Associate Degree
Name of Major/Certificate	Page	Units	Major	AA/AS
Α				
Accounting Administration of Justice: Corrections Emphasis Administration of Justice: Enforcement Emphasis Administrative Assistant Agricultural Business Management Agricultural Pest Management Agricultural Power Equipment Technology Agricultural Science Agricultural Technology American Sign Language Animal Science Architecture Art Athletic Trainer/Sports Medicine Automotive Emissions Technician	77 78 79 80 81 82 83 84 85 86 87 88 90 91 92	31 30 30 30 17 30 30 30 30 33 5	31 27 27 30 30 30 30 30 18 30 42 23 36	AS AS AS AS AS AS AS AA AS AS AS AA AS AS
Automotive Technology	93	33	38	AS
Biology Business (General) Business Management	94 95 96	 30 	25 30 30	AS AS AS
California Dairy Products Training Institute (Applied Skills) California Dairy Products Training Institute (Concepts) Certified Nursing Assistant Chemistry Child Development Child Development, Early Childhood Education, Option II CISCO CCNA Academy Comp TIA A+ Comp TIA Network + Commercial Art Computer Applications Computer/Information Systems Computer/Information Systems Computerized Office Procedures Construction Inspection Construction Technology Consumer/Family Studies Cosmetology	97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114	17 17 6 24 26 15 17 15 33 30 30 30 7 30 21 34 24-38	 30 24 30 24 30 21 34 21 38	 AS AS AS AS AS AS AS AS AS
Dairy Science Dance Drafting Technology Dramatic Arts: Acting Emphasis Dramatic Arts: Technical Emphasis	115 116 117 118 119	30 30 	30 26 40 31 31	AS AA AS AA AA

Alphabetical Listing of All Certificates and Majors

		Certificate	Units in	Associate Degree
Name of Major/Certificate	Page	Units	Major	AA/AS
E				
Electronics Technology	120	35	35	AS
Emergency Medical Technician B	121	4		
Engineering	122		29	AS
English	123		18	AA
Environmental Control Technology	124	29	29	AS
quine Science	125	30		
F				
amily Support Officer*	126	14	••••	
Fashion Design	127	24	24	AS
ashion Retailing	128	22	22	AS
ire Academy	129	9		
ire Technology	130	30	28	AS
Ioral Technology	132	30		
ood Service 1: Basic Certificate	133	11		
ood Service 2: Dietetic Service Supervisor	134	22		
Food Service 3: Food Service Management	135	28	••••	
ood Service Management	135		28	AS
oreign Language Studies	136		21	AA
rench	137		18	AA A
G				
Graphic Design	138	30	41	AS
ealth Education	140		30	AA
tome Health Aide	140	2		
luman Services (Social Work)	142	36	36	AS
lumanities	142		30	AS AA
	140		50	~~
ndustrial Maintenance Technology	144	27-31	27-31	AS
L				
oumalism	145		18	AA
L				
andscape Design	146	30		
andscape Management	147	30	30	AS
awEnforcement	148	24		
aw Office Clerk/Receptionist	149	14		
egal Documents Clerk	150	17		
iberal Arts	151		20	AA
ibrary Technician	152	17		
,				

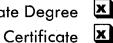
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Alphabetical Listing of All Certificates and Majors

		Contificato	Units in	Associate Degree
Name of Major/Certificate	Page	Certificate Units	Major	AA/AS
M				
Marketing Management	153	30		
Mathematics	154		26	AS
Mathematics-Science	155		21	AS
Music: Instrumental Emphasis	156		31	AA
Music: Keyboard Emphasis	157		30	AA
Music: Theory/Composition Emphasis	158		30	AA
Music: Vocal Emphasis	159		31	ÂĂ
N				
Nursery Management	160	30	30	AS
Ornamental Horticultural Technology	161	30	30	AS
P	101		00	
	460	40		
P.O.S.T. Basic Police Academy	162	12	20	
Paralegal	163	37	30	AS
Pharmacy Technician	165	10		
Physical Education	166		30	AA
Physical Science	167		30	AS
Physics	168		33	AS
Plant Science Plumbing	169 170	30 9	30	AS
R	170			
RealEstate	171	29		
Registered Nursing	172		87	AS
Sequoias Theatre Conservatory				
Theatre Arts: Acting Emphasis (Letter of Completion)	173	48	(Not an appro	ved major or certificate.)
Sequoias Theatre Conservatory				•
Theatre Arts: Technician Emphasis (Letter of Completion)	174	48	(Not an appro	ved major or certificate.)
Social Sciences	175		30	AA
Spanish	176		21	AA
Speech Communication	177		30	AA
Veterinary Technician	178	17		
W	170	17	••••	
Waste Water Treatment	179	6		
Welding	180	30	30	AS
Word Processing	181	30		

Accounting

Associate Degree



A.S. Degree: Certificate courses with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.) Certificate: 31 units in courses listed below with a minimum of a "C" grade in all courses. Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

The Accounting Program is designed to prepare students to enter the workforce to do bookkeeping/accounting. Without accounting, sound economic decisions could not be made, business planning and decision making would be difficult and companies could not operate. Accountants gather, record, report and interpret financial information. Career opportunities are available in government, business and industry, nonprofit organizations, and private accounting firms.

	Course Numbers	Core Courses	Units
or	ACCT 1 ACCT 101 ACCT 202	Principles of Accounting (4) Essentials of Accounting (5) and General Vocational Accounting (5)	4-10
	ACCT 210 ACCT 282 BUS 82 BUS 185	Computer Accounting Individual Income Tax Introduction to Business Ethics in Business and Industry	3
	BUS 295 BUS 119 BUS 20*	Business Mathematics (3) Quantitative Methods (3) Business Statistics	3
or	COMP 5, COMP 130	Introduction to Computer Information Systems (4) Introduction to Personal Computers	4
or	COMP 138 COMP 223a-d COMP 224a-d	Spreadsheet Design for Business (3) Beginning Excel (1.5) and Advanced Excel (1.5)	3
		Minimum Core Course Units:	28-34
	Course Number	Support Courses	Units
	Select 0-3 additional u	nits from this list to complete the total units required.	
	ACCT 2 BUS 174 BUS 184 BUS 268	Principles of Accounting Marketing Principles Business Communications Electronic Calculating	3 3
		Minimum Support Course Units:	0-3
		Total Minimum Units Required:	31



Associate Degree Certificate

Administration of Justice: Corrections Emphasis

 A.S. Degree:
 27 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

 Certificate:
 Certificate is not available.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.S. DEGREE

The Administration of Justice program offers courses integrating theoretical and applied materials. Students may specialize in either Corrections or Law Enforcement. The curriculum is designed to prepare students for beginning paraprofessional or professional employment in criminal justice.

The Administration of Justice major offers career opportunities in many diversified local, state, federal, and private criminal justice agencies. On a local level, employment opportunities for students with a Corrections emphasis include county probation departments, halfway houses, group homes, crisis centers, juvenile halls, and victim services agencies. At the state level, employment opportunities exist with the Department of Corrections and California Youth Authority. The federal level offers employment with federal probation and juvenile institutions.

Course Numbers	Core	Units
AJ 11	Introduction to Criminal Justice	
AJ 111	Writing for Criminal Justice	
AJ 114	Juvenile Delinguency	
AJ 115	Criminal Law II	
AJ 116	Probation and Parole	
AJ 117	Correction, Interviewing and Counseling	
AJ 121	Introduction to Corrections	
	Total Minimum Units Required:	18

Course Numbers	Support	Courses
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Units

Select 9 additional units from this list for further study.

	Total Minimum Units Required	27
	Minimum Support Course Units	
BUS 130	Introduction to Personal Computer Operations	3
AJ 193-196	Work Experience	
AJ 160	Criminal Law Terms in Spanish	
AJ 135	Criminal Justice Ethics	
AJ 123	Criminal Justice Ethics	3
AJ 120	Women in the Criminal Justice Field	
AJ 115	Criminal Law II	
AJ 113	Juvenile Laws and Procedures	
AJ 25	Constitutional Law	3
AJ 14	Introduction to Criminal Law I	
AJ 13	Community Relations	

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Administration of Justice: Enforcement Emphasis

Associate Degree

Certificate

X	

A.S. Degree:	27 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units.
	(See page 54.)
Certificate:	Certificate is not available.
Transfer Students	s: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.S. DEGREE

The Administration of Justice program offers courses integrating theoretical and applied materials. Students may specialize in either Corrections or Law Enforcement. The curriculum is designed to prepare students for beginning paraprofessional or professional employment in Criminal Justice.

The Administration of Justice major offers career opportunities in many diversified local, state, federal, and private criminal justice agencies.

For Administration of Justice students with a Law Enforcement emphasis, career opportunities on the local level include work in municipal police departments, county sheriffs offices, and welfare fraud. At the state level, career opportunities include state police, highway patrol, Alcohol Department, Motor Vehicles Department, Department of Justice, Fish and Game, and Forestry. Federal opportunities include the border patrol, FBI, and Secret Service.

Course Numbers	Core Courses	Units
AJ 11	Introduction to Criminal Justice	
AJ 13	Community Relations	
AJ 14	Introduction to Criminal Law 1	
AJ 25	Constitutional Law Interpretation	
AJ 111	Writing for Criminal Justice	
AJ 112	Criminal Evidence	
AJ 115	Criminal Law II	

Total Minimum Units Required: 18

Course Numbers Support Courses Units

Select 9 additional units from this list for further study.

AJ 25	Constitutional Law		
AJ 110	Police Patrol Procedures		
AJ 113	Juvenile Laws and Procedures		3
AJ 114	Juvenile Delinquency		
AJ 118	Criminal Investigation		
AJ 119	Criminal Investigation Criminal Identification	2000 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 -	
AJ 120	Women in the Criminal Justice Field		
AJ 122	Principles and Procedures for the Criminal Justice System		3
AJ 123	Criminal Justice Ethics		
AJ 160	Criminal Law Terms in Spanish		
AJ 193-196	Work Experience		1-4
BUS 130	Introduction to Personal Computer Operation		
	Minimum Support Course Units		9
	Total Minimum Units Required		27



Associate Degree Certificate

 A.S. Degree:
 Certificate plus General Education and graduation requirements for a total of 60 units. (See page 54.)

 Certificate:
 The 30-unit program below with a minimum of a "C" grade in all required courses.

 Transfer Students:
 Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

The Administrative Assistant Program incorporates the clerical skills of filing and typing with the managerial skills of communication, time management, and administrative decision making. The strength of any well-run office is directly related to its office managers, administrative assistants, and secretaries. The administrative assistant of tomorrow must be prepared to meet the technological needs of business, using the computer to process information. The administrative assistant position often acts as a springboard for advancement within the company. Related fields include legal secretary, medical secretary, and office manager.

	Course Numbers	Core Courses	Units
	ACCT 1	Principles of Accounting (4)	
or	ACCT 101	Essentials of Accounting (5)	4-5
	BUS 82	Introduction to Business	
	BUS 271	College Keyboarding, Level 2	
	BUS 184	Business Communications	
	BUS 188	Human Relations in Business	
	BUS 268	Electronic Calculating	
	BUS 293	Business English	
	BUS 295	Business Mathematics (3)	
or	BUS 119	Quantitative Methods (3)	
or	BUS 20	Statistics	
	COMP 5	Introduction to Computer Information Systems (4)	
or	COMP 130	Introduction to Personal Computers	4
		Minimum Core Course Units:	

Course Numbers Support Courses

Units

Select additional units from this list to complete the total units required.

BUS 18 BUS 170 BUS 174 BUS 185 COMP 136 COMP 220 COMP 221a-d COMP 222a-d COMP 222	Business Law Introduction to Sales Marketing Principles Ethics in Business and Industry Word Processing Using WordPerfect Essential Computer Concepts Beginning Word Advanced Word Presentation Software for Business Web Page Design & Development	3 3 1 1.5 1.5 1.5
	Minimum Support Course Units:	1

Agricultural Business Management

Associate Degree 🗶

Certificate

A.S. Degree: Certificate courses with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

Certificate: 30 units in courses listed below with a minimum of a "C" grade in all courses.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

The Agriculture Business Management Program is designed to prepare students who seek a certificate or degree in the Agriculture Business Management field. The coursework provides the fundamentals for entry-level job skills in Agriculture Management as well as providing degree applicable units for the Associate of Science Agricultural major degree. Some of the courses also meet transfer requirements. The COS Agriculture Business Management Certificate/Degree major provides a strong curriculum foundation for Agricultural business students.

Course Numbers	Core Courses	Units
AGMT 1	Agriculture Economics	3
AGMT 102	Agriculture Sales	
AGMT 103	Introduction To Agricultural Management	
AGMT 104	Agriculture Accounting	
AGMT 108a-b	Introduction to Agriculture Computer Applications (first semester)	
WEXP 193	Occupational Cooperative Education/Internship	
	Minimum Core Course Unite	19

Course Numbers Support Courses

Units

Select 11 additional units from this list to complete the total units required.

AG 4	Soils	3
AG 194	Work Experience	1-4
AG 201	Agricultural Mathematics	3
AG 200	Agricultural Mathematics Orientation To Agriculture	1
AGMT 108a-b	Introduction to Agriculture Computer Applications (2nd semester)	
AGMT 107a-d	Agricultural Communication/Journalism	
AGMT 271	Agriculture Business Industry	
DSCI 103	Dairy Herd Management	
PLSI 1	Introduction to Plant Science	
AG	Other Approved Agriculture Classes With Approval of Department	1-4
	Minimum Support Course Units:	11
	Total Minimum Units Required:	30



Associate Degree Certificate

Degree: Certificate:

82

Degree not available. 30 units in courses listed below with a minimum of a "C" grade in all courses.

CERTIFICATE

A major/certificate in Agricultural Pest Management offers students an opportunity to develop valuable job entry skills in plant protection. Insect pests and plant diseases along with environmental and economic concerns are the primary focus of this program. Students interested in careers such as crop consultant or farm manager are encouraged to enroll in this area of study. Many of the courses will count as lower division requirements for advanced degrees in crop and plant science.

Course Numbers	Core Courses	Units
AG 3	Economic Entomology	3
AG 4	Soils	3
AG 105	Fertilizers	
AG 125	Principles of Pesticide Use	3
AGMT 108a-b	Introduction to Agriculture Computer Applications (1st semester)	
PLSI 1	Introduction to Plant Science	
PLSI 105	Weeds and Weed Control	
WEXP 193	Occupational Cooperative Education/Internship (1st semester)	3
	Minimum Core Course Units:	

Course Numbers Support Courses Units

Select 6 additional units from this list to complete the total units required.

AG 200	Orientation to Agriculture	3
AG 201	Agricultural Mathematics	3
AGMT 102	Agricultural Sales and Service	3
AGMT 108a-b	Introduction to Agriculture Computer Applications (2nd semester)	3
AGTC 108	Irrigation	
PLSI 12	Fruit and Nut Tree Production	3
PLSI 102	Row Crops	
PLSI 111	Row Crops Citrus Production	
PLSI 113	Grape and Vine Production	3
PLSI 271	The Plant Science Industry	
AG	Other Approved Agriculture Classes	
	With Approval of Department	3
	Minimum Support Course Units:	6
	Total Minimum Units Required:	30

Agricultural Power Equipment Technology

Associate Degree Certificate

x	

Degree:Degree not availableCertificate:17 unit program below with a minimum of a "C" grade in all courses.

CERTIFICATE

The Agricultural Power Equipment Technology Program prepares the student to enter the highly technical field of Power Equipment Technology. Studies include operation, service, repair and maintenance of modern agricultural equipment. Practical hands-on lessons as well as modern theory are stressed. Careers include shop technician, service manager, equipment operator, equipment sales, and field service technician. Many of the courses are transferable to universities for degrees in related agricultural mechanics fields.

Course Numbers	Core Courses	Units
AG 193	Occupational Cooperative Education/Internship (1-4)	2
AGTC 213	Principles of the Fluid Power Technician	
AGTC 214	Outdoor Power Equipment	
AGTC 215	Outdoor Power Equipment Application	
AGTC 216	Applied Hydraulics	
	Minimum Core Course Units:	

Course Numbers	Support Courses	Units

Select 5 additional units from this list to complete the total units required.

AGMT 106a-b	Introduction to Agricultural Computer Applications	3
AGTC 104	Farm Machinery	
AGTC 106a-b	Farm Welding	2
AGTC 111	Agricultural Equipment Maintenance	
AUTO 109	Air Conditioning	3
WELD 161	Oxy-Acetylene Welding	4
	Minimum Support Course Units:	5
	Total Minimum Units Required:	17



Associate Degree Certificate

Agricultural Science

A.S. Degree: Certificate courses with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

Certificate: 30 units in courses listed below with a minimum of a "C" grade in all courses.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

The major/certificate in Agricultural Sciences and Education is designed for a student who seeks employment as a general agriculturist or teacher in the agricultural education field. The generalized curriculum gives students a broad base in agricultural education that includes agriculture management, animal agriculture, agriculture technology, ornamental horticulture and plant science.

Course Numbers	Core Courses	Units
AGMT 1	Agricultural Economics	
AGMT 108a-b	Introduction to Agriculture Computer Applications	
AGTC 101	Basic Farm Mechanics	
ASCI 1	Introduction to Animal Science	
ASCI 123	Horse Production	
DSCI 101	Elements of Dairy	
OH 101	Basic Ornamental Horticulture	
WEXP 193	Occupational Cooperative Education/Internship	
	Minimum Core Course Units:	21

Course Numbers Support Courses

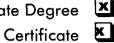
Units

Select 9 additional units from this list to complete the total units required.

	Total Minimum Units Required:	
	Minimum Support Course Units:	
	With Approval of Department	1-4
AG	Other Approved Agriculture Classes	
	[1st semester]	1-4
WEXP 193	Occupational Cooperative Education/Internship (1-4)	
PLSI 1	Introduction to Plant Science	
AGMT 271	Agricultural Business Industry	
AGMT 107a-d	Agricultural Communication/Journalism	
AGMT 108a-b	Introduction to Agriculture Computer Applications	
AG 200	Orientation To Agriculture	
AG 201	Agricultural Math	
AG 4	Soils	3

Agricultural Technology

Associate Degree



Certificate courses with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. A.S. Degree: (See page 54.) Certificate: 30 units in courses listed below with a minimum of a "C" grade in all courses.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

Agriculture is highly mechanized, and production agriculture cannot exist without technology and machinery. Agricultural Technology students develop skills and knowledge using tools and equipment on the modern COS farm. Farm buildings are constructed and repaired using both wood and metal fabrication techniques. Students also have the opportunity to study irrigation principles, land surveying and laser leveling. Farming industries are in need of agricultural technology students. Jobs are available on farms, sales and service of farm equipment, equipment manufacturing, ag mechanics and welding. All major universities offering agriculture programs offer advanced courses in all fields of Agricultural Technology.

Course Numbers	Core Courses	Units
AGMT 108a-b	Introduction to Agriculture Computer Applications	3
AGTC 101	Basic Farm Mechanics	
AGTC 103	Farm Power	
AGTC 106a-b	Farm Welding (1st and 2nd semesters)	2
AGTC 111	Equipment Maintenance	
AGTC 209a-d	Small Engines	2
AGTC 210a-b	Project Construction	
WELD 162	Shielded Metal Arc Welding	
WEXP 193	Occupational Cooperative Education/Internship	
	(1st semester)	
	Minimum Core Course Units:	

Course Numbers Support Courses

Units

Select 7 additional units from this list to complete the total units required.

AG 200	Orientation to Agriculture	1
AG 201	Agricultural Mathematics	3
AGTC 108	Irrigation	3
AGTC 271	Agricultural Mechanics, Skills and Projects	3
AGMT 102	Agriculture Sales	3
DSCI 200a-b	Dairy Mechanics	2
WELD 223	Stainless Steel Welding	3
AG	Other Approved Agriculture Classes	
	With Approval of Department (1-3)	3
	Minimum Support Course Units:	7
	Total Minimum Units Required:	30



Associate Degree Certificate

American Sign Language

A.A. Degree: 18 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.) Certificate not available. Certificate : Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.A. DEGREE

The major in American Sign language offers you the opportunity to learn a new language in an entirely different mode of communication. ASL is the primary language of Deaf people in the United States. Other languages use voice, hearing and writing, but ASL will develop your ability to communicate effectively in the visual mode. Moreover, you will be exposed to the richness of the unique culture of Deaf people. When you learn a second language, you also gain a greater insight into your own language and culture. You will discover possible new career opportunities, enrich your travel experiences and enhance your own visual communication techniques.

Core requirements are designed to provide basic knowledge and understanding of the Language and culture of Deaf people, including their history and social mores. These courses provide a solid basic foundation for entry into any career in a Deaf-related field. COS students have gone on to careers as interpreters, basic ASL instructors, counselors, audiologists, speech pathologists, community service personnel and other related careers.

Course Numbers	Core Courses	Units
ASL 2	Beginning ASL	
ASL 3	Intermediate ASL	
ASL 4	Advanced ASL	3
	Minimum Core Course Units:	

Course Numbers Support Courses

Units

Select 9 units from this list to complete the total units required.

ASL 110a-d	Beginning Interpreting	
ASL 1	Beginning Interpreting Beginning ASL 1 Fundamentals of Acting 1	
DRAM 2	Fundamentals of Acting 1	
ENGL 17	Native American Literature	
FREN 1,2, or 3	French	4-1
HIST 23	Mexican-American History	
SOC 1	Introduction to Sociology	
SOC 2	Sociology of Social Problems	
SPAN 1	Elementary Spanish	
SPAN 2	Elementary Spanish	
SPAN 3	Intermediate Spanish Intercultural Communication	
SPCH 9	Intercultural Communication	
	Minimum Support Course Units:	
	Total Minimum Units Required:	18

Animal S	Science
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Associate Degree



A.S. Degree: Certificate courses with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

30 units in courses listed below with a minimum of a "C" grade in all courses. Certificate:

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

The Animal Science Program is designed for students whose major interest is in working with red meat farm food animals. Students work on the college's farm, combining practical experience with technical knowledge in the beef cattle, sheep, and swine units. Most Animal Science majors return to livestock operations or seek employment as vocational agriculture teachers, animal nutritionists, animal health technicians, meat inspectors or plant managers, and in sales and services.

Course Numbers	Core Courses	Units
AGMT 108a-b	Introduction to Agriculture Computer Applications	
ASCI 1	Introduction to Animal Science	
ASCI 103	Animal Nutrition	3
ASCI 110	Swine Production	
ASCI 111	Beef Cattle Production	
ASCI 112	Sheep Production	3
WEXP 193	Occupational Cooperative Education/Internship	
	Minimum Core Course Units:	

Course Numbers Support Courses

Units

Select 9 additional units from this list to complete the total units required.

AG 200	Orientation to Agriculture	
AG 201	Agricultural Mathematics	
AGMT 1	Introduction to Aariculture Economics	
ASCI 104	Animal Diseases and Sanitation	
ASCI 105	Livestock Marketing	
ASCI 107	Introduction to Meat Science	
ASCI 109	Basic Principles of Veterinarian	
ASCI 271	The Animal Science Industry	
PLSI 1	Introduction to Plant Science	
AG	Other Approved Agriculture Classes	
	With Approval of Department (1-4)	
	Minimum Support Course Units:	
	Total Minimum Units Required:	30

Associate Degree X Architecture Certificate

A.S. Degree: Certificate courses and additional architecture courses (42 units) with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

Certificate: 33 units in courses listed below with a minimum of a "C" grade in all courses.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

Architecture integrates social, cultural, technological, and aesthetic issues. Introductory courses in the field are appropriate for the general education of students of any major.

CERTIFICATE

The certificate in Architecture provides the knowledge and skills necessary for successful employment as a draftsperson/CAD technician in architectural or engineering firms, or in related construction fields.

Course Numbers	Core Courses	Units
First Semester: ARCH 10 ARCH 20 ARCH 160 DRFT 114 DRFT 170a-d	Introduction to Architecture & Environmental Design Introduction to Graphics & Perspectives Materials of Construction Introduction to AutoCAD Computer Animation and Rendering (First semester)	
<u>Second Semester:</u> ARCH 11 ARCH 21 ARCH 131 ARCH 161a-d DRFT 170a-d	Environmental Design Fundamentals Basic Graphics Light Wood Frame Construction Computer Assisted Architectural Drawing (First semester) Computer Animation and Rendering (Second semester) Minimum Certificate Core Course Units:	

ASSOCIATE DEGREE

The degree in Architecture provides the basis for further study and employment in all aspects of environmental design, and enables students to transfer with credit in their major to university programs of architecture, interior design, planning, landscape architecture, product design, and civil engineering. It also provides the skills necessary for immediate employment in a technical capacity in architecture and allied professions.

Course Numbers	Core Courses	<u>Units</u>
First Semester: ARCH 10	Introduction to Architecture & Environmental Design Introduction to Graphics and Perspective	3
ARCH 20	Introduction to Graphics and Perspective	3
ARCH 160	Materials of Construction	3
DRFT 114	Introduction to AutoCAD	4
Second Semester:		_
ARCH 11	Environmental Design Fundamentals	3
ARCH 2	Basic Graphics	3
ARCH 131	Light Wood Frame Construction	3
ARCH 161a-d	Computer Assisted Architectural Detailing (First semester)	3
<u>Third Semester:</u>		
ARCH 120	Freehand Drawing	3
ARCH 221a-c	Freehand Drawing Perspective Alternatives (First semester) Computer Animation and Rendering (First semester)	3
DRFT 170a-d	Computer Animation and Rendering (First semester)	4
Fourth Semester:		
Support Course	Refer to listing on next page Refer to listing on next page	4
Support Course	Refer to listing on next page	3
	Minimum Support Course Units:	7
	Total Minimum Units Required for AS:	42

Refer to next page for Support Course listing

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Architecture

Associate Degree

Certificate 🔀

ourse Numbers	Support Courses	Units
elect additional unit	s from this list for further study.	
RCHITECTURE		
RCH 151	Independent Study	3
RCH 161a-d	Computer Assisted Architectural Detailing (Third and fourth semesters)	
RCH 190a-d	Supervised Practice	
RCH 221a-c	Perspective Alternatives (Second and third semesters)	
RT		
RT 2	Art History	
RT 3	Art History	3
RT 6	Color and Design	3
RT 8	Drawing Fundamentals	3
RT 23a-d	Macintosh Basics for Artists and Designers	
RT 25a-d		
	Digital Imaging for Artists	
RT 124a-d	Web Imaging for Artists and Designers	
RT 126a-d	Fractal Design Painter for Artists	
OMPUTER		
OMP 139	Windows	
OMP 140	Windows and DOS	
OMP 227	Presentation Software for Business	15
OMP 228	Introduction to the World Wide Web	
OMP 229		
	Web Page Design and Development	J
ONSTRUCTION TEC	CHNOLOGY	
T 134	Residential Construction Estimating	
T 135	Blueprint Reading/Residential Construction	
T 172	Building Codes	
<u>RAFTING</u>		_
RFT 100	Applied Drawing	3
RFT 115	Advanced AutoČAD	
RFT 116a-d	AutoCAD Applications	4
RFT 159	Adobe Illustrator	4
RFT 160	Graphic Design	
RFT 170a-d	Computer Animation and Rendering (Second, third and fourth semesters)	4
ITERIOR DESIGN	Interior Design Fundamentals	2
ITD 121	Chaop Dianning Fundamentals	ນ ກ
	Space Planning Fundamentals	
TD 124	History of Furnishings	J
BRARY		
BR 102	Internet Information Resources	
		0
H7	Landscape Design	ა ი
H 106	Landscape Drafting	
H 107	Landscape Structures	
H 108	Landscape Construction	3
PECIAL TOPICS		
I Special topics cours	Ses .	
imbered 199	All Disciplines listed above	1_/
		_
	Minimum Support Course Units for Associate Degree:	7

X

Associate Degree Certificate

Core courses (12 units) plus support courses below (11 units) with a minimum grade of "C" in all courses, plus General A.A. Degree: Education and graduation requirements for a total of 60 units. (See page 54.) Certificate: Certificate not available.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.A. DEGREE

The Art program is designed to prepare students to enter the fields of studio art, graphic communication, or art history and to provide transfer Art majors the opportunity to achieve an AA degree in the student's area of specialization. While a baccalaureate degree is the minimal recommended preparation for those considering professional careers related to these fields, the completion of the suggested program will demonstrate commitment to the field. In addition, it will provide comprehensive preparation for upper division work and/or attainment of a degree supportive of attempts to gain entry-level employment in graphic design or as a free-lance artist.

Course Numbers	Core Courses	Units
ART 1	Art Appreciation	
ART 6	Color and Design (Basic)	
ART 8	Drawing Fundamentals	
ART 11a-d	Sculpture	
	Minimum Core Course Units:	
Course Numbers	Support Courses	Units

Select 11 additional units from this list to complete the total units required. Student desiring to specialize in 2-D, 3-D, or Digital Arts should emphasize elective courses within these fields.

		Total Minimum Units Required:	2
		Minimum Support Course Units:	1
	ITEC 161a-d	Desktop Video Digital Production	4
	ART 212a-d	Photorealism Desktop Video Digital Production	3
	ART 128a-d	Lithography	3
	ART 127	Introduction to Printmaking	3
	ART 126a-d	Fractal Design Painter for Artists	3
	ART 121a-c	Serigraphy/Screen Printing	3
	ART 119a-d	Beginning Stained Glass	3
	ART 111a-b	Exhibition Design, Gallery	3
	ART 105a-d	Basic Metalcraft Welding & Forging	Ë3
	ART 101a-d	Digital Imaging for Artists Introductory Crafts	Ë 3
	ART 25a-d	Digital Imaging for Artists	Ë 3
	ART 23a-d	Macintosh Basics for Artists and Beginners	
	ART 18a-d	Ceramic Design	ີ ຊ
	ART 16a-b ART 17a-d	Advanced Printmaking Basic Ceramics	2
	ART 15	Printmaking	<u>z</u>
	ART 13a-d	Studio Painting	3
	ART 12a-d	Watercolor Painting	3
	ART 11a-d	Sculpture	3
	ART 10a-d	Figure Drawing	3
	ART 9	Drawing Composition	. 3
01	ART 7	Color and Design (advanced)	Ë3
or	ART 5	Precolumbian Art of Mesoamerica (3) Precolumbian Art of South America	3
01	ART 4	Precolumbian Art of Mesoamerica (3)	
or			3
or	ART 2 ART 3	History of Art (3) History of Art Dracelumbion Art of Massonmarian (2)	•••

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Athletic Trainer/Sports Medicine

Associate Degree 🗳

Certificate	

 A.S. Degree:
 36 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

 Certificate:
 Certificate is not available.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.S. DEGREE

This program is designed to prepare the student to administer appropriate procedures in the prevention, care and rehabilitation of athletic injuries. Students who successfully complete the program may transfer to a four-year institution to continue their education in fulfillment of the requirements of the National Athletic Trainers Association.

Course Numbers	Core Courses	Unit
BIOL 30	Human Anatomy	
BIOL 31	Human Physiology	
CHEM 20	General Chemistry	
HW 3	Standard First Aid	
NUTR 18	Nutrition	
SMED 40	Care & Prevention of Athletic Injury	
SMED 60	Concepts in Health & Fitness	
SMED 70	Fall Sports	
SMED 71	Spring Sports	
SMED 72	Advanced Fall Sports	
SMED 73	Advanced Spring Sports	2
200		
	Minimum Core Course Units:	

Course Numbers Support Courses

Units

Select 4 additional units from this list to complete the total units required.

ANTH 10	Cultural Anthropology	
CHEM 21	Organic/Biological Chemistry	
HW 1	Personal & Community Hygiene	
HW 104	Drugs & Society	
PSYC 1	General Psychology	3
SMED 180a-d	Applications for Sports Medicine	
SMED 280a-d	Policies and Procedures for Sports Medicine	. 2
	Minimum Support Course Units:	4
	Total Minimum Units Required:	36



Associate Degree Certificate

A.S. Degree:Degree not available.Certificate:5 units in the course listed below with a minimum of a "C" grade.

IMPORTANT NOTE: Prerequisites to this Certificate are the Basic Automotive Technology Certificate, or a minimum 15 semester units from the AUTO 101,102, 108 and 133 classes in general engine performance. Additional support courses may be taken to develop the required skills and knowledge needed to complete this certificate.

CERTIFICATE

This program offers pre-employment vocational training for the student desiring full-time work as a Smog Check Technician.

Course Numbers	Core Courses	Units
AUTO 263a-d	Clean Air Car Course	
	Minimum Core Course Units:	5
Course Numbers	Support Courses	Units
AUTO 112	Advanced Automotive Fuel Injection	3.0
AUTO 122	Advanced Engine Performance Diagnosis	
AUTO 201a-d	ASE Certification Preparation	1.5
AUTO 202	Automotive Fuel Injection	
	Minimum Support Course Units	0

Automotive Technology

Associate Degree

Certificate

X
X

A.S. Degree:	38 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units.
	(See page 54.)
Certificate:	33 units in courses listed below with a minimum of a "C" grade in all classes.
Transfer Students:	Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

This program offers pre-employment vocational training for the student desiring full-time work in automotive service and repair. All classes are designed to meet national certification standards for ASE testing. Instructors fully qualified both by shop experience as master technicians and by training as instructors conduct all technical classes in lecture, demonstration and laboratory sections. An advisory committee, composed of employers and working technicians, assists the college in maintaining a program geared to current needs of the trade.

The basic Automotive Technology Certificate Program is designed to be completed in one year. Since the courses offer skill-paths from the most basic automotive fundamentals and principles to advanced automotive theory and design, students should take the classes in a progressive order to properly complete the program.

The Associate of Science degree in Automotive Technology is a two-year course of study including lecture, demonstration and laboratory instruction, all emphasizing fundamental mechanical principles and applications.

ALL BEGINNING students must take AUTO 100 and 101. AUTO 100 and 101 may be taken with AUTO 102, 104, 105, 106, and 109. AUTO 107 cannot be taken until 106 is completed. AUTO 108 and 113 cannot be taken until 100, 101, and 102 are completed. AUTO 108 and 113 should be taken concurrently. A student may also complete a certificate in three (3) semesters by following a prescribed course of study.

Course Numbers	Core Courses	Units
First Semester:		
AUTO 100	Safety, Bench-Work and Service Procedures	
AUTO 101	Automotive Electrical and Electricity	
AUTO 102	Automotive Fuel and Cooling Systems	3
AUTO 104	Automotive Power Train Systems	
AUTO 105	Automotive Brakes and Braking Systems	
Second Semester:		
AUTO 106	Automotive Automatic Transmissions	4
AUTO 108	Automotive Engine Tune-Up	
AUTO 109	Automotive Air Conditioning and Accessories	
AUTO 113	Automotive Computerized Engine Control	
	Automotive Steering, Suspension and Alignment	3
AUTO 115	Automotive Steering, Suspension and Alignment	······································
AUTO 115	Automotive Steering, Suspension and Alignment Minimum Core Course Units:	
	Minimum Core Course Units:	33
Course Numbers	Minimum Core Course Units:	33
Course Numbers Select additional uni	Minimum Core Course Units: Support Courses its from this list for further study.	33 Units
Course Numbers Select additional uni ACCT 287	Minimum Core Course Units: Support Courses its from this list for further study. Accounting for Businesses	33 Units
Course Numbers Select additional uni ACCT 287 AUTO 103	Minimum Core Course Units: Support Courses its from this list for further study.	
Course Numbers Select additional uni ACCT 287 AUTO 103 AUTO 107	Minimum Core Course Units: Support Courses its from this list for further study. Accounting for Businesses Automotive Engines Advanced Automotive Transmissions	
Course Numbers Select additional uni ACCT 287 AUTO 103 AUTO 107 AUTO 112	Minimum Core Course Units: Support Courses its from this list for further study. Accounting for Businesses Automotive Engines Advanced Automotive Transmissions Advanced Automotive Electronic Fuel Injection	
Course Numbers Select additional uni ACCT 287 AUTO 103 AUTO 107 AUTO 112 AUTO 190a-d	Minimum Core Course Units: Support Courses its from this list for further study. Accounting for Businesses Automotive Engines Advanced Automotive Transmissions Advanced Automotive Electronic Fuel Injection Automotive Supervised Practice	
Course Numbers Select additional uni ACCT 287 AUTO 103 AUTO 107 AUTO 112 AUTO 190a-d AUTO 202	Minimum Core Course Units: Support Courses its from this list for further study. Accounting for Businesses Automotive Engines Advanced Automotive Transmissions Advanced Automotive Electronic Fuel Injection Automotive Supervised Practice Automotive Electronic Fuel Injection	
Course Numbers Select additional uni ACCT 287 AUTO 103 AUTO 107 AUTO 112 AUTO 190a-d AUTO 202 ITEC 201	Minimum Core Course Units: Support Courses its from this list for further study. Accounting for Businesses Automotive Engines Advanced Automotive Transmissions Advanced Automotive Electronic Fuel Injection Automotive Supervised Practice Automotive Electronic Fuel Injection Automotive Electronic Fuel Injection Technical Mathematics	
Course Numbers	Minimum Core Course Units: Support Courses its from this list for further study. Accounting for Businesses Automotive Engines Advanced Automotive Transmissions Advanced Automotive Electronic Fuel Injection Automotive Supervised Practice Automotive Electronic Fuel Injection	

Associate Degree Certificate

A.S. Degree: 25 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)
 Certificate: Certificate not available.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.S. DEGREE

The Biology major provides the student with some of the background necessary to pursue upper division study in a wide variety of biological fields, including premedicine, predentistry, prepharmacy, physiology, science teaching, research, marine biology, biotechnology and field ecology. The lower division Biology major requirements at most four-year institutions include a year each of organic chemistry, calculus and physics. Though these courses are not required for the COS Biology major, the student is strongly advised to complete most of these courses prior to transferring. A fully prepared biology major may complete the required biology courses and the support courses (organic chemistry, calculus and physics) in two years. However, most students choose to spread the course work over a longer period. There are few jobs available, other than as a laboratory assistant, for students who have completed only the courses required for the A.S. Degree level Biology major. Nearly all jobs in the biological science field require at least a B.A. or B.S. degree and often require a graduate degree.

Course Numbers	Core Courses	Units
BIOL 1& 2	Principles of Biology	10
	Minimum Core Course Units:	10
Course Numbers	Support Courses	Units

Select 15 additional units (one course minimum from each group) to complete the total units required

Group 1:		
MATH 21	Introduction to Statistics 4	
MATH 70	Precalculus	
MATH 75	Calculus With Analytic Geometry 5	
Group 2:		
BIOL 40	General Microbiology 4	
CHEM 1	General Chemistry	
CHEM 2	General Chemistry 5	
CHEM 12	Organic Chemistry 5	
CHEM 13	Organic Chemistry 5	
CHEM 20	General Chemistry 4	
CHEM 21	General Chemistry 4	
PHYS 5	Physics For Scientists and Engineers 1 4	
PHYS 6	Physics For Scientists and Engineers 2 4	
PHYS 7	Physics For Scientists and Engineers 3 4	
PHYS 20	General Physics 1 4	
PHYS 21	General Physics 2 4	
	Minimum Support Course Units: 15	
	Total Minimum Units Required:	

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Business, General

Associate Degree

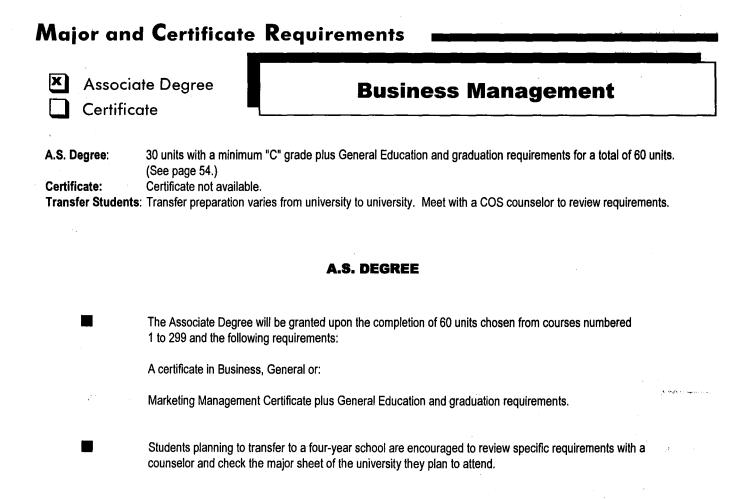
X Certificate X

A.S. Degree:	30 units with a minimum "C" grade plus General Education and graduation	requirements for a total of 60	units.
	(See page 54).	· · · · · ·	
Certificate:	30 units in courses listed below with a minimum of a "C" grade in all courses.	the state of the	$\Phi_{i} \in \mathcal{F}_{i}$

CERTIFICATE

Students completing the General Business certificate will have a background in business vocabulary, organizational structure, human relations, ethics, marketing, and other topics that will prepare them for entry into a pre-supervisory position. Supervision skills are very important to all organizations. Students seeking a General Business A. S. Degree may take the General Business Certificate requirement plus General Education and graduation requirements for an A.S. Degree in Business Management.

Course Numbers	Core Courses	Unit
BUS 18	Business Law	4
BUS 82	Introduction to Business	
BUS 184	Business Communication	
BUS 185	Ethics in Business and Industry	
BUS 188	Human Relations in Business	
BUS 230	Supervision Management for the	
	First-Line Supervisor	
COMP 130	Introduction to Personal Computers	
COMP 227	Presentation Software for Business	
COMP 228	Introduction to the World Wide Web	1
	Minimum Core Course Units:	25
.		a da anti-
	Support Courses nits from this list to complete the total units required.	Unit
ACCT 101	nits from this list to complete the total units required. Essentials of Accounting	
Select 5 additional u ACCT 101 BUS 174	nits from this list to complete the total units required. Essentials of Accounting Marketing Principles	
Select 5 additional u ACCT 101 BUS 174 BUS 231	nits from this list to complete the total units required. Essentials of Accounting Marketing Principles Starting a New Business	
Select 5 additional u ACCT 101 BUS 174 BUS 231 COMP 140	nits from this list to complete the total units required. Essentials of Accounting Marketing Principles Starting a New Business Windows and DOS	
Select 5 additional u ACCT 101 BUS 174 BUS 231 COMP 140 COMP 229	nits from this list to complete the total units required. Essentials of Accounting Marketing Principles Starting a New Business Windows and DOS Web Page Design and Development	
Select 5 additional u ACCT 101 BUS 174 BUS 231 COMP 140 COMP 229	nits from this list to complete the total units required. Essentials of Accounting Marketing Principles Starting a New Business Windows and DOS Web Page Design and Development Occupational Cooperative Education/Internship	
Select 5 additional u ACCT 101 BUS 174 BUS 231 COMP 140 COMP 229 WEXP 193	nits from this list to complete the total units required. Essentials of Accounting Marketing Principles Starting a New Business Windows and DOS Web Page Design and Development	
Select 5 additional u ACCT 101 BUS 174 BUS 231 COMP 140 COMP 229 WEXP 193	nits from this list to complete the total units required. Essentials of Accounting Marketing Principles Starting a New Business Windows and DOS Web Page Design and Development Occupational Cooperative Education/Internship - 1st semester Occupational Cooperative Education/Internship	
Select 5 additional u ACCT 101 BUS 174 BUS 231 COMP 140 COMP 229 WEXP 193	nits from this list to complete the total units required. Essentials of Accounting Marketing Principles Starting a New Business Windows and DOS Web Page Design and Development Occupational Cooperative Education/Internship - 1st semester	
Select 5 additional u ACCT 101 BUS 174 BUS 231 COMP 140 COMP 229 WEXP 193 WEXP 194	nits from this list to complete the total units required. Essentials of Accounting	
Select 5 additional u ACCT 101 BUS 174 BUS 231 COMP 140 COMP 229 WEXP 193 WEXP 194	nits from this list to complete the total units required. Essentials of Accounting	
Select 5 additional u ACCT 101 BUS 174 BUS 231 COMP 140 COMP 229 WEXP 193 WEXP 194 WEXP 195	nits from this list to complete the total units required. Essentials of Accounting Marketing Principles Starting a New Business Windows and DOS Web Page Design and Development Occupational Cooperative Education/Internship - 1st semester Occupational Cooperative Education/Internship - 2nd semester	
Select 5 additional u ACCT 101 BUS 174 BUS 231 COMP 140 COMP 229 WEXP 193 WEXP 194 WEXP 195	nits from this list to complete the total units required. Essentials of Accounting Marketing Principles Starting a New Business Windows and DOS Web Page Design and Development Occupational Cooperative Education/Internship - 1st semester Occupational Cooperative Education/Internship - 2nd semester Occupational Cooperative Education/Internship - 3rd semester	
Select 5 additional u	nits from this list to complete the total units required. Essentials of Accounting Marketing Principles Starting a New Business Windows and DOS Web Page Design and Development Occupational Cooperative Education/Internship - 1st semester Occupational Cooperative Education/Internship - 2nd semester Occupational Cooperative Education/Internship - 3rd semester Occupational Cooperative Education/Internship	



California Dairy Products Training Institute (Applied Skills)

Associate Degree Certificate



A.S. Degree: Certificate: Degree not available. 17 units in courses listed below with a minimum of a "C" grade in all courses.

CERTIFICATE

The California Dairy Products Training Institute (CDPTI) Certificate is designed for students who seek a certificate in the Dairy Processing Field. The coursework provides the fundamentals for job entry-level skills in the dairy processing field. The COS CDPTI Certificate is a very popular one with students and provides a framework for careers in dairy food processing leading to employment.

Course Numbers	Core Courses		Units
DPTI 213	Specialty Cheese Making		2
DPTI 214	Milk Pasteurization		
DPTI 215	Ice Cream Mixes and Manufacturing		2
DPTI 216	Principles of Whey Processing		
DPTI 217	Cultured Dairy Products Manufacturing and Handling		
DPTI 218	Marketing of Dairy Products		
DPTI 219	Applied Mathematics for Dairy Processing		
DPTI 220	Dairy Industry Internship		
		ч.	

Total Minimum Units Require	d:	17
		•••



Associate Degree Certificate

California Dairy Products Training Institute (Concepts)

A.S. Degree: Certificate:

Degree not available. 17 units in courses listed below with a minimum of a "C" grade in all courses.

CERTIFICATE

The California Dairy Products Training Institute (CDPTI) Certificate is designed for students who seek a certificate in the Dairy Processing field. The coursework provides the fundamentals for job entry-level skills in the dairy processing field. The COS CDPTI Certificate is a very popular one with students and provides a framework for careers in dairy food processing leading to employment.

Course Numbers	Core Courses	Unit
AGMT 108a-b	Introduction to Ag Computer Applications	3
DPTI 201	Fluid Stream	1
DPTI 202	GMP/Sanitation	
DPTI 203	Industrial Safety	1
DPTI 204	Sensory Evaluation & Grading	1
DPTI 205	HACCP/Food Safety	1
DPTI 206	Human Resources	
DPTI 207	Process Equipment & Engineering	
DPTI 208	Laboratory Skills	1
DPTI 209	Dairy Products and Marketing	
DPTI 210	Transportation	1
DPTI 211	Cheese & Whey Processing	
DPTI 212	Warehousing (Dry and Refrigerated)	
DPTI 220	Dairy Industry Internship	

Total Minimum Units Required:	17	
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Certified Nursing Assistant

Associate Degree

ate Degree	Ļ
Certificate	

A.S. Degree: Degree not available. Certificate: 6 units in courses listed below with a minimum of a "C" grade in all courses.

CERTIFICATE

The certificate offered by the Division of Nursing and Health Science is issued by the State of California through the Department of Health Services. The program offered is a single course which prepares the student to receive a certificate permitting practice as a Certified Nurses. Assistant. Jobs are plentiful and offered at many sites throughout the college district.

To qualify for the state certificate, the student must pass the course with a grade of "C" or better, and successfully pass a state examination to verify competence in the area. Fingerprint clearance by the Department of Justice is required. Specific information about the criminal record review involved may be obtained from the Division office.

Course Numbers	Core Courses	Units
NURS 251	Certified Nursing Assistant	6
	Total Minimum Units Required:	 6

Associate Degree Certificate	Chemistry	

 A.S. Degree:
 30 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

 Certificate:
 Certificate is not available.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.S. DEGREE

The Chemistry major provides the student with the background necessary to pursue upper division study in chemistry. Students should check for additional specific requirements at four-year institutions, particularly in the math and physics courses required.

Employment opportunities with an A.S. in chemistry may be limited to those employers that use chemical testing for quality control and/or need a laboratory technician.

Course Numbers	Core Courses	Units
CHEM 1	General Chemistry	5
CHEM 2	General Chemistry	5
CHEM 12	Organic Chemistry	5
CHEM 13	Organic Chemistry	
	Minimum Core Course Units:	20

Co	ourse Numbers	Support Courses	Units
Se	lect additional unit	ts from this list.	
	DL 1 DL 20	Principles of Biology Frontiers in Biology	5 4
	ATH 61 ATH 75	Calculus (3) Calculus (5)	3 or 5
	IYS 5 IYS 20	General Physics (4) General Physics	4
		Minimum Support Course Units:	10
		Total Minimum Units Required:	30

Child Development

Associate Degree

Units

X X Certificate

A.S. Degree:	Certificate courses with a minimum "C" grade plus General Education and graduation requirements for a total of 60
	units. (See page 54.)
Certificate:	24 units in courses listed below with a minimum of a "C" grade in all courses.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

Increased attention is being focused on the educational needs and potential of children, from birth through adolescence. Students trained in Child Development will have a direct impact on these children. As more parents enter the workforce and need early childhood programs, there is growing need for trained men and women who have a sound understanding of the social, emotional, physical, cognitive and creative needs of children. Employment opportunities include jobs in privately and publicly funded child care programs, family child care, and school ages programs. The Child Development Program provides the twelve units required by the State for a Child Development Permit, as well as degree, transfer, and certificate classes.

Course Numbers	Core Courses	Units
CHLD 39	Child Development	3
CHLD 42	Child, Family and Society	3
CHLD 134	Child Abuse	2
CHLD 140	Principles of ECE	3
CHLD 141	Practices in ECE	3
CHLD 148	Child Health and Safety	3
CHLD 158	Cultural Diversity in ECE	
	Minimum Core Course Units:	
CHLD 158		

Course Numbers Support Courses

Select 4 additional units from this list to complete the total units required.

CHLD 112	Children's Nutrition 3
CHLD 135	Music Experiences in ECE 1
CHLD 136	Children's Literature 3
CHLD 137	Science Experiences in ECE 1
CHLD 138	Science Experiences in School-Age Education 1
CHLD 142	Mentor Teacher 2
CHLD 143	Administration of ECE 3
CHLD 144	Advanced Administration of ECE 3
CHLD 145	Parenting 3
CHLD 146	Exceptional Child 3
CHLD 147	Infant/Toddler 3
CHLD 149	Creative Activities 2
CHLD 152	School Age Child Care 3
CHLD 153	Creative Movement for the Classroom 1
CHLD 154	Introduction to Early Intervention 3
CHLD 155	Child Guidance 3 Family Day Care Management 1
CHLD 156	Family Day Care Management 1
CHLD 157	Family Day Care Principles & Practices 1
CHLD 159	Child Development Permits: Professional Growth Training2
CHLD 160	Literacy/Language in Children 3
CHLD 163	After-School Programs 4
CHLD 199	Topics Courses 1
	Minimum Support Course Units: 4
	Total Minimum Units Required: 24



Associate Degree Certificate

Child Development, Early Childhood Education, Option II

Degree:Degree Not Available.Certificate:26 units in courses listed below with a minimum of a "C" grade in all courses.

CERTIFICATE

Current legislation has mandated that young children with special needs, who are high risk or disabled, be served starting at birth in natural environments. Teachers and practitioners who work in Early Childhood Education and Care Giving settings require training and experience with specific course work related to Early Intervention and Early Childhood Special Education. The Early Childhood Special Education Option provides the twelve units required by the State of California for private day care centers and the twenty-four units required by the State for a Child Development Permit, as well as degree, transfer and certificate classes.

Core Courses	Course Names	Units
CHLD 39	Child Development	
CHLD 42	Child, Family and Society	3
CHLD 140	Principles of ECE	
CHLD 146	Exceptional Child	3
CHLD 147	İnfant/Toddler	
CHLD 148	Child Health and Safety	
CHLD 154	Introduction to Early Intervention	
CHLD 158	Cultural Diversity in ECE	
CHLD 193	Cooperative Work Experience in Early	
	Intervention and Special Education	2***
	Total Minimum Units Required:	26

***One unit of Work Experience MUST BE in an Early Intervention setting working with infants and toddlers who are high risk or disabled, and must be supervised by an approved practitioner in the field. The other unit of Work Experience will be done at a center based Special Education classroom, supervised by a professional with appropriate California Special Education credentials.

CISCO CCNA Academy

Associate Degree Certificate



Degree: Certificate: Degree not available.

15 units in courses listed below with a minimum of a "C" grade in all courses.

CERTIFICATE

This program offers entry-level vocational training for students desiring employment as a network designer or technician, and preparation for students who wish to pursue advanced study in information technology. The course of study combines lecture and laboratory instruction, and includes the theory and analysis of LAN and WAN computer networks, network design, programming routers and switches, installing, configuring, upgrading, troubleshooting, and repairing computer networks with CISCO internet working devices. Career Opportunities include: network technician or engineer; help desk; network administrator; trainer; consultant; and network designer.

Course Numbers	Core Courses	Units
IT 130a-c	CISCO Academy 1	3
IT 131a-c	CISCO Academy 2	3
IT 132a-c	CISCO Academy 3	3
IT 133a-c	CISCO Academy 4	3
	Minimum Core Course Units:	12

Course Numbers	Support Courses	Units

The following courses may be taken as electives for this certificate, or may be substituted for core courses. Permission to substitute these or other courses must be obtained from the division. These electives are suggested to enhance one's career opportunities.

Select 3 additional units from this list to complete the total units required.

T 110	PC Troubleshooting and Repair 3
T 111a-c	Comp TIA A+ Exam Preparation 4
Т 120	Computer Networking Fundamentals 3
T 121a-c	Comp TIA Network + Exam Preparation 3
T 122a-c	Computer Network Administration 3
Т 123а-с	TCP/IP and IP Routing 3
T 140a-c	MCSE Windows 2000 Pro 2
T 141a-c	MCSE Windows 2000 Server 2
COMP 5	Computer Concepts 4
COMP 6	Basic Programming 3
COMP 132	Advanced DOS 2
COMP 133	Database Processing3
COMP 140	Windows and DOS 3
ELEC 111	Microprocessor/PCL Fundamentals 3
ELEC 112	Microprocessor Applications 4
	Minimum Support Course Units: 3
	Total Minimum Units Required: 15



Associate Degree Certificate

Degree:Degree not available.Certificate:17 units in courses listed below with a minimum of a "C" grade in all courses.

CERTIFICATE

This program offers entry-level vocational training for students desiring employment as a computer service technician, and preparation for students who wish to pursue advanced study in information technology. The course of study combines lecture and laboratory instruction, and includes the theory and analysis of computer operation, installing, configuring, upgrading, troubleshooting, and repairing microcomputer systems.

Course Numbers	Core Courses	Units
IT 110	PC Troubleshooting and Repair	3
IT 111a-c	Comp TIA A+ Exam Preparation	
COMP 5	Computer Concepts	
COMP 140	Windows and DOS	3
	Minimum Core Course Units:	14

Course Numbers	Support Courses	Units

The following courses may be taken as electives for this certificate, or may be substituted for core courses. Permission to substitute these or other courses must be obtained from the division. These electives are suggested to enhance one's career opportunities.

Select 3 additional units from this list to complete the total units required.

IT 133a-c C IT 140a-c M IT 141a-c M COMP 6 E COMP 132 A COMP 133 E ELEC 111 M ELEC 112 M	MCSE Windows 2000 Pro MCSE Windows 2000 Server Basic Programing Advanced DOS Database Processing Microprocessor/PCL Fundamentals Microprocessor Applications	-2 3 2 3 3 3 3
IT 133a-c C IT 140a-c M IT 141a-c M COMP 6 E COMP 132 A COMP 133 E ELEC 111 M	MCSE Windows 2000 Pro MCSE Windows 2000 Server Basic Programing Advanced DOS Database Processing Microprocessor/PCL Fundamentals	-2 3 2 3 3
IT 133a-c C IT 140a-c M IT 141a-c M COMP 6 E COMP 132 A COMP 133 E ELEC 111 M	MCSE Windows 2000 Pro MCSE Windows 2000 Server Basic Programing Advanced DOS Database Processing Microprocessor/PCL Fundamentals	-2 3 2 3 3
IT 133a-c C IT 140a-c M IT 141a-c M COMP 6 E COMP 132 A COMP 133 E	MCSE Windows 2000 Pro	2 3 2 3
IT 133a-c C IT 140a-c M IT 141a-c M COMP 6 E COMP 132 A	MCSE Windows 2000 Pro MCSE Windows 2000 Server Basic Programing Advanced DOS	- 2 3 2
IT 133a-c C IT 140a-c M IT 141a-c M COMP 6 E	MCSE Windows 2000 Pro MCSE Windows 2000 Server Basic Programing	2 3
IT 133a-c C IT 140a-c M IT 141a-c M	MCSE Windows 2000 Pro	2
IT 133a-c C IT 140a-c M	MCSE Windows 2000 Pro	_
		~
IT 132a-c C	CISCO Academy 4	3
	CISCO Academy 3	3
	CISCO Academy 2	
IT 130a-c C	CISCO Academy 1	3
IT 123a-c T	CP/IP and IP Routing	3
	Computer Network Administration	
	Comp TIA Network + Exam Preparation	
	Computer Networking Fundamentals	

Comp TIA Network +

Associate Degree Certificate



Degree: Certificate: Degree not available.

15 units in courses listed below with a minimum of a "C" grade in all courses.

CERTIFICATE

This program offers entry-level vocational training for students desiring employment as a network designer or technician, and preparation for students who wish to pursue advanced study in information technology. The course of study combines lecture and laboratory instruction, and includes the theory and analysis of LAN and WAN computer networks, network design, programming routers and switches, installing, configuring upgrading, troubleshooting, and repairing computer networks with CISCO internet working devices. Career Opportunities include: network technician or engineer; help desk; network administrator; trainer; consultant; and network designer.

Course Numbers	Core Courses	Units
IT 120	Computer Networking Fundamentals	3
IT 121a-c	Comp TIA Network + Exam Preparation	
IT 122a-c	Computer Network Administration	
IT 123a-c	TCP/IP and IP Routing	

Minimum Core Course Units: ----- 12

Course Numbers Support Courses

Select 3 additional units from this list to complete the total units required.

COMP 5	Computer Concepts4
COMP 6	Basic Programing 3
COMP 132	Advanced DOS 2
COMP 133	Database Processing3
COMP 140	Windows and DOS 3
ELEC 111	Microprocessor/PCL Fundamentals 3
ELEC 112	Microprocessor Applications 3
IT 110	PC Troubleshooting and Repair 3
IT 111a-c	Comp TIA A+ Exam Preparation 4
IT 130a-c	CISCO Academy 1 3
IT 131a-c	CISCO Academy 2 3
IT 132a-c	CISCO Academy 3 3
IT 133a-c	CISCO Academy 4 3
IT 140a-c	MCSE Windows 2000 Pro 2
IT 141a-c	MCSE Windows 2000 Server 2
	Minimum Support Course Units: 3
	Total Minimum Units Required: 15

Units



Associate Degree Certificate

Degree:Degree not available.Certificate:33 units in courses listed below with a minimum of a "C" grade in all courses.

CERTIFICATE

Commercial Art is a vital component of stimulating messages for advertising, education and politics. There is a demand for commercial artists. Today's commercial artist not only creates with brush and pen, but also with video and computer graphics. We see these images all around us in newspapers, magazines, television and motion pictures and other areas where they are a vital part of commerce. Students in this program learn skills in illustration, lettering, layout and graphics.

Course Numbers	Core Courses	Units
ART 1	Art Appreciation	3
ART 6	Color and Design (Basic)	3
ART 8	Drawing Fundamentals	3
ART 15	Printmaking	3
ART 23a-d	Macintosh Basics for Artists and Beginners	3
PHOT 1	Beginning Photography	3
DRFT 160	Graphic Design	
DRFT 151	Independent Study (Computer Illustration) (2)	
DRFT 251	Independent Study (Computer Illustration)	2
	Minimum Core Course Units:	24

Course Numbers	Support Courses
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Units

Select 9 additional units from this list to complete the total units required.

ART 9	Drawing Composition 3
ART 10a-d	Figure Drawing (3) 3-12
ART 12a-d	Watercolor Painting (3) 3-12
ART 13a-d	Studio Painting (3) 3-12
ART 16	Advanced Printmaking 2
ART 25a-d	Digital Imaging for Artists (3) 3-12
ART 121a-c	Serigraphy/Screen Printing (3) 3-9
ART 126a-d	Fractal Design Painter for Artists (3) 3-12
ART 174a-b	Fashion Illustration (3) 3-6
ITEC 161a-d	Desktop Video Digital Production (4) 4-16
	Minimum Support Course Units:9
	Total Minimum Units Required: 33

Computer Applications

Associate Degree Certificate



Degree: Certificate: Degree not available. 30 units in courses listed below with a minimum of a "C" grade in all courses.

CERTIFICATE

Students with a Computer Applications certificate or degree will be prepared for entry-level positions requiring computer application skills.

Course Numbers	Core Courses	Units
BUS 82	Introduction to Business (3)	
[•] BUS 184	Business Communications	
COMP 5	Introduction to Computer Information Systems (4)	
COMP 130	Introduction to Personal Computers	
COMP 133	Database Processing	
COMP 136	Word Processing Using WordPerfect (3)	
COMP 221a-d	Beginning Word (1.5) and	
COMP 222a-d	Advanced Word (1.5)	
COMP 138	Spreadsheet Design for Business (3)	
COMP 223a-d	Beginning Excel (1.5) and	
COMP 224a-d	Advanced Excel (1.5)	
COMP 140	Advanced Excel (1.5) Windows and DOS	
	Minimum Core Course Units:	19
Course Numbers	Support Courses	Unit

ART 23	Macintosh Basics for Artists and Designers	3
BUS 174	Marketing Principles	3
BUS 188	Human Relations in Business	3
COMP 6	BASIC Programming	3
COMP 7	COBOL Programming	
COMP 135	Desktop Publishing for Business	4
COMP 210	Computer Accounting	3
COMP 227a-d	Presentation Software for Business	
COMP 228	Introduction to the World Wide Web	1
COMP 229	Web Page Design and Development	3
DRFT 114	Introduction to AutoCAD	4
DRFT 170a-d	Computer Animation and Rendering	4
ELEC 113	PC Troubleshooting/Repair	4
ITEC 170	Computer Skills for Women in Building Design	
	Computer Skills for Women in Building Design and Construction	1
	Minimum Support Course Units:	11
	Total Minimum Units Required:	30



A.S. Degree: Certificate courses with a minimum "C" grade plus Gneral Education and graduation requirements for a total of 60 unts. (See page 54.)

Certificate 30 units in courses listed below with a minimum of a "C" grade in all courses.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

Students with a Computer and Information Systems certificate or degree will be prepared for entry-level computer positions such as data entry, technical support, and office positions involving computer skills.

	Course Numbers	Core Courses	Units
	BUS 82	Introduction to Business	
	COMP 5	Introduction to Computer Information Systems (4)	
or	COMP 130	Introduction to Personal Computers	4
	COMP 6	BASIC Programming	
	COMP 7	COBOL Programming	
	COMP 133	Database Processing	
	COMP 138	Spreadsheet Design for Business (3)	
or	COMP 223a-d	Beginning Excel (1.5) and	
	COMP 224a-d	Advanced Excel (1.5)	
	COMP 140	Windows and DOS	
	ELEC 113	PC Troubleshooting/Repair	4
		Minimum Core Course Units:	27

Course Numbers Support Courses

Units

Select 3 additional units from this list to complete the total units required.

	ACCT 101	Essentials of Accounting (5)	
or	ACCT 1	Principles of Accounting	4 or 5
	BUS 184	Principles of Accounting Business Communications	3
	BUS 185	Ethics in Business and Industry	3
	BUS 188	Human Relations in Business	3
	COMP 132	Advanced DOS	3
	COMP 135	Desktop Publishing for Business	4
	COMP 136	Word Processing Using WordPerfect	
	COMP 210	Computer Accounting	3
	COMP 227a-d	Presentation Software for Business	1.5
	COMP 228	Introduction to the World Wide Web	1
	COMP 229	Web Page Design & Development	3
	ELEC 141	Computer Networking Fundamentals	
		Minimum Support Course Units:	3
		Total Minimum Units Required:	30

Computer Web Technician

Associate Degree Certificate

Units

Degree: Certificate: Degree not available.

The 7 core units listed below with a minimum of a "C" grade, plus the Computer Applications Certificate or the Computer and Information Systems Certificate for a total of 37 units.

CERTIFICATE

Students with a Computer Web Technician certificate will be prepared for a variety of entry-level computer positions so important in today's business world. This course of study includes a foundation of computer applications, including courses that specialize in designing, creating, and maintaining Web sites and intranets.

Course Numbers	Core Courses	Units
COMP 229	Web Page Design and Development	
DRFT 160	Graphic Design	
	Minimum Core Course Units:	

Course Numbers Support Courses

Select additional units from this list for further study.

ART 23a-d	Macintosh Basics for Artists and Designers	3
BUS 174	Marketing Principles	3
BUS 184	Business Communications (3)	3
BUS 185	Ethics in Business and Industry	
BUS 231	Starting a New Business	
ELECT 113	PC Troubleshooting/Repair	
ELECT 141	Computer Networking Fundamentals	
ENGL 1	College Reading and Composition (Applied Writing Theorem)	
ENGL 251	Fundamentals of College Writing	
WRK EXP 193	Work Experience: Web Development Internship	
	Minimum Support Course Units:	0
	Computer Applications Certificate	
	or Computer and Information Systems certificate	30
	Total Minimum Units Required:	37



Associate Degree Certificate

A.S. Degree: Certificate courses with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

Certificate: 30 units in courses listed below with a minimum of a "C" grade in all courses.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

The Computerized Office Procedures Program teaches a wide variety of skills such as compiling reports, organizing data, preparing statements, writing letters, and working with computers. Research shows that a high percentage of all new jobs are in the general office field. With the service sector of our economy growing rapidly, there is a large demand for persons trained in computerized office procedures. Students should be able to find entry-level employment in all phases of business including jobs as clerk typists, receptionists, and word processing operators.

	Core Courses	Units
BUS 271	College Keyboarding, Level 2	
BUS 184	Business Communications	
BUS 188	Human Relations in Business	
BUS 268	Electronic Calculating	
BUS 293	Business English	
BUS 295	Business Math (3)	
or BUS 119	Quantitative Methods (3)	
or BUS 20	Business Statistics	
COMP 5	Introduction to Computer Information Systems (4)	
or COMP 130	Introduction to Personal Computers	4
COMP 136	Word Processing Using WordPerfect (3)	
or COMP 221a-d	Beginning Word (1.5) and	
COMP 222a-d	Advanced Word (1.5)	
COMP 140	Windows and DOS	
COMP 227	Presentation Software for Business	
COMP 228	Introduction to the World Wide Web	
	Minimum Core Course Units:	
	Minimum Core Course Units:	
Course Numbers	Minimum Core Course Units:	30 Units
		Units
Course Numbers	Support Courses	Units
Course Numbers BUS 82	Support Courses Introduction to Business Ethics in Business and Industry	Units
Course Numbers BUS 82 BUS 185	Support Courses Introduction to Business	Units
Course Numbers BUS 82 BUS 185 BUS 260	Support Courses Introduction to Business Ethics in Business and Industry Career Dressing Database Processing	Units
Course Numbers BUS 82 BUS 185 BUS 260 COMP 133	Support Courses Introduction to Business Ethics in Business and Industry Career Dressing Database Processing Desktop Publishing for Business	Units
Course Numbers BUS 82 BUS 185 BUS 260 COMP 133 COMP 135 COMP 138	Support Courses Introduction to Business Ethics in Business and Industry Career Dressing Database Processing Desktop Publishing for Business Spreadsheet Design for Business	Units
Course Numbers BUS 82 BUS 185 BUS 260 COMP 133 COMP 135	Support Courses Introduction to Business Ethics in Business and Industry Career Dressing Database Processing Desktop Publishing for Business	Units
Course Numbers BUS 82 BUS 185 BUS 260 COMP 133 COMP 135 COMP 138 COMP 220	Support Courses Introduction to Business Ethics in Business and Industry Career Dressing Database Processing Desktop Publishing for Business Spreadsheet Design for Business Essential Computer Concepts	Units

Construction Inspection

Associate Degree 본

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A.S. Degree:	Certificate courses with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units.
	(See page 54.)
Certificate:	21 units in courses listed below with a minimum of a "C" grade in all courses.
Transfer Student	s: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

The Construction Inspection certificate is offered to students majoring in Building Construction who desire employment in the field of building construction and supervision. The classes can be taken in any order.

The following courses may be taken in any order the student wishes.

Course Numbers	Core Courses	Units
CT 170	Building Inspection and Supervision	3
	Concrete Construction	
CT 171	Concrete Construction Building Inspection and Supervision	3
	Wood & Metal Construction	A
CT 172	Building Codes	3
CT 173	Building Codes Building Inspection and Supervision	3
	Electrical	5
CT 174	Building Inspection and Supervision	3
	Mechanical	
CT 175	Building Inspection and Supervision	3
	Plumbing	a de la serie de
CT 176	Building Inspection and Supervision	3
	Architecture	
	Total Minimum Units Required:	21



Construction Technology

A.S. Degree: 34 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

Certificate: 34 units in courses listed below with a minimum of a "C" grade in all courses.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

The Construction Technology Program is designed to provide students with the skills and education necessary for employment in one of the many fields related to the construction industry. Some of the job opportunities are: house framer, finisher, house painter, house designer, building materials sales person or manager. Students in this program will enroll in four nine-week (approximately) classes each worth seven units and six units of support classes. A student may enroll at any of the nine week starting points. The program consists of classroom instruction which deals with nomenclature, building materials, fasteners, building layout, roof framing, stair construction, rough and finish carpentry and cabinet design, construction and installation. The students will participate in the construction of an actual custom home which will provide them with real-world experience in the building trades/construction industry.

Course Numbers	Core Courses	Units
CT 121	Residential Construction I	
CT 122	Residential Construction II	7
CT 123	Residential Construction III	7
CT 124	Residential Construction IV	7
	Minimum Core Course Units:	28

Select 6 additional units from this list to complete the total units required.

	Total Minimum Units Required:	34
	Minimum Support Course Units:	
DRFT 131	Advanced Computer Assisted Cabinet Design	4
DRFT 130	Introduction to Computer Assisted Cabinet Design	
DRFT 114	Introduction to AutoCAD	
CT 270a-b	Residential Wiring	
CT 205a-d	Plumbing	
CT 190a-d	Supervised Practice	1-3
CT 162a-b	Basic Cabinet Making	
CT 138	Contractors License Law	
CT 135	Blueprint Reading/Residential Construction	
CT 134	Residential Construction Estimating	
CT 130	Managing Residential Construction	

Units

Consumer/Family Studies

Associate Degree

are	Degree	9
Ce	rtificate	

A.S. Degree: Certificate courses with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)
 Certificate: Certificate not available.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.S. DEGREE

This program gives a general overview of the various Consumer/Family Studies areas. It enables men and women to develop skills that improve the quality of life and help them prepare to function effectively in changing family, community and work environments. Designed to give practical training in every day living, the program is also a starting point for those who want to become home economists. Students who continue studies at a four-year college can become home economists with a wide-ranging field with career opportunities in teaching, dietetics, fashion merchandising and design, consumer affairs, family counseling and adult and child services.

Core Courses	Course Names	Units
CFS 80	Life-Span Development (3)	
or CHLD 39	Child Development (3)	3
CFS 186	Personal Management/Consumer Economics	3
FASH 160a-b	Clothing Construction (3)	
o r FASH 161a-b	Tailoring (3)	3
CHLD 42	Child, Family & Society-DS2 (3)	e e site
or CHLD 158	Cultural Diversity in ECE	3
INTD 121	Interior Design Fundamentals (3)	
or CFS 6	Color and Design	3
NUTR 101	Basic Foods	
NUTR 18	Nutrition	
	Total Minimum Units Required:	



Associate Degree Certificate

A.S.Degree: Certificate:

Certificate units with a minimum grade of a "C" plus General Education and graduation requirements. (See page 154) 24-38 units with a minimum grade of a "C" in all courses.

CERTIFICATE

Cosmetologists (beauticians) provide beauty services to their customers. A majority of time is spent shampooing, tinting, bleaching, cutting and styling hair. Cosmetologists may also give manicures and scalp and facial treatments, provide makeup analysis and shape eyebrows. Students receive much practical experience and also learn the theory of cosmetology, anatomy, physiology and chemical composition of skin and nails, and disorders and diseases of the skin, scalp and hair.

After passing the state licensing exam, cosmetologists have career opportunities as beauticians, beauty shop owners and specialty fields such as electrologists and manicurists. The certificate requires 1600 hours to complete.

Course Numbers	Core Courses	Units
COSM 261	Cosmetology	6-12
COSM 262	Cosmetology	
COSM 263a-b (a)	Cosmetology	
COSM 263a-b (b)	Cosmetology	
	Total Minimum Units Required:	

Students must complete a minimum of 252 hours per semester in order to receive six units of credit. Additional hours attended will result in additional units based upon 42 hours equals one (1) unit. Student may attend a maximum of four semesters which would be COSM 261, 262, 263a, and 263b. The maximum number of hours a student may attend is 1,600 or four semesters, whichever is less.

> Minimum 252 hours = 6 units credit Minimum 294 hours = 7 units credit Minimum 336 hours = 8 units credit Minimum 378 hours = 9 units credit Minimum 420 hours = 10 units credit Minimum 462 hours = 11 units credit Minimum 504 hours = 12 units credit

Dairy	Science
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Associate Degre

ate Degree	x
Certificate	X

Certificate courses with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. A.S. Degree: (See page 54.)

Certificate: 30 units in courses listed below with a minimum of a "C" grade in all courses.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

The Dairy Science Program is designed for students who seek a certificate, degree or transfer program in the Dairy Science field. The coursework provides the fundamentals for job entry-level skills in dairy management as well as providing degree applicable units for the Associate in Science degree with a major in Dairy Science. Many Dairy Science courses transfer to four-year universities and are required lower division classes. The COS Dairy Science Certificate/Degree major provides a framework for students interested in the dairy industry.

Course Numbers	Core Courses	Units
AGMT 108a-b	Introduction to Agriculture Computer Applications (1st semester)	3
DSCI 101	Elements of Dairy	
DSCI 102	Milk Production	
DSCI 103	Commercial Dairy Management	
DSCI 104	Breeding & Selection	3
DSCI 108	Dairy Nutrition	
DSCI 200	Dairy Mechanics	2
WEXP 193	Occupational Cooperative Education/Internship (1st semester)	3
	Minimum Core Course Units:	23

Course Numbers Support Courses

Units

Select 7 additional units from this list to complete the total units required.

AG 201	Agricultural Mathematics	
AG 200	Orientation to Agriculture	
AG	Other Approved Agriculture Classes With Approval of Department	
AGMT 108a-b	Introduction to Agriculture Computer Applications (2nd semester)	3
DSCI 105a-d	Dairy Judging (1-4)	4
DSCI 106a	Dairy Products Technology	3
DSCI 271	The Dairy Industry	3
PLSI 104	Forage Crops	3
	Minimum Support Course Units:	7
	Total Minimum Units Required:	30



Associate Degree Certificate

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A.A. Degree: 26 units with a minimum "C" grade in all required courses, plus General Education and graduation requirements for a total of 60 units. (See page 54.) Certificate: Certificate not available.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.A. DEGREE

Dance comes from the inner self and the need to communicate. Before there was written work, there was dance. This course of study provides the person who loves dance with the training to go on to a four-year institution. The Dance major will find jobs in private studios, recreation programs, YMCA's and schools, directing dance programs, drill teams, and cheerleading squads. They may find employment at entertainment parks such as Disneyland, Universal Studios, or Six Flags, or with semi-professional or professional theater companies or dance companies throughout the United States. Some dancers specialize in Dance therapy, offering a holistic approach to healing.

Course Numbers	Core Courses	Units
ART 1	Art Appreciation	3
DANC 6a-d	Art Appreciation Choreography	
DANC 8a-d	Beginning Ballet	
DANC 10a-d	Modern Dance	
DANC 12a-b	Beginning Jazz	
DANC 13c-d	Advanced Jazz	
DANC 16a-d	Beginning Tap	
DRAM 2	Fundamentals of Acting	
DRAM 12a-b	Costuming	
DRAM 17a-b	Make up	
HW 1	Personal Hygiene	
MUS 10	Appreciation of Music History	
	Minimum Core Course Units:	

Course Numbers	Support Courses	Units
Select 2 additiona	I units from this list to complete the total units required	
DANC 41a-d	Musical Theater Performance	
HW 3	Standard First Aid	
HW 40	Care & Prevention of Athletic Injuries	
HW 60	Concepts of Health & Fitness	
PE 36	Introduction to Physical Education	
PE 188	Peak Performance for Athletes	
	Minimum Support Course Units:	2

Total Minimum Units Required: 26

Drafting Technology

Associate Degree 🗵

Certificate

x	

A.S. Degree:40 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units.Certificate:30 units in courses listed below with a minimum of a "C" grade in all courses. (See page 54)Transfer Students:Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

Drafting is a major component of design for any product that is to be manufactured or constructed. The graphic documents necessary to convey sizes, shapes, materials, locations, assembly methods, standards, and processes are mandatory in today's global industrial market. The computer has allowed drafters speed and accuracy in production as well as remote communication and access to document information. Computer assisted drafting now dominates the field. Students with very strong computer knowledge and skills will find many career opportunities.

Course Numbers	Core Courses U	Jnits
First Semester		
COMP 140	Windows and DOS	3
DRFT 100	Applied Drawing	3
DRFT 114	Introduction to AutoCAD	. 4
Second Semester		
DRFT 115	Advanced AutoCAD	4
<u>Third Semester</u>		
DRFT 116	Advanced AutoCAD Applications	8
	Minimum Core Course Units:	22
Course Numbers	Support Courses	Units
Select 8 (certificate) (or 18 (A.S. Degree) additional units from this list to complete the total units required.	_
ARCH 20	Introduction to Graphics and Perspective	
ARCH 21	Basic Graphics	
ARCH 120	Freehand Drawing	
ARCH 131	Light Wood-Frame Construction	
ARCH 161a-d	Computer Assisted Architectural Detailing	
COMP 229	Web Page Design and Development	
DRFT 130	Introduction to Computer Assisted Cabinet Design	
DRFT 131	Advanced Computer Assisted Cabinet Design	
DRFT 151	Independent Study	
DRFT 160	Graphic Design	
DRFT 161a-d	Graphic Design Application	
DRFT 170a-d	Computer Animation	
DRFT 190a-d	Supervised Practice	
DRFT 199	Special Topics	
ITEC 161a-d	Desktop Video Digital Production	
ITEC 185	Ethics in Business and Industry	
WEXP 191-196	Work Experience	
	Minimum Support Course Units for Certificate:	8
	Total Maximum Units Required for a Certificate:	
	Minimum Support Course Units for Degree:	
	Total Maximum Units Required for a Degree:	40



Associate Degree Certificate

 A.A. Degree:
 31 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

 Certificate:
 Certificate not available.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.A. DEGREE

The Dramatic Arts program is a two-year course of study designed to prepare students to enter all fields of Theatre; i.e., set design and construction, lighting, costuming, make-up and acting. Emphasis is placed upon the practical application of classroom learning into fully realized stage productions. The Dramatic Arts program has two areas of emphasis, each with its own requirements: Acting and Technical.

Course Numbers	Core Courses	Units
DRAM 1	Introduction to the Theatre	
DRAM 2	Fundamentals of Acting I	
DRAM 3	Fundamentals of Acting 2	
DRAM 4	Intermediate Acting 1	
DRAM 5	Intermediate Acting 2	
DRAM 6	Shakespeare	
DRAM 19a-b	Theatre Workshop I (2 semesters/2 units each) (4)	
DRAM 21	Theatre Arts Workshop II (2)	2 or
	Minimum Core Course Units:	

Units

Select 8 or 10 additional units from this list to complete the total units required.

DRAM 12a-b	Costumina	3
DRAM 13 a-b	Costuming Beginning Stagecraft Beginning Stage Lighting	3
DRAM 15 a-b	Beginning Stage Lighting	3
DRAM 17 a-b	Makeup	3
DRAM 7	Acting Shakespeare	3
DRAM 8	Makeup Acting Shakespeare History of Theater and Drama	3
DRAM 19a-d	Theater Workshop 1 (2)	
or DRAM 21 a-d	Theater Workshop 2	2
DRAM 20	Music Theatre Performance	2
DRAM 22a-d	One Act Play Production	2
DRAM 30	Stage Movement/Stage Combat	3
DRAM 40	Musical Theatre	3
DRAM 202 a-d	Acting for the Camera	1
	Minimum Support Course Units:	8-10
	Total Minimum Units Required:	31

Dramatic Arts: Technical

Associate Degree

ate Degree	
Certificate	

31 units below with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. A.A. Degree: (See page 54.) Certificate: Certificate not available.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.A. DEGREE

The Dramatic Arts program is a two-year course of study designed to prepare students to enter all fields of Theatre; i.e., set design and construction, lighting, costuming, makeup and acting. Emphasis is placed upon the practical application of classroom learning into fully realized stage productions. The Dramatic Arts Program has two areas of emphasis, each with its own requirements: Acting and Technical.

Course Numbers	Core Courses	Units
DRAM 1	Introduction to the Theatre	
DRAM 2	Fundamentals of Acting I	
DRAM 12a-b	Costuming (1 semester)	
DRAM 13a-b	Beginning Stagecraft (1 semester)	
DRAM 15a-b	Beginning Stage Lighting (1 semester)	
DRAM 17a-b	Makeup (1 semester)	
DRAM 19a-b	Theatre Workshop I (2 semesters/2 units each)(4)	
DRAM 22a-d	One Act Play Production (2) and	
DRAM 21	Theatre Arts Workshop II (2)	4
	Minimum Core Course Units:	

Course Numbers Support Courses

Units

Select 9 additional units from this list to complete the total units required.

DRAM 6 DRAM 8 DRAM 12a-b DRAM 13a-b DRAM 14a-b DRAM 15a-b DRAM 16a-b DRAM 16a-b DRAM 17a-b DRAM 18a-b DRAM 20	Shakespeare History of theater and Drama Costuming (2 nd semester) Stagecraft (2 nd semester) Intermediate Stagecraft (both semesters) Beginning Stage Lighting (2 nd semester) Intermediate Stage Lighting (both semesters) Makeup (2 semester) Advanced Theatre Crafts Music Theatre Performance	3 6 3 6
DRAM 20 DRAM 22 c d	Music Theatre Performance	2
DRAM 22 a-d	One Act Play Production Minimum Support Course Units: Total Minimum Units Required:	. 9



Associate Degree Certificate

A.S. Degree:	35 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units.
	(See page 54.)
Certificate:	35 units in courses listed below with a minimum of a "C" grade in all courses.
Transfer Students	: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

This program offers pre-employment vocational training for students desiring employment in the electronics industry, and preparation for students who wish to pursue advanced study at a four-year college. The two-year course of study combining lecture and laboratory instruction, and includes theory and analysis of basic electronics and electronic circuits. Use of test equipment and troubleshooting techniques are emphasized in all classes. Employment opportunities are available in communications, consumer products servicing, microprocessor-based systems, and manufacturing.

Course Numbers	Core Courses	Units
ELEC 101	Direct Current Circuits	
ELEC 102	Alternating Current Circuits	
ELEC 103	Semiconductor Circuits	
ELEC 104	Communication Circuits	
ELEC 110	Digital Circuits	
ELEC 111	Microprocessors/PLC Fundamentals	
ELEC 112	Microprocessor Applications	
ELEC 114	Operational Amplifier Circuits	
	Minimum Core Course Units:	

Course Numbers Support Courses

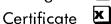
Units

The following courses may be taken as electives for this certificate, or may be substituted for core courses. Permission to substitute these or other courses must be obtained from the division. These electives are suggested to enhance one's career opportunities. Select two additional units from this list to complete the total units required.

ELEC 105	Industrial Fabrication and Design	3
IT 110	PC Troubleshooting and Repair	3
IT 111a-c	Comp TIA A+ Exam Preparation	4
IT 120	Computer Networking Fundamentals	
IT 121a-c	Comp TIA Network + Exam Preparation	3
IT 122a-c	Computer Network Administration	3
IT 123a-c	TCP/IP and IP Routing	3
IT 130a-c	CISCO Academy 1	3
IT 131a-c	CISCO Academy 2	3
IT 132a-c	CISCO Academy 3	3
IT 133a-c	CISCO Academy 4	3
IT 140a-c	MCSE Windows 2000 Pro	2
IT 141a-c	MCSE Windows 2000 Server	
ITEC 270a-b	Residential Wiring	3
ITEC 272	Electrical Wiring, Industrial	3
ITEC 273	Electrical Motor Controls	2
	Total Support Course Units Required for Associate of Science Degree	2

Emergency Medical Technician B

Associate Degree



A.S. Degree:Degree is not available.Certificate:4 units in courses listed below with a minimum of a "C" grade in all courses.

CERTIFICATE

The certificate offered by the Division of Nursing and Health Science is issued by the Tulare County Department of Emergency Services. The program offered is a single course which prepares the student to receive a certificate permitting practice as an Emergency Medical Technician. Jobs are plentiful and offered at many sites throughout the college district.

To qualify for the certificate, the student must pass the course with a grade of "C" or better, and will be required to successfully pass an examination to verify competence in the area.

The Emergency Medical Technician B course prepares the student for certification for entry level positions with ambulance companies and in hospital emergency rooms. Opportunities for full or part time employment in emergency medical services are available to qualified applicants.

Those who complete the EMT B program (formerly EMT 1) are eligible for Tulare County Certification and employment by government and private emergency health care services in the area. They are also eligible to enter Emergency Medical Technician II training, which provides opportunity for career advancement, higher pay, and greater responsibility in providing emergency health care. Some EMTs enter nursing and other advanced health care fields after they have learned about career possibilities through their work as an EMT. Call the Nursing and Health Science Division Office for more information (730-3732).

Course Numbers	Core Courses	Units
EMT 251B	Emergency Medical Technician B	4
	Total Minimum Units Required:	4

X

Associate Degree Certificate

 A.S. Degree:
 29 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

 Certificate:
 Certificate not available.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.S. DEGREE

Students receiving the associate degree in engineering usually transfer to four year institutions to complete their bachelors degree in engineering. Employment opportunities will depend on the area of specialization and the economic state of the various industries hiring those specializations. For this reason students are urged to gain as broad an exposure to the field as possible.

Course Numbers	Core Courses	Units
ENGR 1	Graphics	
ENGR 2	Statics	
ENGR 3	Materials Sciences	
PHYS 5	Physics for Scientists and Engineers 1	
PHYS 6	Physics for Scientists and Engineers 2	
PHYS 7	Physics for Scientists and Engineers 3	
MATH 76	Calculus 2	
	Minimum Core Course Units:	29

Course Numbers	Support Courses	Units
Student are strong	gly encouraged to complete the following courses as well.	
MATH 77	Calculus 3	
MATH 80	Linear Algebra	
MATH 81	Differential Equations	5
	Minimum Support Course Units:	0
	Total Minimum Units Required:	29

English

Associate Degree

Certificate

×	

A.A Degree:	18 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units.
	(See page 54.)
Certificate:	Certificate is not available.
Transfer Students	: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.A. DEGREE

English with a Literature Emphasis serves the needs of students who plan to major in English at the four-year level. Four-year institutions presume a broad exposure to literature in their upper division students, just the kind of background our general literature courses offer.

Students may also find this major helpful if they plan to work in education, publishing and editing, journalism, humanities-based careers, pre law, theater or the entertainment fields. Students completing this major will find their lives enriched as often motifs and themes of great literature undergird the philosophies of and provide insight into other disciplines.

Course Numbers	Core Courses	Units
ENGL 2 ENGL 4	Logic and Composition Introduction to Literature	
	Minimum Core Course Units:	

Course Numbers	Support Courses		Units

Select 12 units from this list to complete the total units required.

ENGL 10	Chicano Literature	
ENGL 14a-b	Creative Writing	3-6
ENGL 15	Creative Writing British Literature I	3
ENGL 16	British Literature II	3
ENGL 17	Native American Literature	
ENGL 18	Black Literature	3
ENGL 19	Women's Literature	
ENGL 25	Asian-American Literature	
ENGL 30	American Literature I	3
ENGL 31	American Literature II	
ENGL 32	The Bible as Literature	
ENGL 44	World Literature 1	3
ENGL 45	World Literature II	3
ENGL 46	Shakespeare	3
	Minimum Support Course Units:	12
	Total Minimum Units Required:	18
NOTE:	A sequence of history courses may be required for the Literature major at a U Please check with your counselor for details.	C



Associate Degree Certificate

A.S. Degree: Certificate courses with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

Certificate: 29 units in courses listed below with a minimum of a "C" grade in all courses.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

This educational program is designed to prepare a person who possesses appropriate aptitudes for entry into employment or advanced study in the several areas of air conditioning. Students should have a broad understanding of the principles of science and mathematics. It is expected that the student will develop job entry knowledge and skills necessary for the maintenance and repair of air conditioning, refrigeration, cooling and heating equipment. From this base, a person should also be able to do well in related occupations. A student may complete a certificate in one year by following a prescribed course of study.

Course Numbers	Core Courses	Units
First Semester		
ECT 180	Electricity and Controls for HVAC	4
ECT 181	Basic Air Conditioning	
Second Semester	·	
ECT 182	Advanced Air Conditioning/Refrigeration Commercial/Domestic	12
ITEC 142	Air Conditioning Sheet Metal	3
	Minimum Core Course Units:	29

Course Numbers Support Courses

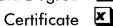
Units

The following courses may be substituted for required courses. Permission to substitute must be obtained from the division. These electives are suggested to enhance one's career opportunities.

ACCT 287	Accounting for Service Businesses	3
CT 270a-b	Residential Wiring	3
DRFT 200	Beginning Mechanical Drawing	2
ECT 190a-d	Supervised Practice	1-3
ECT 200	Introduction to Industrial Ammonia Refrigeration	
ECT 201	Advanced Ammonia Refrigeration	
ECT 260	Basic Refrigeration	
ECT 261	Introduction to Air Conditioning & Refrigeration-Commercial/Domestic	2
ECT 262	Heating Systems and Controls	2
ECT 263	Commercial Refrigeration Systems & Controls	
ITEC 143	Advanced Air Conditioning Duct Sheet Metal	
ITEC 201	Technical Mathematics	2
ITEC 271	Electrical Wiring (Commercial)	3
ITEC 273	Electric Motor Controls	2
WELD 161	Oxy-Acetylene Welding	4
	Minimum Support Course Units:	0
	Total Minimum Units Required:	29

Equine Science

Associate Degree



Degree: Certificate: Degree not available.

30 units in courses listed below with a minimum of a "C" grade in all course

CERTIFICATE

The Equine Science Program includes classes in many phases of the horse industry. Students will have the opportunity to train their own horses, along with the college owned stock. Many universities offer courses in Equine Science which will lead to degrees in this field. The employment outlook for students who complete this course of study is bright. Careers include horse trainer, breeder, nutritionist, and horse health care technician.

Course Numbers	Core Courses	Unit
AGMT 108a-b	Introduction to Agriculture Computer Applications(first semester)	
ASCI 22	Horse Husbandry	3
ASCI 104	Animal Disease and Sanitation	3
ASCI 120a	Basic Equitation (1st semester)	2
ASCI 120b	Basic Equitation (2nd semester)	
ASCI 121	PE for the Equestrian	
ASCI 123	Horse Production	2
ASCI 124a	Colt Breaking	2
ASCI 124b	Colt Breaking	
WEXP 193	Occupational Cooperative Education/Internship (1st semester)	2
	Minimum Core Course Units:	22
Course Numbers	Support Courses	Units
Select 8 additional u	inits from this list to complete the total units required	
	inits from this list to complete the total units required.	
	Agricultural Mathematics	
AG 201	Agricultural Mathematics Other Approved Agriculture Classes	
AG 201	Agricultural Mathematics	
AG 201 AG	Agricultural Mathematics Other Approved Agriculture Classes With Approval of Department Agricultural Sales	
AG 201 AG AGMT 102	Agricultural Mathematics Other Approved Agriculture Classes With Approval of Department	
AG 201 AG AGMT 102 ASCI 227	Agricultural Mathematics Other Approved Agriculture Classes With Approval of Department Agricultural Sales	
AG 201 AG AGMT 102 ASCI 227 ASCI 228	Agricultural Mathematics Other Approved Agriculture Classes With Approval of Department Agricultural Sales The Snaffle Bit Futurity	
Select 8 additional u AG 201 AG AGMT 102 ASCI 227 ASCI 228 ASCI 229 ASCI 271	Agricultural Mathematics Other Approved Agriculture Classes With Approval of Department Agricultural Sales The Snaffle Bit Futurity Bits and Biting	
AG 201 AG AGMT 102 ASCI 227 ASCI 228 ASCI 229	Agricultural Mathematics Other Approved Agriculture Classes With Approval of Department Agricultural Sales The Snaffle Bit Futurity Bits and Biting Equine Racing Industry	



Associate Degree Certificate

Family Support Officer

Degree:Degree not available.Certificate:A minimum of 14 units below with a minimum of a "C" grade in all courses. Established Fall, 1998.

CERTIFICATE

This certificate is designed to equip students to establish, enforce and modify family support court orders. This certificate program may be completed within one semester and is part of a legal career ladder offered at COS. Advanced steps on the ladder include legal documents clerk and paralegal. Though the ladder is designed to equip the student to perform increasingly complex job skills, the student may pursue any of the legal career certificates or majors without completing the others.

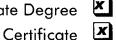
Students seeking the Family Support Officer Certificate will learn basic computer skills, legal terminology and family support collection procedures including the software used by many California Family Support Divisions. The student must complete the courses or typing certificate under all six areas of competency listed below with a "C" grade or better.

	Course Number	Core Course Title	Units
	BUS 270	College Keyboarding, Level 1	
		n the last 6 months verifying a typing speed of 25 CWPM -5 min.	
	(Contact a local Adult S	School or a COS keyboarding instructor for an appointment)	
	Computer Competen	cy:	
	Course Number	Core Course Title	<u>Units</u>
	COMP 220	Essential Computer Concepts (1)	
	COMP 140*	Windows (3)	
	COMP 130*	Introduction to Personal Computers (4)	
or	COMP 5*	Introduction to Computer Information Systems	
1.	Legal Terminology:		
	Course Number	Core Course Title	Units
	PARA 102*	Legal Terminology	
V.	Law Office Procedure	e Competency:	
	Course Number	Core Course Title	Units
	PARA 110*	Legal Ethics, Management and Interviewing	
	WEXP 193	Work Experience	1
nd -			
nd	(Additional work exper	ience units are available under the support classes below) Contact the W	ork Experience Coordin
nd	(Additional work exper the first week of classe	Work Experience ience units are available under the support classes below) Contact the W as.	lork Experience Coordin
	the first week of classe	3S.	ork Experience Coordin
	the first week of classe Family Support Colle	ection Procedures:	
	the first week of classe	3S.	Units
V.	the first week of classe Family Support Colle Course Number PARA 240	ection Procedures: Core Course Title Family Support Officer Training	Units
V.	the first week of classe Family Support Colle Course Number PARA 240 Suggested Support C	ection Procedures: Core Course Title Family Support Officer Training Classes to complete the 12 unit minimum:	Units
V.	the first week of classe Family Support Colle Course Number PARA 240 Suggested Support C Course Number	ection Procedures: Core Course Title Family Support Officer Training Classes to complete the 12 unit minimum: Core Course Title	Units 4 Units
V.	the first week of classe Family Support Colle Course Number PARA 240 Suggested Support C Course Number COMP 140*, 130*, or 5	ection Procedures: Core Course Title Family Support Officer Training Classes to complete the 12 unit minimum: Core Course Title 5*	Units 4 Units
·.	the first week of classe Family Support Colle Course Number PARA 240 Suggested Support C Course Number COMP 140*, 130*, or S PARA 101*	ection Procedures: Core Course Title Family Support Officer Training Classes to complete the 12 unit minimum: Core Course Title 5* Introduction to Paralegalism	Units 4 Units 3 or 3
/.	the first week of classe Family Support Colle Course Number PARA 240 Suggested Support C Course Number COMP 140*, 130*, or S PARA 101* WEXP 194	ection Procedures: Core Course Title Family Support Officer Training Classes to complete the 12 unit minimum: Core Course Title 5*	Units 4 Units 3 or 3

One Semester: Law Office Clerk/Receptionist or Family Support Officer Two Semesters: Legal Documents Clerk Three or four Semesters: Paralegal Degree - Approved by the American Bar Association.

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Associate Degree



A.S. Degree: Certificate courses with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.) Certificate: 24 units in courses listed below with a minimum of a "C" grade. Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

The glamour world of fashion design is a growing industry. California is number two in the nation when it comes to the clothing industry. Millions of people are involved in fashion production through designing, manufacturing, advertising, and marketing. Americans spend more than \$82 billion on clothing each year. Over 30,000 new jobs have been created in the California apparel industry in a ten year period, and this trend is expected to continue.

The fashion design option will teach you how to design and create for this growing industry or in your own business. Career opportunities include fashion designer, fashion illustrator, pattern drafter, pattern grader, sample maker, production manager, shipping manager, manufacturer's sales representative, dressmaker, and alterationist.

Course Numbers	Core Courses	Units
FASH 160a-b	Clothing Construction	
FASH 161a-b	Tailoring	
FASH 174a	Fashion Illustration	
FASH 175M1	Fashion Image	
FASH 175M2	Fashion Image	1.5
FASH 176	Introduction toTextiles	
FASH 177	Introduction to Merchandising	
SPCH 1	Fundamentals of Speech	
	Minimum Core Course Units:	

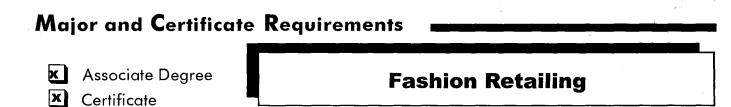
Support Courses Course Numbers

Units

Select additional units from this list to complete the total units required.

CFS 6	Color & Design	
FASH 12a-b	Costuming	
FASH 164	The World of Fashion	
FASH 174b	Advanced Fashion Illustration	
FASH 179	Fashion Origins	3
FASH 162	Creative Pattern Design	
	·	

Minimum Support Course Units:	 4
Total Minimum Units Required:	 24



 A.S. Degree:
 Certificate courses with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

 Certificate:
 22 units in courses listed below with a minimum of a "C" grade in all courses.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A Certificate and/or A.S. Degree can be awarded under Business or Consumer/Family Studies

CERTIFICATE

The glamour world of fashion design is a growing industry. California is number two in the nation when it comes to the clothing industry. Millions of people are involved in fashion production through designing, manufacturing, advertising, and marketing. Americans spend more than \$82 billion on clothing each year. Over 30,000 new jobs have been created in the California apparel industry in a ten year period, and this trend is expected to continue.

Career opportunities in fashion retailing include retail sales, buyer or manager, fashion coordinator, fashion consultant, display specialist, public relations, teacher, plus related opportunities such as fashion journalism, advertising, and manufacturer's sales representative.

Course Numbers	Core Courses	Units
BUS 82	Introduction to Business	
BUS 170	Introduction to Retail Sales	
FASH 175	Fashion Image (M-1 & M-2)	
FASH 177	Introduction to Merchandising	
FASH 178	Visual Merchandising and Promotion	
WEXP 191	Occupational Cooperative Education	
	Minimum Core Course Units:	16

Course Numbers Support Courses

Units

Select 6 additional units from this list to complete the total units required.

	Minimum Support Course Units:	6
R BARK A TY OF		
FASH 179	Origins of Fashion	3
FASH 176	Introduction to Textiles	2
	Fashion Illustration	
	The World of Fashion	
	Color & Design	
BUS 184	Business Communication	3
	Marketing Principles	
BUS 185	Ethics in Business and Industry	3

Fire Academy

Associate Degree

Certificate

Certificate: Degree:

9 units awarded in the below listed course. Degree not available.

CERTIFICATE

Course Description:	Manipulative and technical training in basic concepts in fire service organization and theories of fire control, including laws and regulations affecting the fire service personnel, and functions; fire organizations; principles of fire behavior; and the basic consideration in fire strategy and tactics.
Objectives:	To provide the student with technical information relating to the functions and responsibilities of the fire service and to develop manipulative skills in fire department operations and use of related equipment, which will provide the knowledge necessary for the student to perform as an entry-level firefighter in any fire department in the State of California.
Methods of Assessment:	Short Answer Test, Problem Solving, and Skill Demonstration.
Evaluation:	The method of evaluating personal and interpersonal conduct is the daily grade sheet. Students will be given a daily participation grade by the Academy Staff. This grade will be a compilation of the instructor's impression of each cadet's personal conduct, team work, physical capabilities, cooperation and appearance. These grades will be compiled on the same basis as a quiz.
Limitation on Enrollment:	Current affiliation with a fire service agency AND proof of completion of a breathing apparatus "fit test" OR Ability to provide protective clothing ("turn-out" gear) AND Medical clearance by a licensed physician or Physician's Assistant to wear a self-contained breathing apparatus (SCBA).
Topics:	 Firefighter safety • Fire extinguishers • Fire behavior • S.C.B.A (Self-contained Breathing Apparatus) Fire control • Ground ladders • ICS• Wildland (Control 6) • Forcible entry • Hazardous Materials• Fire Prevention Hose & Appliances • Streams/Nozzles • Ropes & Knots • Auto extrication • Building construction • Salvage/Overhaul • Rescue • Protection systems • Emergency Care • Confined space • Ventilation
Course Number	Core Course Units
FIRE 170	Basic Firefighter 1 Academy

Please note:

Completion of only the Fire Fighter 1 Academy will not meet the minimum qualifications for Fire Service agencies for employment. Students should pursue either the 30 unit certificate in Fire Technology or an Associate degree in Fire Technology.



Associate Degree Certificate

A.S. Degree:

28 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

Certificate:

30 units with a minimum grade of a "C" in all courses.

CERTIFICATE

The Fire Technology program at COS is designed to increase the professional knowledge and skills of people presently employed in fire protection fields as well as prepare others interested in careers related to fire-fighting or safety in private industry, insurance agencies and government. COS offers the in-service firefighter a chance to improve himself professionally to be prepared for promotions to positions of higher responsibility and pay. The student, by completing 30 units of study in this area, including the five core courses, will earn a Certificate of Completion. Or the student can earn an AS degree by completing a combination of the approved Fire Technology and COS graduation requirements.

Fire fighting offers many career opportunities for graduates including positions in municipal fire departments, county departments, fire protection districts, and more than 250 California state fire protection agencies. There are also employment opportunities in forestry agencies, correctional institutions, military bases, and numerous federal agencies. Specialists are also in demand by industry and by such agencies as the Insurance Service Office, Underwriters Laboratory, National Fire Protection Association, and the insurance industry.

Course Numbers	Core Courses	Units
SECTION A:	FIRE PREVENTION (must choose a minimum of 9 units)	
FIRE 157	Fire Prevention Technology	
FIRE 161	S.F.M. Fire Prevention 1A	
FIRE 162	S.F.M. Fire Prevention 1B	
FIRE 163	Fire Protection Equipment & Systems	
FIRE 164	S.F.M. Fire Prevention 1C	
FIRE 182	Building Construction for Fire Protection	
FIRE 252	S.F.M. Fire Investigation 1A	
FIRE 253	S.F.M. Fire Investigation 1B	2
	Minimum Section A Core Course Units:	
SECTION B:	FIRE SUPPRESSION (must choose a minimum of 9 units)	
FIRE 154	Fundamentals of Fire Service Operation	
FIRE 155	Fire Behavior and Combustion	
FIRE 156	Fire Service Hydraulics	3
FIRE 159	Fire Protection Organization	3
FIRE 170	Fire Academy (max. 9 units accepted)	
FIRE 173	S.F.M. Fire Command 1A	2
FIRE 174	S.F.M. Fire Command 1B	2
FIRE 182	Building Construction for Fire Protection	3
	Minimum Section B Core Course Units:	
SECTION C:	HAZARDOUS MATERIALS (optional elective units)	
ITEC 130		15
	Hazardous Materials Awareness & Safety Optional Section C Course Units:	15
•		
SECTION D:	EMERGENCY MEDICAL CARE (must choose a minimum of 4 units)	
EMT 251B	Emergency Medical Technician B	
	Minimum Section D Core Course Units:	

Continued on the next page.

Fire	Те	chn	olo	gy
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Associate Degree

ate Degree	X
Certificate	X

Section E:	ADDITIONAL RELATED FIRE TECHNOLOGY COURSES (choose additional units from Fire Technology courses listed a units to complete the certificate)	bove or below to equal 30 or more
FIRE 125	Fund of Fire Apparatus and Equipment	
FIRE 171	S.F.M. Fire Instructor 1A	2
FIRE 172	S.F.M. Fire Instructor 1B	
FIRE 277	S.F.M. Fire Management 1	
FIRE 267	S.F.M. Fire Control 6 (Wildland Fire)	
	Minimum Section E Core Course Units:	
	Optional Electives Units:	1.5
	Total Minimum Units Required:	

Units for classes which are duplicated in the above sections may not be considered in more than one section. Example: If you choose to take FIRE TEC 182 in Section A, you may not use FIRE TEC 182 for the unit requirements in Section B.

A.S. DEGREE

Fire Technicians work within the fire service protecting people from fires, responding to emergencies, and providing social, economic, and environmental benefits to rural and urban citizens. Careers within the fire service include areas such as fire prevention, fire suppression, and management. These careers are formulated within a traditional and often "paramilitary" organization having a definitive chain of command. Some career options include:

Urban Firefighter
 Rural Firefighter
 Wildland Firefighter
 Hazardous Materials Technician
 Fire Apparatus Operator/Driver

• Law/Code Enforcement • Company Officer • Supervisor (Some career options may require classes beyond the Associate Degree level.)

Course Numbers	Core Courses	Units
FIRE 155	Fire Behavior and Combustion	3
FIRE 157	Fire Prevention Technology	
FIRE 159 ~	Fire Protection Organization (prerequisite course)	3
FIRE 163	Fire Protection Equipment & Systems	
FIRE 182	Building Construction for Fire Protection	
	Minimum Core Course Units:	15
Course Numbers	Support Courses	Units
Select 13 additional u	nits from this list to meet minimum qualifications for employment as a firefighter.	
Select 13 additional u FIRE 170	nits from this list to meet minimum qualifications for employment as a firefighter. Basic Firefighter 1 Academy	
	Basic Firefighter 1 Academy	
FIRE 170		4

~ Delivered on an "as needed" basis determined by the Tulare/Kings Counties Fire Chiefs Association and the Tulare/Kings **Counties Fire Training Officers Association**

Note: Due to the fact that fire technology is a small program and courses are taught only in the evening, it is difficult for students to complete all the required courses in a two-year time frame.



Associate Degree Certificate

Degree:Degree not available.Certificate:30 units in courses listed below with a minimum of a "C" grade in all courses.

CERTIFICATE

The Floral Technology Program is designed for those seeking occupations in the floral industry. The sale of cut flowers, houseplants and dried and silk flowers has increased rapidly in recent years. This is because of increased population and family income, and also because of increased interest in the use of flowers.

Course Numbers	Core Courses	Units
AGMT 108a-b	Introduction to Agriculture Computer Applications(first semester)	3
OH 101	Basic Ornamental Horticulture	3
OH 111	Floral Design	3
OH 112	Sympathy Flowers	3
OH 113	Wedding Flowers	3
OH 119	Interiorscapes	3
OH 123	Silk and Dried Floral Design	
WEXP 193	Occupational Cooperative Education/Internship (1st semester)	
	Minimum Core Course Units:	24

Course Number Support Courses

Units

Select 6 additional units from this list to complete the total units required.

	Total Minimum Units Required:	30
	Minimum Support Course Units:	6
	With Approval of Department	3
٨G	Other Approved Agriculture Classes	
DH 271	Basic Horticulture Skills	
DH 129	Horticulture/Floral Business Management	3
DH 106	Landscape Drafting	3
DH 105	Plant Propagation	
DH 104	Nursery Practices	3
OH 7	Landscape Design	3
AGMT 102	Agricultural Sales and Service	
AG 201	Agricultural Mathematics	3

Food Service 1: Basic Certificate

Associate Degree Certificate

X

Degree: Certificate: Degree not available. 11 units in courses listed below with a minimum of a "C" grade in all required courses.

CERTIFICATE

Students in this field will find a wide variety of entry-level employment opportunities in the restaurant industry, schools, hospitals, day care centers for the young and the elderly and other commercial food facilities and residential health facilities. The Food Service I - Basic Certificate offers students an introduction to and basic skills for the food service industry.

Course Numbers	Core Courses	Units
NUTR 18	Nutrition	
NUTR 101	Foods (3)	
<i>or</i> NUTR 105	Professional Cooking I	3
NUTR 107	Sanitation and Safety	
NUTR 201	Introduction to Food Service & Nutrition Professions	1
NUTR 301	Food Service & Nutrition Skills I	1
NUTR 302	Food Service & Nutrition Skills II	1
	Total Minimum Units Required:	11



Associate Degree Certificate

Food Service 2: Dietetic Service Supervisor

Degree: Degree not available.

Certificate: 22 units in courses listed below with a minimum of a "C" grade in all courses.

CERTIFICATE

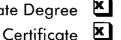
Employment opportunities are available in hospitals, skilled nursing facilities, residential health facilities and other food service institutions.

The Food Service II - Dietetic Service Supervisor Certificate is designed to meet the requirements of the California Department of Health Services to become a qualified Dietetic Service Supervisor.

Course Numbers	Core Courses	Units
NUTR 18	Nutrition	
NUTR 105	Professional Cooking I	
NUTR 107	Sanitation and Safety	
NUTR 108	Introduction to Food Service Management	
NUTR 111	Dietetic Service Supervisor Work Experience	
NUTR 113	Dietetics	
NUTR 201	Introduction to Food Service & Nutrition Professions	
NUTR 202	Professionalism in the Workplace	
NUTR 301	Food Service & Nutrition Skills I	
NUTR 302	Food Service & Nutrition Skills II	
	Total Minimum Units Required:	

	Food	Serv	vice	3:	
Food	Servi	ce M	lana	gement	Ł

Associate Degree



28 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. A.S. Degree: (See page 54.) 28 units in courses listed below with a minimum of a "C" grade in all courses. Certificate: Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

Students in this field will find a wide variety of employment opportunities in the restaurant industry, schools, hospitals, day care centers for the young and the elderly and other commercial food facilities and residential health facilities. An A.S. Degree provides the educational foundation for supervisory level positions in food service.

Course Numbers	Core Courses	Units
NUTR 18	Nutrition	
NUTR 101	Foods	3
NUTR 105	Professional Cooking I	
NUTR 106	Professional Cooking II	
NUTR 107	Sanitation and Safety	2
NUTR 108	Introduction to Food Service Management	
NUTR 201	Introduction to Food Service & Nutrition Professions	
NUTR 202	Professionalism in the Workplace	
NUTR 301	Food Service & Nutrition Skills I	1
NUTR 302	Food Service & Nutrition Skills II	
Minimum Core Co	urse Units:	

Course Numbers Support Courses

Units

Select 5 additional units from this list to complete the total units required.

ACCT 1	Principles of Accounting	4
BUS 82	Introduction to Business	3
BUS 174	Marketing Principles	3
BUS 188	Human Relations in Business	3
BUS 230	Supervision - Management for the First Line Supervisor	3
COMP 5	Introduction to Computer Information Systems	4
COMP 130	Introduction to Personal Computers Operations	
COMP 136	Word Processing Using WordPerfect	3
COMP 139	Windows and DOS	2
COMP 221a-d	Beginning Word (1.5)	1.5
COMP 223a-d	Excel (1.5)	1.5
NUTR 109 or	Food Service Experience (2-3)	
NUTR 111	Dietetic Service Supervisor Work Experience (2)	2-3
	Minimum Support Course Units:	5
	Total Minimum Units Required:	28

x

Associate Degree Certificate

 A.A. Degree:
 21 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

 Certificate:
 Certificate is not available.

 Transfer Students:
 Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.A. DEGREE

By studying different languages (French, Spanish, and ASL), the student gains an appreciation for various cultures and the ability to communicate in each one. Many career opportunities are available for a student who is multilingual. Business, foreign trade, education, banking, travel, and interpreting are some of the possibilities.

Course Numbers	Core Courses	Units
Select one level four	r class from this group (3-4 units):	
ASL 4	Advanced American Sign Language (3)	
or FREN 4	Advanced French (4)	
r SPAN 4	Advanced Spanish (4)	
Select one level two	class from a language different than the level four (3-4 units):	
ASL 2	Beginning American Sign Language (3)	
or FREN 2	Intermediate French (4)	
r SPAN 2	Intermediate Spanish (4)	3 or
	Minimum Core Course Units:	6-8
Course Numbers	Support Courses	Units
Select 13-15 additio	nal units from this list to complete the total units required	
ART 3	Art History	
ART 4, 5	Pre-Columbian Art	
ASL 1, 2, 3	Beginning through Intermediate Sign Language	
ENGL 10	Chicano Literature	
ENGL 44	World Literature	
ENGL 45	World Literature	
FREN 1, 2, 3	Elementary and Intermediate French	
GEOG 2	World Regional Geography	3

	Total Minimum Units Required:	21
	Minimum Support Course Units:	13-15
SPAN 12	Hispanic Literature	3
SPAN 1, 2, 3,	Elementary and Intermediate Spanish	4/4/4
PHIL 11	Development of Western Civilization	
HIST 23	Mexican-American History	3
HIST 5	History of Western Civilization	
HIST 4	History of Western Civilization	
GEOG 3	Cultural Geography	3

French

Associate Degree Certificate

X ,	

A.A. Degree:	18 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units.
	(See page 54.)
Certificate:	Certificate is not available.
Transfer Students	: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.A. DEGREE

A major in French at COS allows students to gain understanding of a new language and culture, and, by comparison, greater insight and appreciation for their own language and culture. A second language expands students' research capacities and facilitates participation in the international communications systems. Knowing French will enhance students' opportunities to be involved in, or employed by, international businesses, banking systems, journalism, cultural and medical exchanges, government agencies, and in education.

Course Numbers	Core Courses	Units
FREN 2	Elementary French	
FREN 3	Intermediate French	
FREN 4	Advanced French	
	Minimum Core Course Units:	12

Course Numbers	Support Courses	Jnit
Select 3 additional u	nits from this list	
ENGL 44	World Literature	3
ENGL 45	World Literature	3
HIST 4	Western Civilization	3
HIST 5	Western Civilization	3
Select 3 additional u	nits from this list to complete the total units required	
ART 2	Art History	3
ART 3	Art History	
ENGL 44	World Literature	
ENGL 45	World Literature	
FREN 1	Beginning French	
GEOG 2	World Regional Geography	3
GEOG 3	Cultural Geography	
HIST 4	The History of Western Civilization to 1648	3
HIST 5	The History of Western Civilization Since 1648	3
PHIL 5	Ethics	
PHIL 10	Development of Western Philosophy 1	
PHIL 11	Development of Western Philosophy 2	
PHIL 25	Critical Thinking	
	Minimum Support Course Units:	6
	Total Minimum Units Required:	1

X X

Associate Degree Certificate

A.S. Degree: 41 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.) Certificate: 30 units in courses listed below with a minimum of a "C" grade in all courses

Certificate: 30 units in courses listed below with a minimum of a "C" grade in all courses.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

The Graphic Design Certificate Program is a dynamic program that requires constant updating and change. The accelerated growth in the communication field and the exponential developments in computer technology requires this change. The program is directed to remain on the cutting-edge of these technological innovations. The classes may change from one semester to the next because new and exciting things develop in this and other departments. Ideally, this program will meet the needs of all students wishing to enter into the graphic design workforce. Students always have totally different experiences and motivation so some students may enroll in advanced classes not on this list. Classes can be substituted by division approval to meet scheduling needs.

Course Numbers	Core Courses Ur	nits_
First Semester		
ART 25a-d	Digital Imaging for Artists (First semester)	. 3
COMP 135	Desktop Publishing	. 4
DRFT159	Desktop Publishing Adobe Illustrator	. 2
DRFT 160	Graphic Design	
ITEC 160	Technical Computer Applications	
Second Semester		
COMP 229	Webpage Design and Development	. 3
DRFT 161a-d	Graphic Design Application (First semester)	. 4
DRFT 162a-d	Integrated Graphics	. 4
DRFT 163	Digital Mechanicals	. 3
DRFT 190	Supervised Practice	. 1
	Minimum Core Course Units:	. 30

ASSOCIATE OF SCIENCE DEGREE

Course Numbers	Core Courses	Units
First Semester		
DRFT 159	Adobe Illustrator	
DRFT 160	Graphic Design	
ART 25a-d	Digital Imaging for Artists (First semester)	
ITEC 160	Technical Computer Applications	
Second Semester		
DRFT 161a-d	Graphic Design Applications (First semester)	4
DRFT 162a-d	Integrated Graphics (First semester)	4
COMP 135	Desktop Publishing	
Third Semester		
DRFT 161a-d	Graphic Design Applications (Second semester)	4
DRFT 162a-d	Integrated Graphics (Second semester)	4
COMP 229	Web Page Design and Development	
Fourth Semester		
DRFT 161 a-d	Graphic Design Applications (Third semester)	
DRFT 163	Digital Mechanicals	
	Minimum Core Course Units:	41
	Refer to next page	ge for Support courses

Graphic Design

Associate Degree Certificate

Course Numbers	Support Courses	Units
ART 23a-d	Macintosh Basis for Artists and Designers	
ART 25a-d	Digital Imaging for Artists	
ART 126a-d	Fractal Design Painter	
COMP 131	Beginning DOS	
COMP 132	Advanced DOS	
COMP 227	Presentation Software	1.5
COMP 228	Introduction to World Wide Web	
DRFT 151	Independent Study (Graphic Design)	1-9
DRFT 170a-d	Computer Animation	
DRFT 190a-d	Supervised Practice	
DRFT 199	Special Topics	
ITEC 185	Ethics in Business and Industry	
LIBR 102	Internet Information Resources	
WEXP 191-196	Work Experience	
	Minimum Support Course Units for an A.S. Degree:	0
	Minimum Support Course Units for a Certificate:	
	Minimum Units Required for an A.S. Degree;	41
	Minimum Units Required for a Certificate:	



Associate Degree Certificate

Health Education

 A.A. Degree:
 30 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

 Certificate:
 Certificate not available.

 Transfer:
 Preparation requirements for the Health related major vary from university to university. Some of the courses included in this program may fulfill transfer requirements. Students planning to transfer to a four-year school are encouraged to review specific requirements with a counselor and check the major sheet of the university they plan to attend.

A.A. DEGREE

The Health Education major will enable students to develop a background to pursue a career in any of the health fields. The area of Public Health provides employment opportunities in hospitals, rehabilitation centers, geriatric facilities, and sales of medical supplies. In Community Health, employment is available through OSHA, HAZMAT, mosquito abatement, pest control, and environmental control agencies. In the private sector, employment opportunities include sales and promotion, pest control businesses, and environmental control agencies. Students who transfer to a four-year institution may pursue a Bachelors degree in Health Science and a Masters degree in Public Health.

Course Numbers	Core Courses	Units
CHLD 148	Child Health & Safety	3
HW 1	Personal & Community Hygiene	. 3
HW 3	Standard First Aid	
HW 60	Concepts in Health & Fitness	. 3
HW 119	Nutrition for Fitness	3
NURS 106	Cultural Diversity in Health	3
PSYC 1	General Psychology	
SOC 1	Introduction to Sociology	
	Minimum Core Course Units:	. 24

Course Numbers Support Courses

Units

Select 6 additional units from this list to complete the total units required.

HW 104 HW 7	Drugs & Society Sports Health	
SMED 40	Care and Prevention of Athletic Injuries	
	Minimum Support Course Units:	6

Home Health Aide

Associate Degre Certifica

ee	
ate	x

Certificate: Degree:

2 units in the course listed below with a minimum of a "C" grade. Degree not available.

CERTIFICATE

This Home Health Aide course is offered for those individuals who have already completed the Certified Nursing Assistance course.

The certificate offered by the Division of Nursing and Health Science is issued by the State of California through the Department of Health Services. The program offered is a single course which prepares the student to receive a certificate permitting practice as a Home Health Aide. Careers include Emergency Medical Technician A, Nursing Assistant and Home Health Aide. Jobs are plentiful and offered at many sites throughout the college district.

To qualify for the state certificate, the student must pass the course with a grade of "C" or better. Fingerprint clearance by the Department of Justice may be required. Specific information about the criminal record review involved may be obtained from the Nursing and Health Science Division office.

Course Numbers	Core Courses	 Units
NUR 352	Home Health Aide	2
	Total Minimum Units Required:	



A.S. Degree: 36 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

Certificate: 36 units with a minimum grade of a "C" in all required courses.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.S. DEGREE

Communities today require a variety of social services to provide for the economic and emotional needs of those in difficulty. Agencies on a variety of levels require trained individuals to provide such services. Some of these programs have positions available for those with two years of college instruction. The Human Service program prepares students to work in a community setting or beginning paraprofessional level, to train as aides in welfare eligibility work, mental health and other social service agency positions. Students will be required to spend several hours weekly as community service interns during the two-year program.

Course Numbers	Core Courses	Unite
COMP 5	Introduction to Computer Information Systems (4)	
COMP 130	Introduction to Personal Computers	4
CFS 186	Personal Management/Consumer Economics (3)	
BUS 297	Personal Finance	
HSER 120	Introduction to Social Welfare	
HSER 121	Interviewing	4
HSER 122	Introduction of Human Services	3
HSER 228	Alcoholism, Intervention, Treatment, and Recovery	
HSER 229	Physical & Psychological Aspects of Drug Use	
PSYC 1	General Psychology	3
PSYC 10	Human Sexuality	3
SOC 26	Marriage and Family Life	
WEXP 193	Human Services Work Experience/Internship	
WEXP 194	Human Services Work Experience/Internship	
WEXP 195	Human Services Work Experience/Internship	
	Minimum Core Course Units:	

Course Numbers	Support Courses	Units
Select additional uni	ts from this list for further study.	
WEXP 196	Human Services Work Experience/Internship	1-4
	Minimum Support Course Units:	0
	Total Minimum Units Required:	36

Humanities

Associate Degre

ate Degree		X
Certificate	ļ	

A A. Degree: 30 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

Certificate not available. Certificate:

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.A. DEGREE

The program in Humanities provides an interdisciplinary approach to education. The major surveys relationships among philosophy, literature, music, architecture, sculpture and painting. Students explore interrelationships among arts and ideas. This solid grounding in the liberal arts helps graduates who plan to continue in professional careers such as teaching, library, museum or curatorial work.

Select 30 units from among the following disciplines. Select transfer courses from at least four different disciplines listed below :

> Anthropology Art **Ethnic Studies** History Literature Music Philosophy Theater Arts Advanced level Foreign Language



A.S. Degree:	Certificate courses with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units.
- ,	(See page 54.)
Certificate:	Option A: 27 units in courses listed below with a minimum of a "C" grade in all courses.
	Option B: 31 units in courses listed below with a minimum of a "C" grade in all courses. (EVENING)
Transfer Students	s: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

MAINTENANCE TECHNICIAN, OPTION A

Maintenance Technician, Option A, is a one-year (two semester) 25 hours per week training program to provide students with job entry skills. The two degree applicable thirteen unit classes will provide students with over 850 hours of skill training in the areas of electricity, electronics, welding, machining, refrigeration, hydraulics, pneumatics, programmable logic controllers, motor control, and other maintenance areas. The class is designed for entry level training and requires no previous experience. A certificate is awarded upon successful completion of two semesters.

Course Numbers	Core Courses	Units
First Semester		
ITEC 100	Industrial Maintenance Technology, Option A	
Second Semester		
ITEC 101	Industrial Maintenance Technology, Option A	
ITEC 278	Industrial Preventative Maintenance	
	Minimum Core Course Units	
Course Numbers	Support Courses	Units
ITEC 185	Ethics in Business and Industry	3
ITEC 201	Technical Mathematics	
ITEC 233	Job Search Skills	2
SPCH 4	Interpersonal Communications	
	Minimum Support Course Units	0
	Total Minimum Units Required:	27

MAINTENANCE TECHNICIAN, OPTION B (EVENING)

Maintenance Technician, Option B, is a two-year (four semester) 6 hours per week training program to provide students with job entry skills. "The degree applicable, six unit classes will provide students with skill training in the areas of electricity, electronics, welding, machining, refrigeration, hydraulics, pneumatics, programmable logic controllers, motor control, and other maintenance areas. Work experience is required to meet the requirements for a certificate.

Course Numbers	Core Courses	Units
ITEC 105a-d	Industrial Maintenance Technology (4 units/4 semesters)	16
ITEC 193-196	Work Experience	
ITEC 278	Industrial Preventative Maintenance	
	Minimum Core Course Units	
Course Numbers	Support Courses	Units
ITEC 271	Electrical Wiring	2
ITEC 272	Electrical Wiring, Industrial	2
ITEC 273	Electrical Motor Controls	2
ITEC 274	Electrical Motor Controls-Prog Controllers	2
ITEC 275	Solid State Fundamentals for Electricians	2
	Minimum Support Course Units	
	Total Minimum Units Required:	



Associate Degree Certificate

X

A:A. Degree: 18 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.) Certificate: Certificate not available.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.A. DEGREE

This major is designed for students who plan to pursue a higher degree in media communications as well as those who plan to secure employment with area newspapers, public relations firms, advertising firms, or non-profit agencies. It is also appropriate for those seeking jobs requiring photography or computer skills, and for those interested in law, criminal justice, graphic arts, and web page design. This major offers several options. Language skills are heavily emphasized.

Course Numbers	Core Courses	Units
ENGL 2	Logic and Composition	
JOUR 1	Beginning Newswriting	
JOUR 7	Mass Communication	
JOUR 103a-d	Newspaper Production (1st semester)	
	Minimum Core Course Units:	13

Course Numbers	Support Courses	Units

Select 2-4 additional units from this list:

JOUR 103a-d	Newspaper Production (2nd semester)	4
JOUR 104a	Editorial Board	2
JOUR 110a	Photojournalism	3

Select 3-4 additional units from this list to complete the total units required:

ART 113	Macintosh Basics Art/Design	2
CINA 31	Motion Picture Appreciation	2
CINA 32	Motion Picture Appreciation	2
COMP 229	Web Page Development	3
DRAM 101a-d	Introduction to TV Production	3
DRFT 160	Graphic Design	3
DRFT 161a-d	Graphic Design Application	4
GOVT 25	Constitutional Law	3
JOUR 103a-d	Newspaper Production (3rd & 4th semesters)	4/4
JOUR 104a-d	Editorial Board	
JOUR 110a-d	Photojournalism	3/3/3/3
SPCH 1	Public Speaking Argumentation and Debate	3
SPCH 5	Argumentation and Debate	3
SPCH 4	Interpersonal Communication	3
	Minimum Support Course Units:	5
	Total Minimum Units Required:	18



Degree:

Certificate:

Associate Degree Certificate

Landscape Design

Degree not available.

30 units in courses listed below with a minimum of a "C" grade in all required courses.

CERTIFICATE

The major/certificate in Landscape Design prepares students to successfully design and plan landscapes and gardens using current standards. Students will be able to design landscapes using new water and environmental requirements. Included in the certificate program are courses that develop skills in selecting, grouping, and placing plant materials into various landscape styles, situations and themes. Career opportunities include golf course design, park design, and public area designs. Most universities offering agriculture programs also offer degrees in related Horticulture areas.

Course Numbers	Core Courses	Units
OH 2	Plant Identification 1	
OH 3	Plant Identification 2	
OH 7	Landscape Design	
OH 106	Landscape Drafting	_
OH 108	Landscape Construction	
OH 109	Landscape Maintenance	
OH 118	Xeriscape	
WEXP 193	Occupational Cooperate Education/Internship (1st semester)	3
	Minimum Core Course Units:	24

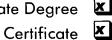
Course Numbers	Support Courses	Unit	ls
			-

Select 6 additional units from this list to complete the total units required.

AG	Other Approved Agriculture Classes With Approval of Department	3
AGMT 108a-b	Introduction to Agriculture Computer Applications (1st semester)	
OH 101	Basic Ornamental Horticulture	
OH 105	Plant Propagation	3
OH 119	Interiorscapes	
OH 120	Diseases of Ornamentals	
OH 121	Plant Combination Theory	
OH 271	Basic Horticulture Skills	
	Minimum Core Course Units:	6
	Total Minimum Units Required:	30

Landscape Management

Associate Degree



A.S. Degree.	Certificate courses with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units.
	(See page 54.)
Certificate:	30 units in courses listed below with a minimum of a "C" grade in all courses.
Transfer Students	: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

The certificate in Landscape Management develops skill and knowledge in the management of residential, commercial, and industrial landscapes and gardens. The field of landscape management is one of the fastest growing occupations in the nation and particularly in the San Joaquin Valley. This program prepares students for work as landscape contractors, turf managers, grounds maintenance managers, pest control operators, and landscape water auditors. Heavy emphasis is placed on plant culture and care, disease and pest management, turf culture and water management. Many of the required courses will transfer to universities.

Course Numbers	Core Courses	Units	
AGMT 108a-b	Introduction to Ag Computers		
AGTC 209a-d	Small Engines and Equipment		
OH 2	Plant Identification 1		
OH 3	Plant Identification 2		
OH 109	Landscape Maintenance		
OH 110	Turfgrass Management		
OH 117	Sprinkler Systems		
OH 122	Pests of Ornamentals		
WEXP 193	Occupational Cooperative Education/Internship (1st semester)	3	
	Minimum Core Course Units:	27	

Course Numbers Support Courses

Units

Select 3 additional units from this list to complete the total units required.

AG 103a-c	Applied Agricultural Practicums	. 3
AG 201	Agricultural Mathematics	. 3
AG	Other Approved Agriculture Classes	
	With Approval of Department	. 3
AGMT 108a-b	Introduction to Agriculture Computer Applications (1st semester)	. 3
OH 101	Basic Ornamental Horticulture	. 3
OH 105	Plant Propagation	. 3
OH 115	Xeriscape	. 3
OH 118	Interiorscapes	. 3
OH 120	Diseases of Ornamentals	. 3
OH 121	Plant Combination Theory	. 3
OH 271	Basic Horticulture Skills	. 3
	Minimum Support Course Units:	. 3
	Total Minimum Units Required:	. 30



Associate Degree Certificate

Degree:Degree not available.Certificate:The 24 unit program below with a minimum of a "C" grade in all required courses.

CERTIFICATE

Educational requirements have made entry into the law enforcement field highly competitive. An increasing number of prospective employers now require interested persons to have completed basic training requirements before applying for full-time or reserve positions.

The Public Safety Training program equips students with the skills and knowledge to enter this highly rewarding field. The Public Safety Training program provides in-service training for employed peace officers, correctional personnel and security guards.

Each of the courses listed below offers a certificate of completion as well as unit credit. To qualify for a Public Safety Training Certificate, the student must complete the Basic Police Academy (AJ200), plus a minimum of 12 units from any combination of the other courses listed below.

Course Numbers	Core Courses	Units
AJ 200	Basic Police Academy	
<u>or</u>		
AJ 200M1	Basic Police Academy - Module 1 (1.5 Units)	
AJ 200M2	Basic Police Academy - Module 2 (2 Units)	
AJ 200M3	Basic Police Academy - Module 3 (4 Units)	
AJ 200M4	Basic Police Academy - Module 4 (4.5 Units)	12
	Minimum Core Course Units:	12*
Course Numbers	Support Courses	Units
Select 12 units from	this list to complete the total units required.	
AJ 203	Traffic Collision Investigation	
AJ 204	Supervisory Techniques	
AJ 213	Interviewing/Interrogation Techniques	
AJ 214	Arrest and Control Techniques	
AJ 215	Drug Symptomology and Enforcement	
AJ 299	Topics Courses	
AJ 313a-b	Academy Preparation	
	Minimum Support Course Units:	12
	Total Minimum Units Required:	24
*SPECIAL NOTE:	The College is in the process of changing the number of units awa individuals completing the P.O.S.T. Basic Police Academy. Contac Academy Office for more details. (559) 730-3752.	

Law Office Clerk/Receptionist

Associate Degre Certificate

е	
e	X

Degree: Certificate: Degree not available.

14 units in courses listed below with a minimum of a "C" grade in all courses and completion of a typing certificate. Established Fall, 1997.

CERTIFICATE

A certificate designed to train the student to perform basic entry-level functions in a law office. This certificate program is designed to be completed within one semester and is the first part of a three step legal career ladder offered at COS. Though the three step ladder is designed to train the student to perform increasingly complex job skills, the student may pursue any of the certificate majors without completing the others. Students seeking the Law Office Clerk/Receptionist Certificate will learn basic computer skills, legal terminology and office procedures including filing and service of process. This certificate has a minimum of 14 units and students must complete the required typing certificate and courses under each of the five areas of competency listed below with a "C" or better.

I. Keyboarding Competency:

Typing certificate within the last 6 months verifying a typing speed of 45 CWPM -5 min. (Contact a local Adult School or a COS keyboarding instructor for an appointment)

II.	Computer	Competency:
-----	----------	-------------

Course Number	Course Title	Units
COMP 140*	Windows and DOS (3)	
or COMP 136	WordPerfect (3)	
or COMP 221 + 222	Beginning and Advanced Word (1.5 and 1.5=3)	
or COMP 5*	Introduction to Computer Information Systems (4)	
or COMP 130*	Introduction to Personal Computers (4)	3 or 4

III. Legal Terminology /Procedure:

Course Number	Course Title	Units
PARA 101*	Introduction to Paralegalism	3
and PARA 102*	Legal Terminology	1

IV. Law Office Procedure Competency:

Course Number	Course Title Units	
PARA 110*	Legal Ethics, Management & Interviewing 3	
and WEXP 193	Work Experience 1-4	

V. Writing Competency:

Course Number	Course Title	Units
BUS 293	Business English (4)	
or BUS 184	Business Communications (3)	
or ENGL 251	Fundamentals of College Writing (3)	
or ENGL 1*	College Reading/Composition (3)	3 or 4

* Asterisk indicates courses that apply toward the Paralegal Degree.

Legal Career Ladder at College of the Sequoias

One Semester: Law Office Clerk/Receptionist or Family Support Officer **Two Semesters: Legal Documents Clerk** Three or four Semesters: Paralegal Degree - Approved by the American Bar Association.



Associate Degree Certificate

Degree: Certificate: Degree not available. 17 units with a minimum of a "C" grade in all courses and completion of a typing certificate. Established Fall, 1997.

CERTIFICATE

This certificate program is designed to be completed within two semesters enabling students to obtain entry level document processing positions in a law office. Students will learn the process of civil or family law litigation, discovery and how to draft basic legal documents with the use of Judicial Council computerized forms. This certificate program is part of a three step legal career ladder offered at COS. The other three steps on the ladder include step one, Law Office Clerk or Family Support Officer; and step three, Paralegal. Students can complete all of the requirements necessary for the step one, Law Office Clerk/Receptionist Certificate, while also working on step two, Legal Documents Clerk Certificate. Though the three step ladder is designed to train the student to perform increasingly complex job skills, the student may pursue any of the four career certificates or majors without completing the others. This certificate requires meeting each of the six following areas of competency with a "C" grade or better and a **minimum of 17 units of credit**.

Ι.	Keyboarding Competen	cy: (First Semester)	
	Typing certificate within th	ne last 6 months verifying a typing speed of 45 CWPM -5 min.	
		l or a COS keyboarding instructor for an appointment)	
١١.	Computer Competency:	(One course either semester)	
	Course Number	Course Title	Units
	COMP 140*	Windows & DOS (3)	
or	COMP136	WordPerfect (3)	
or	COMP 221 + 222	Beginning & Advanced Word (1.5 and 1.5=3) (3)	
	COMP 5*	Introduction to Computer Infor. System (4)	
or	COMP 130*	Introduction to Personal Computers (4)	3 or 4
III.	Legal Terminology /Pro	cedure: (First Semester)	
	Course Number	Course Title	Units
	PARA 101*	Introduction to Paralegalism	3
and	PARA 102*	Legal Terminology	
IV.	Writing Competency:	(First Semester)	
	Course Number	Course Title	Units
	BUS 293	Business English (4)	
or	BUS 184	Business Communications (3)	
or	ENGL 251	Fundamentals of College Writing (3)	
or	ENGL 1*	College Reading/Composition (3)	3 or 4
V.	Law Office Procedure C	ompetency: (Second Semester)	
	Course Number	Course Title	Units
	PARA 110*	Legal Ethics, Management and Interviewing	
and	WEXP 193	Work Experience	1-4
VI	Litigation Competency:	(Second Semester)	
	Course Number	Course Title	Units
	PARA 103*		Unita
~ ~	PARA 103" PARA 237*	Civil Procedures I (4)	2 05 4
or	PARA 23/	Family Law (3)	3 UF 4
		(FMRM IVI IS a curequisite ivi buti cuulses)	

*Asterisk indicates courses that apply toward the Paralegal Degree

Legal Ca	reer Ladder at Col	lege of the Sec	quolas	
One Semester	r: Law Office Clerk/Receptio	nist or Family Suppor	tOfficer	
Two Semeste	rs: Legal Documents Clerk			
Three or four	Semesters: Paralegal Degr	ee - Approved by the A	American Bar Association.	

Liberal Arts

Associate Degree Certificate

X

A.A. Degree:	
Certificate:	

See below. Certificate not available.

A.A. DEGREE

Liberal Arts Transfer AA

Completion of the CSU or IGETC GE requirements or GE requirements at any accredited university and the balance of 60 units in electives numbered 1-199.

Liberal Arts Associate Degree

Completion of the COS GE and graduation requirements, and the balance of 60 units in electives numbered 1-299.



Degree:

Associate Degree

Certificate

Library Technician

Degree not available. Certificate:

17 units in the courses listed below with a minimum grade of "C" in all courses.

Today, more than ever, libraries provide a variety of resources to help people of all ages read, learn and connect with resources that are needed for school, work or personal fulfillment. Libraries have become the navigator for exploration in the world of information. Electronic catalogs, on-line databases, and networks provide almost unlimited access to this world.

The COS Library Technician Certificate leads to employment in school, college or public libraries as library technicians, library media clerks, or library media specialist.

Course Numbers	Support Courses	Units
First_Semester		
LIBR 201	Introduction to Libraries	
LIBR 202	Collection Development	2
Second Semester		
LIBR 203	Technical Services	
LIBR 204	School/Children's Services	
Third Semester		
LIBR 205	Library Media Services	
LIBR 206	Library Media Services Public Service/Reference	
	Minimum Core Course Units	15

Course Numbers Support Courses Units

Select 2 to 5 units from the following courses.

LIBR 101	Library Research Strategies	1
LIBR 102	Internet Information Resources	1
WEXP 193	Library Work Experience	1
WEXP 194	Library Work Experience	
WEXP 195	Library Work Experience	
	Minimum Support Course Units	2
	Total Minimum Units Required:	17

Marketing Management

Associate Degree Certificate

x	1

Degree:Degree not available.Certificate:The 30-unit program to

The 30-unit program below with a minimum of a "C" grade in all_courses.

CERTIFICATE

Marketing is a wide-ranging concept, involving much more than advertising and promoting products. Students in this program study project development, distribution, pricing, research and sales. Any job in retailing, wholesale or service industries requires a working knowledge of marketing. Approximately one out of three jobs is directly or closely related to marketing.

Entry level jobs exist with manufacturers, service firms, wholesalers, retailers, advertising agencies, consulting firms, and private and public nonprofit organizations such as hospitals. Students seeking an A.S. Degree in Business Management may take the Marketing Management Certificate requirements plus the General Education and graduation requirements.

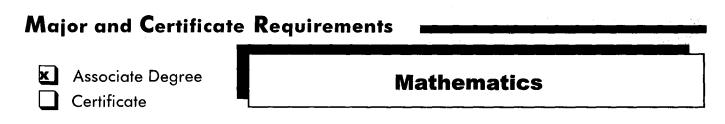
Course Numbers	Core Courses	Units
BUS 18	Business Law	4
BUS 82	Introduction to Business	
BUS 174	Marketing Principles	
BUS 184	Business Communications	
BUS 185	Ethics in Business and Industry	
BUS 188	Human Relations in Business	
COMP 5	Introduction to Computer Information Systems (4)	
or COMP 130	Introduction to Personal Computers	4
COMP 227	Presentation Software for Business	1.5
COMP 228	Introduction to the World Wide Web	1
	Minimum Core Course Units:	25

Course Numbers Support Courses

Units

Select 5 additional units from this list to complete the total units required.

ACCT 101	Essentials of Accounting	5
BUS 170	Introduction to Sales	3
BUS 231	Starting a New Business	3
COMP 140	Starting a New Business	3
COMP 229	Web Page Design & Development	
WEXP 193	Occupational Cooperative Education/Internship	
	(1st semester)	1-4
WEXP 194	Occupational Cooperative Education/Internship	
	(2nd semester)	1-4
WEXP 195	Occupational Cooperative Education/Internship	
	(3rd semester)	1-4
WEXP 196	Occupational Cooperative Education/Internship	
	(4th semester)	1-4
	Minimum Support Course Units:	5
	Total Minimum Units Required:	30



A.S. Degree: 26 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.) **Certificate:** Certificate not available. Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.S. DEGREE

The focus of the required core and support courses for this A.S. Degree are relevant to a student who will transfer to a four-year institution in the field of mathematics and/or a related science. It is not realistic to think that a student that has completed these degree requirements will terminate his or her education with the A.S. Degree to seek employment.

Course Numbers	Core Courses	Units
MATH 75	Calculus 1	5
MATH 76	Calculus 2	5
MATH 77	Calculus 3	3
MATH 15 or 16	Computer Science 1	3
	Minimum Core Course Units:	16

Course Numbers	Support Courses	Units

Select 10 additional units from this list to complete the total units required.

MATH 18	Computer Science 2	
MATH 80	Linear Algebra	3
MATH 81	Differential Equations	
PHYS 5	Physics for Scientists and Engineers 1	4
	Minimum Support Course Units:	10
	Total Minimum Units Required:	

Mathematics - Science

Associate Degree

Certificate

X	

 A.S. Degree:
 21 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

 Certificate:
 Certificate not available.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.S. DEGREE

The Science and Math major provides the student with some of the introductory courses that make up the lower division requirements of a variety of science majors. In order to develop marketable skills in one of the disciplines of science, the student must plan on the lower division requirements for a discipline-specific major such as physics, chemistry or biology, and then complete the upper division courses for that major at a four-year campus. There are very few entry level jobs for individuals with only these courses.

Course Numbers	Core Courses	Units
Select <u>TWO</u> of the fo	bliowing science sequences from this list to complete the total unit	s required
BIOL 1	Principles of Biology and	
BIOL 2	General Botany	5/5
CHEM 1	General Chemistry and	
CHEM2	General Chemistry	5/5
PHYS 20	General Physics 1 and	
PHYS 21	General Physics 2	4/4
PHYS 5	Physics For Scientists and Engineers 1 (4) and	
PHYS 6	Physics For Scientists and Engineers 2 (4) and	
PHYS 7	Physics For Scientists and Engineers 3 (4)	4/4/
	Minimum Core Course Units:	18-2
Course Numbers	Support Courses	Units
Select one course fr	rom this list to complete the total units required	
MATH 61	Survey of Calculus	3
MATH 75	Calculus With Analytic Geometry 1(5)	
MATH 75* & 76	Calculus With Analytic Geometry 1 & 2	5/5
e transforma de la composición de la c	Minimum Support Course Units:	3-10

nalor and	d Certificate	e Requirements
Associa	ate Degree	Music: Instrumental
A.A Degree:	31 units listed below wi	th a minimum grade of "C" plus General Education and graduation requirements for a total of 60 units.
-	•	sic will not be awarded until the student has met these requirements to the satisfaction of the music e music faculty member in the Instrumental Emphasis area for more details.
Certificate:	Certificate not availabl	e.

A.A. DEGREE

The Associate of Arts degree in Music provides the Music major with the necessary course work and skills to transfer to upper division institutions or prepare for jobs as studio musicians, independent instrumental/vocal instructors, accompanists, church organists and choral directors.

The Music program offers four areas of emphasis: instrumental, vocal, keyboard, and theory/composition. All music majors must perform on the student recital both semesters, scheduled in May and December.

All music majors are advised to enroll in a piano class upon entrance into the department. Organ class may be substituted. Students with previous piano training may challenge the requirement with a member of the keyboard faculty. Failure to satisfy the challenge exam will result in continued registration in a piano/organ class. For a Bachelor of Arts degree from a four-year institution, each student majoring in music must enroll in a piano class until the departmental piano proficiency examination is passed or the Bachelor of Arts degree in Music will be denied.

Course Numbers	Core Courses	Units
MUS 4***	Comprehensive Musicianship I	
MUS 5	Comprehensive Musicianship II	
MUS 6	Comprehensive Musicianship III	
MUS 7	Comprehensive Musicianship IV	
MUS 54a-d	Symphony Orchestra (4 semesters, 2 units each) (8)	
· MUS 74a-d	Concert Band 1(4 semesters, 2 units each)	
	Minimum Core Course Units:	
	Note: Comprehensive Musicianship must be taken concurrently with Sympho	ny Orchestra or Concert

Course Numbers	Support Courses	Units
		••

Select 3 additional units from this list to complete the total units required.

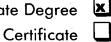
MUS 20 MUS 21 MUS 22 MUS 60a-d MUS 61a-d MUS 62a-d MUS 72a-d	Piano 1 Piano 2 Intermediate & Advanced Piano Brass Instruments Percussion Instruments Woodwind Instruments Jazz Ensemble 1	1 1 1-4 1-4 1-4
	Minimum Sunnart Caurae Uniter	2

Minimum Support Course Units:	3
Total Minimum Units Required:	31

***Music 4 has an advisory of Music 1.

****Enrollment in Music 54 and 74 require a departmental audition.

Associate Degree



A.A.Degree: 30 units listed below with a minimum grade of "C" plus General Education and graduation requirements for a total of 60 units. The AA degree in music will not be awarded until the student has met these requirements to the satisfaction of the music faculty. Please see the music faculty member in the Keyboard Emphasis area for more details. (See page 54.) Certificate: Certificate not available.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.A. DEGREE

The Associate of Arts degree in Music provides the music major with the necessary course work and skills to transfer to upper division institutions or prepare for job opportunities such as studio musicians, independent instrumental/vocal instructors, accompanists, church organists and choral directors.

The Music Program offers four areas of emphasis: instrumental, vocal, keyboard, and theory/composition. All music majors must perform on the student recital both semesters, scheduled in May and December.

All music majors are advised to enroll in a piano class upon entrance into the department. Organ class may be substituted. Students with previous plano training may challenge the requirement with a member of the keyboard faculty. Failure to satisfy the challenge exam will result in continued registration in a piano/organ class. For a Bachelor of Arts degree from a four-year institution, each student majoring in music must enroll in a piano class until the departmental piano proficiency examination is passed or the Bachelor of Arts degree in Music will be denied.

Course Numbers	Core Courses	Units
MUS 4***	Comprehensive Musicianship I	
MUS 5	Comprehensive Musicianship II	
MUS 6	Comprehensive Musicianship III	
MUS 7	Comprehensive Musicianship IV	
MUS 20	Piano I (1)	
or MUS 21	Piano 2 (1)	
or MUS 22a-d	Intermediate and Advanced Piano	1
	Performance in the student recital both semesters (May/December)	
	Minimum Core Course Units:	21
Course Numbers	Support Courses	Units
Select 6 additional u	units from this list to complete the total units required	
MUS 21	Piano 2	1
MUS 22a***	Intermediate/Advanced Piano (1)	
or MUS 23a	Organ I	1
MUS 22b	Intermediate/Advanced Piano (1)	
or MUS 23b	Organ II	1
MUS 22c	Intermediate/Adv Piano (1)	
or MUS 23c	Organ III	1
MUS 22d	Intermediate/Advanced Piano (1)	
or MUS 23d	Organ IV	1
or MUSIC 34a-d; 53a-d;		
174a-d	Two ensemble performance classes: Choir, Band, Orchestra, etc	2-4
Select 3 additional u	units from this list to complete the total units required.	
MUS 10	Appreciation of Music History and Literature	3
MUS 11	Appreciation of Jazz	3
MUS 13	Music of the World	3
	Minimum Support Course Units:	
	Total Minimum Units Required:	30
	***Music 4 has an advisory of Music 1 and Music 22a has an advisory of Music 21.	

mulor and	Certificate	e Requirements
AssociaCertifica	te Degree ate	Music: Theory/Composition
A.A. Degree:		ith a minimum grade of "C" plus General Education and graduation requirements for a total of 60 units.
	•	sic will not be awarded until the student has met these requirements to the satisfaction of the music e music faculty member in the Theory/Composition Emphasis area for more details. (See page 54.)
Certificate	•	e music faculty member in the Theory/Composition Emphasis area for more details. (See page 54.)

A.A. DEGREE

The Associate of Arts degree in Music provides the music major with the necessary course work and skills to transfer to upper division institutions or prepare for job opportunities such as studio musicians, independent instrumental/vocal instructors, accompanists, church organists and choral directors.

The Music Program offers four areas of emphasis: instrumental, vocal, keyboard, and theory/composition. All music majors must perform on the student recital both semesters, scheduled in May and December.

All music majors are advised to enroll in a piano class upon entrance into the department.

	Course Numbers	Core Courses	Units
	MUS 4***	Comprehensive Musicianship I	5
	MUS 5	Comprehensive Musicianship II	
	MUS 6	Comprehensive Musicianship III	
	MUS 7	Comprehensive Musicianship IV	
	MUS 20	Piano I (1)	
or	MUS 21	Piano 2 (1)	
or	MUS 22	Intermediate & Advanced Piano	1
		Performance in the student recital both semesters (May/December)	
		Minimum Core Course Units:	21
	Course Numbers	Support Courses	Units
	Select 9 additional u	nits from this list to complete the total units required.	
	MUS 21	Piano 2	
	MUS 22	Intermediate & Advanced Piano	
	MUS 126	Computerized Audio 1:Midi	
	MUS	Three or more music performance courses within a single area:	
		Instrumental, vocal, or keyboard.	6
		Student should have a major instrument/voice, especially at the lower division l	
		Minimum Support Course Units:	9
		Total Minimum Units Required:	30
		***Music 4 has an advisory of Music 1.	

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ca

Associate Degree

ate Degree	X
Certificate	

A.A Degree: 31 units listed below with a minimum grade of "C" plus General Education and graduation requirements for a total of 60 units. The AA degree in music will not be awarded until the student has met these requirements to the satisfaction of the music faculty. Please see the music faculty member in the Vocal Emphasis area for more details. (See page 54.) Certificate: Certificate not available.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.A. DEGREE

The Associate of Arts degree in Music provides the music major with the necessary course work and skills to transfer to upper division institutions or prepare for jobs as studio musicians, independent instrumental/vocal instructors, accompanists, church organists and choral directors. The Music Program offers four areas of emphasis: instrumental, vocal, keyboard, and theory/composition. All music majors must perform on the student recital both semesters, scheduled in May and December.

All Music majors are advised to enroll in a piano class upon entrance into the department.

Course Numbers	Core Courses	Units
MUS 4***	Comprehensive Musicianship I	
MUS 5	Comprehensive Musicianship II	
MUS 6	Comprehensive Musicianship III	
MUS 7	Comprehensive Musicianship IV	
MUS 31a	Intermediate Voice	
	Performance in the student recital both semesters (May/December)	
MUS 36a-d	Chambers Singers (first and second semesters, 2 units each)	4
	Minimum Core Course Units:	25

Course Numbers Support Courses

Units

Select 6 additional units from this list to complete the total units required.

MUS 20	Piano 1 (1)	
or MUS 21	Piano 2 (1)	
or MUS 22a-d	Intermediate & Advanced Piano	1
MUS 36a-d ****	Chamber Singers (third and fourth semesters, 2 units each)	2-4
MUS 34a-d ****	Concert Choir	2-8
MUS 31a-d	Intermediate Voice (second through fourth semesters)	1-3
	Minimum Support Course Units:	6
e de la companya de la compa	Total Minimum Units Required:	31

Music 4 has an advisory of Music 1 and Music 31a has an advisory of Music 30. *Enrollment in Music 34 and Music 36 requires a departmental audition.

Note: Music 36 requires concurrent enrollment in Music 34.

x X

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Associate Degree Certificate

Certificate courses with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. A.S. Degree: (See page 54.) Certificate: 30 units in courses listed below with a minimum of a "C"grade in all courses.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

Nursery Management is an ideal field for people with a "green thumb." Students work in a two-acre nursery area of the COS farm, propagating plants in the three large greenhouses, growing and maintaining house or garden plants, and learning to package them attractively for sale to retail and wholesale industries. Job opportunities in this field include nursery manager, owner and salesperson, grower production foreman, turf specialist, landscape estimator and nurseryman. Many of these required courses will transfer to universities.

Course Numbers	Core Courses	Units	
AGMT 108a-b	Introduction to Agriculture Computer Applications (1st semester)	3	ger en e
OH 2	Plant Identification 1		
OH 3	Plant Identification 2		
OH 7	Landscape Design		
OH 101	Basic Ornamental Horticulture		
OH 104	Nursery Practices		
OH 105	Plant Propagation		
OH 109	Landscape Maintenance		
WEXP 193	Occupational Cooperative Education/Internship		
	Minimum Core Course Units:	27	

Units

Select 3 additional units from this list to complete the total units required.

AG 3	Entomology Soils	3
AG 4		
AGMT 103	Introduction to Agricultural Management	3
AGMT 104	Agricultural Accounting	
AGMT 108a-b	Introduction to Agriculture Computer Applications (2nd semester)	
OH 106	Landscape Drafting	
OH 118	Xeriscape	3
OH 119	Xeriscape Interiorscape	
OH 129	Horticulture/Floral Business Management	3
OH 271	Basic Horticulture Skills	3
AG	Other Approved Agriculture Classes	
	With Approval of Department	3
	Minimum Support Course Units:	3
	Total Minimum Units Required:	30

Ornamental Horticulture

Associate Degree

ate Degree	x
Certificate	X

A.S. Degree:	Certificate courses with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units.
	(See page 54.)
Certificate:	30 units in courses listed below with a minimum of a "C"grade in all courses.
Transfer Students	s: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

Ornamental Horticulture Technology continues to be one of California's fastest growing industries. Students learn to grow and arrange plants and flowers, preparing for work in nursery production and operations, landscape drafting, design and construction, and plant care and maintenance. Many former COS students are now employed in ornamental horticulture and related agriculture fields as floral designers, cut flower growers, plant propagators, retail florists, production foremen, plant inspectors, pest control operators, and garden writers. Many of the courses will transfer to universities.

Course Numbers	Core Courses	Units
AGMT 108a-b	Introduction to Ag Computer Applications	
OH 2	Plant Identification 1	
OH 3	Plant Identification 2	
OH 101	Basic Ornamental Horticulture	
OH 104	Nursery Practices	
OH 105	Plant Propagation	
OH 106	Landscape Drafting	
OH 109	Landscape Maintenance	
WEXP 193	Occupational Cooperative Education/Internship (1st semester)	
	Minimum Core Course Units:	27
Course Numbers	Support Courses	Units
Select 3 additional u	nits from this list to complete the total units required.	
AG 3	Economic Entomology	
AG 4	Soils	
AG 103a-c	Applied Agriculture Practicums	
OH 7	Landscape Design	
OH 108	Landscape Construction	
OH 110	Turfgrass Management	
OH 111	Floral Design	
OH 113	Wedding Flowers	
OH 118	Xeriscape	
OH 119	Interiorscapes	
OH 121	Plant Combination Theory	3
OH 123	Silk and Dried Floral Design	
OH 271	Basic Horticulture Skills	
AG *	Other Approved Agriculture Classes	
	With Approval of Department	3
	Minimum Support Course Units:	3
	Total Minimum Units Required:	30



Associate Degree Certificate

 Degree:
 Degree not available.

 Certificate:
 The 12 unit program below with a minimum of a "C" grade in all courses.*

CERTIFICATE

The Basic Police Academy is designed for anyone who desires a career as a law enforcement officer. Peace officers must be certified, and the COS Academy is certified by the State of California Commission on Peace Officer Standards and Training (P.O.S.T.).

This intensive course prepares a person to enter full-time police work with all the basic skills necessary, including training in firearms, driver's training, CPR, intoxilizer, officer survival, community relations, patrol procedures, investigation, traffic enforcement, cultural awareness, and criminal law. Students must be in good physical health, over 18 years of age, and have no felony record.

Course Numbers	Core Courses U	nits
AJ 200	Basic Police Academy Prerequisite: High school graduate, no felony convictions, passing score on P.O.S.T. reading and writing test	12*
or		
AJ 200M1 AJ 200M2	Basic Police Academy - Module 1 (1.5 Units) Basic Police Academy - Module 2 (2 Units)	
AJ 200M3 AJ 200M4	Basic Police Academy - Module 3 (4 Units) Basic Police Academy - Module 4 (4.5 Units)	12*
	Total Minimum Units Required (860 hrs) :	12*
	All applicants must:	
	Be in good physical health Be certified by a doctor to participate in a strenuous physical activity program Have a high school diploma or GED Be over 18 years of age	I
	Have no felony convictions Have a valid California drivers license Pass the academy pretest	
	Have a California Department of Justice Fingerprint Clearance to possess a	firearm
	A material fee is charged in addition to normal college fees.	
	Interested persons should contact the law enforcement training department, prior to registering for the course and for details of the application process.	(559) 730-3752,
Prerequisite:	Passing score on the P.O.S.T. Entry Level Reading and Writing Test. This is standardized examination administered at the college for no charge by the St California Commission on Peace Officer's Standards and Training.	
*Special Note:	The College is in the process of changing the number of units awarded for individuals completing the P.O.S.T. Basic Police Academy. Contact the Police Academy Office for more details. (559) 730-3752.	

Paralegal

Associate Degree

Certificate

X

X

Approved by the American Bar Association. Established Fall, 1984

The Associate of Science degree in Paralegalism requires at least 60 units of satisfactory work, only four of which can be "Internship". Thirty units must be selected from the core and support paralegal courses listed below. Students must select 18 General Education units and 2 computer courses from the courses listed on this page. A legal assistant or paralegal is a person qualified by education, training or work experience who is employed or retained by a lawyer, law office, corporation, governmental agency or other entity and who performs specifically delegated substantive legal work for which a lawyer is responsible. A paralegal is <u>not an attorney</u> and therefore cannot give legal advice or represent another in court except under very limited circumstances provided by law.

Admissions Requirement: A student admitted to the program must have a high school diploma or the equivalent as established by the department.

Certificate: 37 units. Available only with approved general education coursework listed on the next page (18 units plus computer requirement courses) or an Associate Degree or a Bachelor's Degree plus 30 units of Paralegal courses and required computer courses. <u>NOTE: This certificate is pending Chancellor's Office Approval.</u>

A.S. Degree: Thirty paralegal units listed below, plus the computer requirements and general education courses approved for the paralegal major as well as other graduation requirements such as Math, U. S. History and Health and Wellness courses for a total of 60 units.

Transfer: This is **NOT** a four-year transfer program or a Pre-law program. Preparation requirements for a law major vary from university to university. Some of the courses included in this program may fulfill transfer requirements. Students planning to transfer to a four-year school are encouraged to review specific requirements with a counselor and check the major sheet of the university they plan to attend.

Course Numbers	Core Courses	Unit
PARA 101	Introduction to Paralegalism (F/S)*	
PARA 102	Legal Terminology (F/S)*	
PARA 103	Civil Procedure I (F/S)*	4
PARA 104	Civil Procedure II (S)*	
PARA 105	Legal Research & Writing I (F/S)*	
PARA 110	Legal Ethics, Management, and Interviewing (F/S)*	
PARA 193	Internship (F/S)*	2
PARA 237	Family Law (F/S)*	
	Minimum Core Course Units:	
	*(F/S means the course is offered in the Fall and Spring)	
Course Numbers	Support Courses	Unit
PARĀ 206	Advances in Legal Research	
PARA 232	Wills, Trusts and Elder Law	2
PARA 233	Probate Procedures	2
PARA 235	Bankruptcy	
PARA 236	Administrative Law	
PARA 160	Criminal Law Terms in Spanish	
PARA 194	Internship	
PARA 299	Topics in the Law	
ACCT 1, 101, or 287	Accounting	
BUS 18	Business Law	
	(Only one Administration of Justice course is allowed)	
AJ 112	Criminal Evidence (3)	
AJ 115	Criminal Law II	
	Minimum Support Course Units:	
Course Numbers	Computer Course Requirements (two courses) one from each list.	Units
COMP 5 or COMP 130	Intro to Computer Info Systems (4) or Intro to Personal Computer Operations (4)	
COMP 136 or COMP 140	Word Process Using Word Perfect (3) or Windows and DOS (3)	
COMP 221a-d & 223a-d	Beginning Word and Beginning Excel (1.5 + 1.5=3)	
	Minimum Computer Course Requirement Units:	

Continued on the next page.

Associate DegreeCertificate

Paralegal

Approved by the American Bar Association. Established Fall, 1984

GENERAL EDUCATION FOR PARALEGAL MAJOR

Take one class from each area (18 units plus required computer courses) :

(Plus graduation requirements such as Math. US History and Health and Wellness)

- Area A1: English 1, 1H;CLEP English Examination (Test 1) Note: Grade of *C* or higher required in area A1
- Area A2: English 2; Journalism 7; Government 7, 25; Philosophy 20, 25; Speech 1, 4, 5, 7, 8

GE & Grad Requirements 6

found on this page. The courses in parentheses are recommendations only.

- Area B: Any science course on the CSU or IGETC GE Pattern; CLEP Natural Science Examination (Test III) (Leb Science recommended)
- Area C: Anthropology 4, 5, 5H; Art 1, 2, 3; English 4, 10, 15–46; Music 10, 11, 13;Foreign Language (1-199); Philosophy (1-199); Sign Language (1-199) Spanish 12; CLEP Humanities Examination (Test IV)
- Area D: AJ11, 114; Anthropology 10; Government 5, 5H, 7, 25; Psychology 5, 39; Economics 1, 2; Geography 2, 3; Sociology 2 History 4, 5, 5H, 17, 18, 18H, 19, 20, 23, 31; CLEP Social Science/History Examination (Test II)
- Area E: Any additional 3 units from any of the above listed courses OR Psychology 1, Soc. 1, 26.

	D SCHEDULE AS Degree in Paralegalism - 60 Units
First Semester	Second Semest
PARA 101	PARA 103 4
PARA 102 1	PARA 110 3
COMP 5, 130 4	Area B (Science) 3
Area A1 (ENGL 1) 3	Area C (PHIL 20,25)
Area A2 (BUS 25) 3	COMP 140,136 or
HW 1, 7, 104 3	221 and 223 3.
Keyboarding 1-3	,
eral Education credit are completed or concurrent	not be taken until computer courses and at least a transfer the advanced courses.
Third Semester	Fourth Semester
PARA 105 4	PARA 104 (Spring only)
PARA 193 1	PARA 237
Paralegal Elective 3	Paralegal Internship 1
5	

First Semester	Second Semester	Summer or Third Semester
PARA 101 PARA 102 PARA 103 PARA 110 COMP 5, 130	PARA 104 (Spring only) PARA 105 PARA 193 (Internship) PARA 237 COMP 140, 136, or 221 and 223	PARA Electives (4 Units) PARA 194 (Internship)
Total 15	Total 15	Total 7

164

Pharmacy Technician

Associate Degree

ate	Degree	
Ce	rtificate	X

Degree: Certificate: Degree not available. The 10 unit program below with a minimum of a "C" grade in all courses.

CERTIFICATE

This is a 10 unit Pharmacy Technician certificate program that can be completed in two (2) semesters. The program will prepare the student for an entry level position as a Pharmacy Technician in a retail or hospital pharmacy. After successful program completion, the student is eligible for California State Pharmacy Technician registration.

The curriculum for this program is adapted from the "Model Curriculum for Pharmacy Technician Training' which was developed by the American Society of Health-System Pharmacists under the guidance of a steering committee comprised of representatives from the American Association of Colleges of Pharmacy, the American Pharmaceutical Association, the Pharmacy Technicians Educators Council, and the American Association of Pharmacy technicians. Copyright ASHP 1996.

Course Numbers	Core Courses	Units
PT 210	Introduction to Health Systems	
PT 211	Pharmacy Technician Theory 1	
PT 212	Pharmacy Technician Practice 1	
PT 220	Pharmacy Technician Practice 2	
PT 221	Pharmacy Technician Theory 2	
PT 222	Pharmacy Technician Externship	
	Total Minimum Units Required:	

X

Associate Degree Certificate

Physical Education

 A.A. Degree:
 30 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

 Certificate:
 Certificate not available.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.A. DEGREE

The Physical Education major may find employment in recreational programs or transfer to a four-year institution to become qualified as an instructor or to pursue a career in athletic coaching.

	Course Numbers	Core Courses	Units
	BIOL 30	Anatomy	
	BIOL 31	Physiology	
	HW 1	Personal & Community Hygiene	
	HW 3	Standard First Aid	
	HW 60/SMED 60	Concepts of Health & Fitness	
	HW 119	Nutrition for Fitness (3)	
or	NUTR 119	Nutrition for Fitness	3
	PE 36	Introduction to Physical Education	
	PE Activity	Minimum of 4 units in PE Activity	
		Minimum Core Course Units:	27
	Course Numbers	Support Courses	Units
	Select additional 3	3 units from this list to complete the total units required.	
	HW 7	Sports Health	3
	PE 37	Introduction to Coaching	
	PE 188	Peak Performance for Athletes	
	SMED 40	Care & Prevention of Athletic Injuries	
		Minimum Support Course Units:	

Total Minimum Units Required:	 30

Physical Science

Associate Degree

Certificate



 A.S. Degree:
 30 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

 Certificate:
 Certificate not available.

 Transfer Students:
 Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.S. DEGREE

The Physical Science major provides the student with a full range of lower division courses in the physical sciences. This major will not replace lower division coursework necessary for discipline-specific majors in chemistry, geology or physics. Employment opportunities would be limited to employers requiring entry level skills in the applied physics/sciences.

	Course Numbers	Core Courses	Units
	CHEM 1 CHEM 2	General Chemistry General Chemistry	
and	PHYS 20 PHYS 21	General Physics 1(4) General Physics 2 (4)	8
01	PHYS 5 PHYS 6 PHYS 7	Physics for Scientists and Engineers 1 (4) Physics for Scientists and Engineers 2 (4) Physics for Scientists and Engineers 3 (4)	12
	GEOL 1	Physical Geology	
or	MATH 75 MATH 21	Calculus with Analytic Geometry 1(5) Introduction to Statistics (4)	4 or 5
		Minimum Core Course Units:	26
	Course Numbers	Support Courses	Units
	Select additional	units from this list to complete the total units required.	
	MET 1 MATH 76 GEOL 12	Elementary Meteorology Calculus with Analytic Geometry 2 Environmental Geology	
or	BIOL 1 BIOL 20	Principles of Biology (5) Frontiers in Biology (4)	4 or 5
	GEOG 1	Physical Geography	3
		Minimum Support Courses	4
		Total Minimum Units Required	30

X

Associate Degree Certificate

 A.S. Degree:
 33 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.)

 Certificate:
 Certificate is not available.

 Transfer Students:
 Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

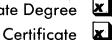
A.S. DEGREE

The primary benefit of this degree to the student would be the ability to transfer to a four-year institution with less difficulty. This type of focus is generally an enhancement to a student's transcript and resume. Employment opportunities with the A.S. Degree would be limited to employers requiring apprentice level skills in applied mathematics and/or physics.

Course Numbers	Core Courses	Units
MATH 75	Calculus With Analytic Geometry 1	5
MATH 76	Calculus With Analytic Geometry 2	5
MATH 77	Calculus With Analytical Geometry 3	
MATH 80	Linear Algebra	3
MATH 81	Differential Equations	
PHYS 5	Physics For Scientists and Engineers 1	4
PHYS 6	Physics For Scientists and Engineers 2	
PHYS 7	Physics For Scientists and Engineers 3	
	Total Minimum Units Required:	33

Pl	an	t S	cie	nce
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Associate Degree



A.S. Degree: Certificate courses with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.) Certificate: 30 units in courses listed below with a minimum of a "C" grade in all courses. Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

One of the greatest challenges to mankind is to produce enough food and fiber for future generations. To meet this need, students in the Plant Science Program study all aspects of crop production that will maximize yields as well as profits. Working on the COS Farm, they receive practical as well as technical experience in soils, irrigation, weed control, plant diseases and pests, fertilizers, and cultivation of crops. Good job opportunities exist in farming, irrigation and crop production as well as related industries such as equipment sales, fertilizers, plant protection and consulting. Major universities offering agriculture programs offer a variety of courses that will lead to degrees in Plant Science.

Course Numbers	Core Courses	Units
AG 3	Economic Entomology	3
AG 4	Soils	
AG 105	Fertilizer	3
AGTC 108	Irrigation	3
AGMT 108a-b	Introduction to Agriculture Computer Applications (1st semester)	
PLSI 1	Introduction to Plant Science	3
WEXP 193	Occupational Cooperative Education/Internship (1st semester)	
	Minimum Core Course Units:	21

Course Numbers Support Courses

Units

Select 9 additional units from this list to complete the total units required.

AG 200	Orientation to Agriculture	1
AGTC 104	Farm Machinery Fruit and Nut Tree Production	3
PLSI 12	Fruit and Nut Tree Production	3
PLSI 102	Row Crops	3
PLSI 103	Cereals and Oil Crops	3
PLSI 104	Row Crops Cereals and Oil Crops Forage Crops	3
PLSI 105	Weeds and Weed Control Citrus Production	3
PLSI 111	Citrus Production	3
PLSI 113	Grape and Vine Production	3
PLSI 271	Plant Science Industry	3
AG	Other Approved Agriculture Classes	
	With Approval of Department	3
	Minimum Support Course Units:	9
	Total Minimum Units Required:	30

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Associate Degree Certificate

Degree:Degree not available.Certificate:9 units in courses listed below with a minimum of a "C" grade in all courses.

CERTIFICATE

This certificate program is designed to prepare students to enter the plumbing installation and repair industry.

Course Numbers	Core Courses	Units
CT 175 CT 205a-b	Building Inspection and Supervision - Plumbing	
	Minimum Core Course Units:	
Course Numbers	Support Courses	Units
Select additional un	its from this list. for further study.	
ITEC 201	Technical Mathematics	
	Minimum Support Course Units:	0
	Total Minimum Units Required:	

Real Estate

Associate Degree



Degree: Degree not available. Certificate: 29 units in courses listed below with a minimum of a "C" grade in all courses.

CERTIFICATE

The COS Real Estate program gives introductory training which is helpful in studying for the state Real Estate license, and it provides continuing education for people seeking license renewal.

Real Estate is an exciting and energetic business with large amounts of money at stake. Real estate professionals bring together buyers and owners of property to work transactions. Working under the supervision of a real estate broker, they sell, exchange and rent real estate for clients. Tasks include obtaining "listings" (agreements to sell property), locating potential customers, making appraisals, showing property, negotiating agreements, renting and managing property and developing new building projects.

Course Numbers	Core Courses	Units
BUS 18	Business Law	
BUS 185	Ethics in Business and Industry	
COMP 130	Introduction to Personal Computers	
COMP 229	Web Page Design & Development	
REAL 140	Real Estate Principles	
REAL 141	Real Estate Finance (3)	
or REAL 142	Real Estate Law	
REAL 143	Real Estate Economics	
REAL 144	Real Estate Practice	
REAL 145	Real Estate Appraisal	
	Minimum Core Course Units:	

Course Numbers Support Courses

Units

Select additional units from this list for further study.

	Total Minimum Units Required:	29
	Minimum Support Course Units:	0
SPCH 1	Fundamentals of Public Speaking	3
COMP 228	Introduction to the World Wide Web	1
COMP 140	Windows and DOS	
BUS 231	Starting a New Business	
or ACCT 1	Principles of Accounting (4)	4 or 5
ACCT 101	Essentials of Accounting (5)	

	X	
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Associate Degree Certificate

Registered Nursing

A.S. Degree: 87 units with a minimum "C" grade plus General Education and graduation requirements. (See page 54.) Special note: The College is in the process of reducing units for this degree pending the Board of Registered Nursing approval. **Certificate:** Certificate is not available.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.S. DEGREE

The Registered Nursing major at College of the Sequoias is a two-year program leading to an A.S. Degree. The program is approved by the California Board of Registered Nursing, and successful completion of the requirements gualifies the graduate to sit for the National Licensing Examination for Registered Nurses. The successful R.N. may begin employment in a wide variety of entry level positions. Jobs are readily available and there is full employment for those who choose to work. Graduates of this program are readily accepted at university-level baccalaureate programs and enter into upper division nursing courses.

High school preparation for Nursing should include a good foundation in math, science and English. Job shadowing is available at local hospitals. A career ladder exists: C.N.A. to L.V.N. to R.N. to B.S.N. to M.S.N. Starting pay is \$18 to \$20 per hour for three to four 12 hour shifts per week.

Admission Requirements: 1. Graduation from an accredited high school or GED equivalency. 2. GPA of 2.5 or higher over all and on all required pre-nursing courses. 3. All qualified candidates may apply. 4. Residents of the COS district receive priority. Residents of adjacent districts, which do not have a Registered Nursing Program, have second priority.

•	Course Numbers	Core Courses	Units
	BIOL 30	Human Anatomy	4
	BIOL 31	Human Physiology ^A	
	BIOL 40	General Microbiology #	4
	CHEM 20	General Chemistry@ College Reading and Composition***	4
	ENGL 1	College Reading and Composition***	3
	NUTR 18	Nutrition	3
	PSYC 1	General Psychology*	3
	SOC 1	Introduction to Sociology*(3)	
or	ANTH 10	Cultural Anthropology (3)*	•
or	NURS 106	Cultural Anthropology	3
	SPCH 1	Fundamentals of Public Speaking* (3)	
or	SPCH 4	Interpersonal Communications (3)*	
or	SPCH 8	Group Communication	3
		Minimum Prerequisite Units:	31
Other c	ourses required for gradua	tion (A.S. Degree):	
	GENERAL EDUCATION	Humanities Course (COS Area C)	3
	HIST 17	The People of the United States*(3)	
or	HIST 18	The People of the United States (3)*	
or	GOVT 5	The People of the United States (3)* Federal State and Local Government	3*
		Additional Required Units for A.S. Degree:	6
Nursina	coursestaken after admi	ssion into the program:	
	NURS 101	Registered Nursing Theory 1	11
	NURS 102	Registered Nursing Theory 1 Registered Nursing Theory 2	
	NURS 103	Registered Nursing Theory 3	12
	NURS 104	Registered Nursing Theory 4	13
	NURS 122	Foundations for Nursing Practice	2
		Minimum Required Course Units:	50
		Total minimum Units Required:	
		lotal minimum onite Reduitar.	
	Personmended Preserve	tion: ENGL 251 of any indeptionland course with ICI or botton or allability for ENGL 1 an	- 000
	Placement Test.	tion: ENGL 251 or equivalent college level course with "C" or better, or eligibility for ENGL 1 pe	1005
***	Prerenuisite FNGL 251	with a "C" or better, or eligibility for ENGL 1 per COS Placement Procedures	
@	MATH 200 or 205 with "	C" or eligibility for MATH 230 per COS Placement Procedures. Recommended preparation: CH	EM 253 or equivelent
	college course with "C"	or better, or high school chemistry with "C" or better in both semesters.	Lin 200 of oquivalont
۸	Advisory on Recommen	ded Preparation: BIOL 30 and CHEM 1 or 20 or equivalent course with "C" or better.	
#	Prerequisite: CHEM 20	with a "C" or better, or eligibility for ENGL 1 per COS Placement Procedures. C" or eligibility for MATH 230 per COS Placement Procedures. Recommended preparation: CH. or better, or high school chemistry with "C" or better in both semesters. ded Preparation: BIOL 30 and CHEM 1 or 20 or equivalent course with "C" or better. or equivalent course with "C" or better and any college level biology course.	

Prerequisites (must be taken before program admission):

172 College of the Sequoias May, 2001

Sequoia Theatre Conservatory Theatre Arts/Acting

Letter of Completion

 Please Note:
 This is not an approved major or certificate program which has been approved by the College of the Sequoias Community College District. Interested students should contact the Fine Arts Department.

 Letter of Completion:
 Completion of either one of the two, forty-eight unit programs below with a minimum grade of "C" in all courses.

LETTER OF COMPLETION

The Sequoia Theatre Conservatory is designed for the career-oriented theatre student. This **two year** training program is rigorous and disciplined, with a curriculum established to meet the vocational demands of the profession. Students are encouraged to develop their own unique personal resources in an atmosphere of mutual trust and support. The conservatory environment places a premium on personal discipline, high standards, and a positive attitude.

The Conservatory program offers two emphases, each with its own set of requirements: acting and technical. The Acting emphasis includes a wide range of acting styles and techniques such as Musical Theatre and Shakespeare. The Technical emphasis includes experience in all aspects of theatre work behind the scenes such as lighting design and set construction. In addition, flexible enrollment options will prepare transfer-track students for successful entry into the most prestigious university theatre programs in the country.

Course Numbers	Core Courses	Units
DRAM 1	Introduction to the Theatre	
DRAM 2	Fundamentals of Acting I	
DRAM 3	Fundamentals of Acting 2	
DRAM 4	Intermediate Acting 1	
DRAM 5	Intermediate Acting 2	
DRAM 6	Shakespeare	
DRAM 130a-b	Stage Movement/Stage Combat	
DRAM 140a-b	Musical Theatre	
DRAM 180a-d	Communication Strategies (4 semesters/2 units each)	
	Minimum Core Course Units:	

Course Numbers Support Courses

Units

Select 15 additional units from this list to complete the total units required.

DANC 6a-d Choreography	3
DANC 6a-d Choreography DRAM 8 History of Theater and Drama	
DRAM 12a-b Costuming (First semester)	
DRAM 13a-b Beginning Stagecraft (First semester)	
DRAM 15a-b Beginning Stage Lighting (First semester)	
DRAM 17a-b Make-up (First semester)	
DRAM 19a-b Theatre Arts Workshop I (2 semesters/2 units each)	4
DRAM 21a-b Theatre Arts Workshop II (2 semesters/2 units each)	
DRAM 101a-d Introduction to TV Production	
DRAM 20a-b Musical Theatre Performance	
DRAM 202 Acting for the Camera	
MUS 30a-d Voice	3
Minimum Support Course Units:	15
Total Minimum Units Required:	48

Letter of Completion

Sequoia Theatre Conservatory Theatre Theatre Arts/Technician

Please Note:

Letter of Completion:

This is not an approved major or certificate program which has been approved by the College of the Sequoias Community College District. Interested students should contact the Fine Arts Department. Completion of either one of the two, forty-eight unit programs below with a minimum grade of "C" in all courses.

LETTER OF COMPLETION

The Sequoia Theatre Conservatory is designed for the career-oriented theatre student. This **two year** training program is rigorous and disciplined, with a curriculum established to meet the vocational demands of the profession. Students are encouraged to develop their own unique personal resources in an atmosphere of mutual trust and support. The conservatory environment places a premium on personal discipline, high standards, and a positive attitude.

The Conservatory Program offers two emphases, each with its own set of requirements: acting and technical. The Acting emphasis includes a wide range of acting styles and techniques such as Musical Theatre and Shakespeare. The Technical emphasis includes experience in all aspects of theatre work behind the scenes such as lighting design and set construction. In addition, flexible enrollment options will prepare transfer-track students for successful entry into the most prestigious university Theatre programs in the country.

Course Numbers	Core Courses	Units
DRAM 1	Introduction to the Theatre	
DRAM 2	Fundamentals of Acting I	
DRAM 12a-b	Costuming	
DRAM 13a-b	Stagecraft	
DRAM 14a-b	Intermediate Stagecraft	
DRAM 15a-b	Beginning Stage Lighting	
DRAM 16a-b	Intermediate Stage Lighting	
DRAM 17a-b	Make-up	
DRAM 19a-b	Theatre Arts Workshop I (2 semesters/2 units each)	
DRAM 21a-b	Theatre Arts Workshop II (2 semesters/2 units each)	
	Minimum Core Course Units:	32

Course Numbers Support Courses	ourse Numbers	Support Courses	
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Units

Select 16 additional units from this list to complete the total units required.

ART 2	Art History	3
ART 3	Art History	3
DRAM 3	Fundamentals of Acting 2	
DRAM 6	Shakespeare	3
DRAM 20a-b	Musical Theatre Performance	2
DRAM 101a-d	Introduction to TV Production	4
DRAM 130a-b	Stage Movement/Stage Combat	4
DRAM 140a-b	Musical Theatre	3
	Minimum Support Course Units:	16
	Total Minimum Units Required:	48

Social	Science
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Associate Degree

Certificate

Units



A.A. Degree: 30 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.) Certificate: Certificate not available.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.A. DEGREE

A multidiscipline curriculum for students with a wide range of interests in human problems, the Social Sciences major is designed to provide a liberal arts education and supply insights and tools for a variety of employment opportunities in government services, business, commerce, and industry. It may also lead to advanced degrees and elementary and secondary teaching qualifications in the area of social studies or any of the social sciences.

Course Numbers	Core Courses	Units
GEOG 2	World Regional Geography	
HIST 17	The People of the United States (3)	
· HIST 18	The People of the United States	
PHIL 25	Critical Thinking	
PSYC 1	General Psychology	
GOVT 5	Federal, State, and Local Government	
SOC 1	Introduction to Sociology	

Course Numbers Support Courses

Select 12 units from this list to complete the total units required.

		Total Minimum Units Required:	30
		Minimum Support Course Units:	12
	PHIL 5	Ethics	3
or	HIST 18	The People of the United States	3 .
	HIST 17	The People of the United States (3)	
	GEOG 3	Cultural Geography	3
	ETHN 104	Asian American Studies	3
	ETHN 3	Mexican American Studies	
	ETHN 2	American Indian Studies	3
	ETHN 1	Black American Studies	3
	ECON 1	Principles of Economics	3
	ANTH 10	Cultural Anthropology	3
	AJ 11	Introduction to Criminal Justice	3

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Associate Degree Certificate

A.A. Degree: 21 units with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.) Certificate not available. **Certificate:** Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.A. DEGREE

Many career opportunities are available for students who are proficient in both English and Spanish. After completing an A.A. degree in Spanish, a student is able to engage in conversation, understand the essential points of a narrative or explanation, read and comprehend some literature and most factual information addressed to a general reader, and write summaries, descriptions or events, and correspondence. Business, finance, education, health care, social services, travel, and interpreting are some of the fields that a student could enter with a Spanish major.

Course Numbers	Core Courses	Units
HIST 23	Mexican-American History	
SPAN 4	Advanced Spanish	
SPAN 12	Hispanic Literature	
	Minimum Core Course Units:	10

Course Numbers	Support Courses
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Units

Select 11 additional units from this list to complete the total units required.

ART 4, 5	Pro-Columbian Art	
ENGL 10	Chicano Literature	. 3
GEOG 3	Cultural Geography	. 3
SPAN 1	Elementary Spanish	. 4
SPAN 2	Elementary Spanish	. 4
SPAN 3	Intermediate Spanish	
SPAN 22	Spanish for Bilingual Students	
SPAN 23	Spanish for Bilingual Students	. 4
	Minimum Support Course Units:	. 11
	Total Minimum Units Required:	. 21

Speech Communication

Associate Degree



A.A. Degree: 30 units in courses with a minimum "C" grade plus General Education and graduation requirements for a total of 60 units. (See page 54.) Certificate: Certificate not available.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

A.A. DEGREE

The Speech Program is designed to prepare students to continue studies toward a B.A. degree in Speech Communication or enter the work force with competent communication skills. Employment opportunities can be very diverse from College Professor in Speech Communications, to Public Relations or Personnel Officer within a corporation, to a career in Mass Communications such as radio and television.

Course Numbers	Core Courses	Units
SPCH 1	Fundamentals of Public Speaking	3
SPCH 3	Oral Interpretation	
SPCH 4	Interpersonal Communication	
SPCH 5	Argumentation and Debate	
SPCH 7	Persuasion	
SPCH 8	Group Communication	
SPCH 9	Intercultural Communication	
	Minimum Core Course Units:	21

Course Numbers Support Courses

Select 9 additional units from this list to complete the total units required.

PHIL 10 PHIL 25 MATH 21	Development of Western Philosophy Critical Thinking Introduction to Statistics	3
SPCH 151	Independent Study in Speech Communication	
	Minimum Support Course Units:	9
	Total Minimum Units Required:	30

Units



Associate Degree Certificate

Veterinary Technician

Degree:Degree not available.Certificate:The 17-unit program below with a minimum of a "C" grade in all courses.

CERTIFICATE

The Veterinary Technician program gives students entry level training in animal health care. Instruction is offered in nutrition, diseases and sanitation, small animal care, as well as basic livestock handling. Upon completion of the coursework and after completing state licensing criteria, students may find employment as veterinary technicians and veterinary assistants. Many of the courses are transferable to universities for degrees in Animal Science areas.

Course Numbers	Course Names	Units
ASCI 104	Animal Diseases and Sanitation	3
ASCI 109	Basic Skill/Veterinary Assistant	3
ASCI 113	Farm Animal Biology	
ASCI 115	Infectious Diseases of Small Animals	
ASCI 116	Veterinary Office Practices	3
AG 193	Occupational Cooperative Education/Internship (1-3) [1st semester]	
	Minimum Core Course Units:	17

Course Numbers	Support Courses	Units

Select additional units from this list for further study.

	Total Minimum Units Required:	. 17
	Minimum Support Course Units:	. 0
A001 120		
ASCI 123	Horse Production	3
ASCI 112	Sheep Production	. 3
ASCI 111	Beef Production	. 3
ASCI 110	Swine Production	
BIOL 22	Animal Biology/Lab	. 3
		-

Waste Water Treatment

Associate Degree

Certificate

Degree: Certificate: Degree not available.

6 units in courses listed below with a minimum of a "C" grade in all courses.

CERTIFICATE

This certificate program is designed to prepare students for the California State Certification Exams in Water Treatment Operator and Wastewater Treatment Plant Operator.

Course Numbers	Core Courses	Units
ITEC 220	Water Treatment Fundamentals	
ITEC 221	Wastewater Treatment Fundamentals	3
	Total Minimum Units Required:	6

For more information, please contact: Dean, Vocational Education, (559) 730-3808, or Division Chairperson for Industry and Technology, (559) 730-3777.

Major and Certificate Requirements



Associate Degree Certificate

Welding Technology

A.S. Degree: The 30-unit program below with a minimum of a "C" grade in all <u>required</u> courses, **plus** General Education and graduation requirements for a total of 60 units. (See page 54.)

Certificate: 30 units in courses listed below with a minimum of a "C" grade in all courses.

Transfer Students: Transfer preparation varies from university to university. Meet with a COS counselor to review requirements.

CERTIFICATE

California is one of the leading employers of welders in the United States. Qualified welders are needed both in our valley agriculture industries and in our urban industries. The Welding Technology Certificate can lead to careers in food processing installation, fabrication in a variety of industries, construction and repair.

Course Numbers	Core Courses	Units	
AG 193	Occupational Cooperative Education/Internship		
AGTC 210a-d	Project Construction		
WELD 161	Oxy-Acetylene Welding	4	
WELD 162	Shielded Metal Arc Welding		
WELD 171	Advanced Welding I		
WELD 172	Advanced Welding II	4	
WELD 181	Blueprint Reading/Ferrous Metal		
	Minimum Core Course Units:	23	

Units

Select 7 additional units from this list to complete the total units required.

AG 193	Occupational Cooperative Education/Internship	1-3
AGTC 101	Basic Farm Mechanics	
AGTC 106a-d	Farm Welding	3
AGTC 212	Welding Power Source & App	1
SPCH 4	Interpersonal Communications	3
WELD 105a-c	Basic Metalcraft Welding & Forging	
WELD 106	Forging & Wrought Iron	
WELD 173	Stainless Steel Welding	
WELD 274	Aluminum Welding	2
	Minimum Support Course Units:	7
	Total Minimum Units Required:	

Major and Certificate Requirements

Word Processing

Associate Degree Certificate

X

Degree not available.

Degree: Certificate:

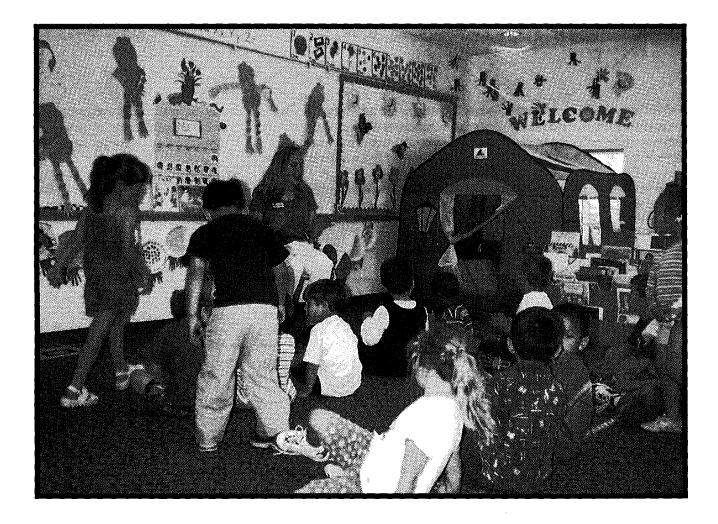
The 30-unit program below with a minimum of a "C" grade in all courses.

CERTIFICATE

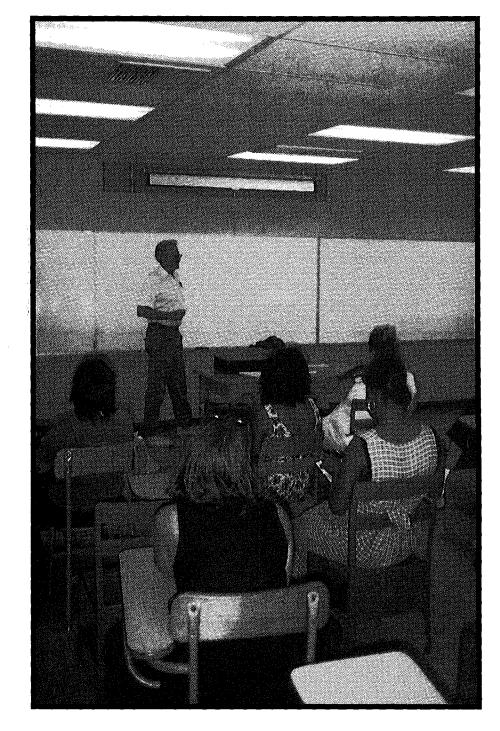
The Word Processing Program teaches concepts, procedures, and terminology, as well as the skills necessary to operate computers. To be prepared for the information explosion in today's high tech office, the employee must be prepared to produce high-quality written documents. By becoming computer proficient, students completing this program will be able to produce the written documents needed to make requests, explain, illustrate, and convince. In addition, students will know where and how to access information.

The high performance employer today needs word processors for the information explosion occurring in the global business arena. Word processing specialists find jobs in the automated office utilizing personal computers and various software packages such as word processing, database management, desktop publishing, and spreadsheets.

Course Numbers	Core Courses	Units
BUS 271	College Keyboarding, Level 2	3
BUS 184	Business Communications	
BUS 293	Business English	4
COMP 135	Desktop Publishing for Business	4
COMP 136	Word Processing Using WordPerfect	
COMP 140	Windows & DOS (3)	
or COMP 221a-d	Beginning Word (1.5)	3 or 1.
COMP 222a-d	Advanced Word	1.5
COMP 227	Presentation Software for Business	1.5
COMP 228	Introduction to the World Wide Web	
	Minimum Core Course Units:	22.5-2
Course Numbers	Support Courses	Units
- <u></u>		
- <u></u>	Support Courses Its from this list to complete the total units required.	Units
Select additional uni	Support Courses its from this list to complete the total units required. Introduction to Business	<u>Units</u>
Select additional uni BUS 82 BUS 188	Support Courses its from this list to complete the total units required. Introduction to Business Human Relations in Business	<u>Units</u> 3 3
Select additional uni BUS 82 BUS 188 BUS 260	Support Courses its from this list to complete the total units required. Introduction to Business Human Relations in Business Career Dressing	<u>Units</u> 3 3 1
Select additional uni BUS 82 BUS 188 BUS 260 BUS 268	Support Courses Its from this list to complete the total units required. Introduction to Business Human Relations in Business Career Dressing Electronic Calculating	Units
Select additional uni BUS 82 BUS 188 BUS 260	Support Courses its from this list to complete the total units required. Introduction to Business Human Relations in Business Career Dressing	Units
Select additional uni BUS 82 BUS 188 BUS 260 BUS 268 COMP 220	Support Courses Its from this list to complete the total units required. Introduction to Business Human Relations in Business Career Dressing Electronic Calculating Essential Computer Concepts	Units



"A teacher affects eternity; he can never tell, where his influence stops. " Henry Brooks Adams



"A scholar who cherishes the love of comfort is not fit to be deemed a scholar."

Lao Tzu

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Course Numbering System at College of the Sequoias

The Course Numbering System provided below is to help our students easily identify those courses needed as they plan their studies at College of the Sequoias.

All courses numbered 299 or lower are associate degree credit courses. They can be applied toward the 60 unit AA/AS graduation requirement and for vocational certificates.

Course Numbers	Explanation
1-99	Courses accepted by the University of California system. For specific course articulation (equivalency), consult the Counseling Office or the Transfer Center.
1-199	Courses accepted by the California State University system and most other four-year colleges and universities. For specific course to course articulation (equivalency), consult the Counseling Office or the Transfer Center.
200-299	Associate degree applicable. Although not intended for university transfer, these courses may be accepted by some colleges in certain majors, especially if provided for in an articulation agreement.
300-399	College credit, Non-degree applicable, and basic skill courses. Effective the Spring semester,1996, students enrolled in the 300 series (Course Number) of classes will be graded on an "A," "B," "C," and "No credit" basis.
400	Noncredit, general courses

ACCOUNTING

ACCT 1 PRINCIPLES OF ACCOUNTING **4 UNITS 5** Lecture/Discussion Hours:

A course that introduces students to fundamental business organization; recording of business financial activities; accounting statements preparation and interrelationships; and the analysis of financial activities for sole proprietorships, partnerships and corporations. CAN BUS 2

Advisory On Recommended Preparation: Sophomore standing (at least 30 college units completed).

PRINCIPLES OF ACCOUNTING ACCT 2 **4 UNITS** Hours: 5 Lecture/Discussion

This is a second transfer-level Principles of Accounting course, which expands the discussion of corporate financing and ownership, continues financial statement analysis and interpretation; studies managerial control, information systems, cost accumulation and capital budgeting techniques; and other measuring and reporting methods. CAN BUS 4

Advisory On Recommended Preparation: ACCT 1 or equivalent college course with "C" or better.

5 UNITS ACCT 101 ESSENTIALS OF ACCOUNTING **5** Lecture/Discussion Hours:

Accounting 101 is an introduction to accounting for students not majoring in business as well as students pursuing a career in accounting. Students will learn accounting principles and practices including the effects of transactions, adjusting, closing, and reversing entries on the assets, liabilities, and owner's equity elements of professional, service, and merchandising businesses.

ACCT 202 GENERAL VOCATIONAL ACCOUNTING **5 UNITS** Hours: 5 Lecture/Discussion

This course continues to apply the fundamental accounting equation to additional topics, including: Computations for and recording of interest bearing and discounted notes payable, interest bearing notes receivable, discounting notes receivable and the end-of-period adjustments. Direct write-off and reserve methods of and for the treatment of uncollectible accounts. Methods of assigning values to ending of inventories. In-depth study of various methods of depreciation and assigning costs to plant and equipment. The voucher system of accounting. Partnerships: characteristics of, division of net income or loss, realization and dissolution. Corporations: various classes of capital stock and related transactions, recording of and paying taxes, retained earnings and appropriations, cash and stock dividends. Issuance of bonds, bond sinking funds and bond redemptions. Analyzing and interpreting financial statements: vertical, horizontal and other. Manufacturing accounting: recording the various elements of, inventory values and the statement of the cost of goods manufactured,

Advisory On Recommended Preparation: ACCT 101 or ACCT 1 or equivalent college course with "C" or better, or the completion of high school bookkeeping (accounting) with a grade of "A" or "B" in each of the four semesters.

ACCT 210	MICROCOMPUTER OPERATIONS: COMPUTER ACCOUNTING	3 UNITS
Hours:	3 Lecture	
Cross Ref:		
Materials Fe	e' \$6.00	

This course will teach students to use computer-based accounting packages to handle the accounting procedures for a business. These packages are usually referred to as "General Ledger Accounting" packages. This course is an introduction to accounting applications software for accountants and business managers. Students will use standard accounting programs, including general ledger, accounts receivable/payable, payroll and inventory control. Students will survey current accounting applications for microcomputers.

Advisory On Recommended Preparation: ACCT 101 or 1 or equivalent college course with "C" or better; and microcomputer experience.

ACCOUNTING

ACCT 282 INDIVIDUAL INCOME TAX Hours: **5** Lecture/Discussion

Materials Fee: \$5.00

A study of the Federal and California income tax laws that apply to the individual taxpayer(s), the application of the laws by computation of various practical problems and the completion of forms required by the Internal Revenue Service and the California State Franchise Tax Board. The requirements for becoming a licensed tax preparer and the rules and regulations governing licensed tax preparers. This course may be taken for personal use, but is primarily designed for the vocational student; to orient the student toward working with these problems in an accounting office, a financial institution, an enrolled agent's office, the Internal Revenue Service, the California State Franchise Tax Board, a state licensed tax preparer's office or in their own office as a California state licensed tax preparer.

ACCOUNTING FOR SERVICE BUSINESSES ACCT 287 **3 UNITS** Hours: 3 Lecture/Discussion

A vocational course in accounting principles and practice covering the effect of transaction, adjustment, and closing entries on the asset, liability and owner's equity elements of professional and/or service businesses. The concepts of cash. modified cash and accrual basis of accounting are studied. Other topics studied are bank statement reconciliations, petty cash funds, change funds, cash short or over, completing payroll registers, computing the employers payroll taxes and journalizing the data. This course is most suitable for those persons desiring a practical knowledge of accounting but do not intend to earn a bachelor degree and plan to work only for or have their own nonmerchandising form of business.

ACCT 292	FUNDAMENTALS OF GOVERNMENTAL	3 UNITS
	ACCOUNTING	
Hours:	3 Lecture/Discussion	24
	6 Homework	
Fundamental	s of Governmental Accounting is an introduction to go	vernmental

or fund accounting. The student will learn basic accounting principles and practices as they apply to governmental and not-for-profit organizations.

Advisory on Recommended Preparation: Keyboarding/ten-key calculator experience helpful.

ADMINISTRATION OF JUSTICE

AJ 11 INTRODUCTION TO CRIMINAL JUSTICE **3 UNITS** Hours: **3 Lecture/Discussion**

Introduction to Criminal Justice offers an overview of the entire criminal justice system. This course refers to the structure, functions and decision making processes of the criminal justice system that work with the management and control of crime and criminal offenders-the police, courts, and corrections. CAN AJ 2

COMMUNITY RELATIONS AJ 13 **3 UNITS 3 Lecture/Discussion** Hours:

An in-depth exploration of the roles of criminal justice practitioners and their systems. Through interaction and study, the student will become aware of the interrelationships and role expectations among the criminal justice system and the community.

INTRODUCTION TO CRIMINAL LAW I **3 UNITS** AJ 14 Hours: **3** Lecture/Discussion

Introduction to Criminal Law I is a historical development and philosophy of law and constitutional provisions, definitions, classification of crime, and their application to the criminal justice system; legal research; study of case law, methodology, and concepts of law as a social force. CAN AJ 4.

5 UNITS

Course Descriptions

ADMINISTRATION OF JUSTICE

AJ 25	CONSTITUTIONAL LAW INTERPRETATION	3 UNITS	AJ 117 CORRECTIONS,		3 UNITS
Hours: Cross Ref:	CIVIL LIBERTIES, FACT AND FALLACY 3 Lecture/Discussion GOVT 25			ssion and techniques of interviewing and	l counseling used
and oral com the United St	BUS 25 allows students to study and apply logic and critical thi munication through the study of the fundamental rights ates Constitution. This course will develop an understar and key court cases interpreting individual rights. Stude	as protected by nding of the role		tions. Preparation: ENGL 251 or ec gibility for ENGL 1 determined by	
the skills to a solutions to p Students will Advisory Or	analyze others' arguments, produce their own arguments problems utilizing the case study method in legal research be required to write a total of 6,000 to 8,000 words. In Recommended Preparation: ENGL 1 and SPCH se with a "C" or better.	nts and develop ch and analysis.	covered are techniques of crin preservation of physical evide		, collection and ses, sources of
the police pa observation,	POLICE PATROL PROCEDURES 3 Lecture/Discussion and thorough study of the procedures, philosophies, and atrol system. Covers the important areas of patrol p field interviews, patrol systems, arrest powers, bass public service responsibilities, and their relationship	reparation, field sic investigative	criminal identification and modus		ividual character-
justice syste AJ 111 Hours: Techniques clear, and lo letters, mem justice term	em. WRITING FOR CRIMINAL JUSTICE 3 Lecture/Discussion of communicating facts, information, and ideas effectiv ogical manner in the various types of criminal justice oranda, directives, and administrative reports; empha inology, use of English and organization of inform	3 UNITS rely in a simple, system reports; asis on criminal nation; practical	AJ 120 WOMEN IN THE Hours: 3 Lecture/Discu An in-depth study of the professio in the administration of criminal will examine the historical and cu profession.	CRIMINAL JUSTICE FIELD ssion onal responsibilities and special fu justice/corrections and related fie urrent employment of women in th	3 UNITS nctions of women elds. The course he criminal justice
AJ 112 Hours: This course of evidence; seizure; and	n note taking and report writing; presentation of testin CRIMINAL EVIDENCE 3 Lecture/Discussion involves the origin, development, philosophy and con constitutional and procedural considerations affecting ar kinds and degrees of evidence and rules governir sions interpreting individual rights and case studies a	3 UNITS astitutional basis rest, search and ng admissibility.	Hours: 3 Lecture/ Disc This is an introductory course de corrections. Emphasis is focuse in the field of corrections, includi AJ 122 PRINCIPLES & I CRIMINAL JUST Hours: 3 Lecture/Discu	esigned to review concepts of crin d on exploring the history, princip ng local, state and federal correc PROCEDURES FOR THE TICE SYSTEM Ission	les and practices tional institutions. 3 UNITS
justice agend the United	JUVENILE LAWS AND PROCEDURES 3 Lecture/Discussion urse of study in the organization, functions and jurisdicies in California and the various state juvenile justice States. The processing and detention of juveniles invenile status, state and federal court procedures and	agencies across , juvenile case	justice system including law enfo and future exposure to each s		A past, present, ial entry to final
AJ 114 Hours: This is an Delinquency the delinque cal). A gen agencies de	JUVENILE DELINQUENCY 3 Lecture/Discussion introductory course designed to explore the conce . Emphasis is focused on defining delinquency and ide nts and theories of causation, (biological, psychological neral review of societies' institution for delinquent, is ealing with delinquent behavior and community be r the prevention of delinquency.	3 UNITS ept of Juvenile entifying who are al and sociologi- ncluding formal	6 Homework This course allows students to values of concern to Adminisi principles of justice with ethical a and in the profession. Advisory on Recommended course with "C" or better or elig procedures.	examine and discuss various el tration of Justice professionals applications in policing, in the cou Preparation: ENGL 251 or ec ibility for ENGL 1 determined by	Topics Include rts, in corrections quivalent college COS placement
classification legal researd force. Explo social, religi	CRIMINAL LAW II 3 Lecture/Discussion velopment, philosophy of law and constitutional provis is of crime and their application to the system of adminis ch, review of case law, methodology and concepts of pres substantive crimes against persons, property and ous and historical ideology.	tration of justice; law as a social the state, as a	Hours: 1 Lecture/Discu Cross Ref: SPAN 160 and F This elective course presents the terminology used in the crimin interpreters, paralegals, administ enforcement. Advisory On Recommended P with "C" or better, or 2 years of h		nended for court ble working in law nt college course
functions of p correctional	PROBATION AND PAROLE 3 Lecture/Discussion ains a historical and theoretical perspective on the corrobation/parole. An emphasis on probation/parole as corrobation/parole and practices at the federal, state, the resocialization/reorganization processes pertaining inder.	ommunity based and local levels.	bilingual background.		

ADMINISTRATION OF JUSTICE

ADMINISTRATION OF JUSTICE

AJ 193-196 COOPERATIVE/WORK EXPERIENCE Hours: Arranged

You are a participant in the College of the Sequoias Cooperative/Work Experience class. This class is designed to bring the academics of the classroom together with practical experiences of the job to enhance your academic and career growth. Your assigned employer will become a partner with the College to develop a plan of expanded learning which takes place on your job site. Your internship is coordinated by the classroom instructor, you must contact him for information on the requirements pertaining to course activities.

AJ 200-M1 BASIC POLICE ACADEMY (MODULE 1)	1.5 UNITS
Total Hours: SHORT TERM CLASS:	
64 Lecture	
20 Activity	
40 Homework	

Materials Fee: \$17.00

Note: Course units awarded for this course are in the process of being changed. Contact the Police Academy Office for more information.

This is the first module of a four-module series leading to completion of the Basic Policy Academy Course. The course will survey the following topics: professional orientation, criminal law, rules of evidence, laws of arrest, use of force, community relations, and handoun shooting techniques.

Prerequisite: (1) Passing score on the P.O.S.T. entry level reading and writing test; (2) high school diploma or G.E.D., (3) no felony convictions; (4) a valid California Driver's License; (5) medical clearance by a licensed physician and (6) fingerprint clearance from the California Department of Justice; (7) possession of all required equipment, uniforms, supplies and materials; and (8) payment of all enrollment, material and subsidiary fees.

Advisory on Recommended Preparation: Because this course requires strenuous lifting, reaching, falling, and range of motion activities, students should be free of any medical or physical conditions which could be appravated by participating in the course. All students must participate fully in all activities in order to successfully complete the course.

AJ 200-M2	BASIC POLICE ACADEMY	(MODULE 2)	2 UNITS
Total Hours:	SHORT TERM CLASS:		

106 Lecture

24 Activity 60 Homework

Materials Fee: \$4.50

Note: Course units awarded for this course is in the process of being changed. Contact the Police Academy Office for more information.

This is the second module of a four-module series leading to completion of the Basic Police Academy Course. This module addresses the supplemental curricula mandated for completion of the P.O.S.T. Level III Reserve Officer Course.

Prerequisite: (1) Passing score on the P.O.S.T. entry level reading and writing test; (2) high school diploma or G.E.D., (3) no felony convictions; (4) a valid California Driver's License; (5) medical clearance by a licensed physician and (6) fingerprint clearance from the California Department of Justice; (7) possession of all required equipment, uniforms, supplies and materials; (8) payment of all enrollment, material and subsidiary fees; (9) completion of AJ 200 (Module 1) or equivalent college course with a grade of "C" or better.

Advisory on Recommended Preparation: Because this course requires strenuous lifting, reaching, falling, and range of motion activities, students should be free of any medical or physical conditions which could be aggravated by participating in the course. All students must participate fully in all activities in order to successfully complete the course.

ADMINISTRATION OF JUSTICE

Course Descriptions

AJ 200-M3 BASIC POLICE ACADEMY (MODULE 3) **Total Hours: SHORT TERM CLASS:**

224 Lecture

1-4 UNITS

52 Activity

120 Homework

Materials Fee: \$4.00 Note: Course units awarded for this course are in the process of being changed. Contact the Police Academy Office for more information.

This is the third module of a four-module series leading to completion of the Basic Police Academy course. This module meets all curricular and testing requirements mandated for completion of the P.O.S.T. Level II Reserve Officer Course.

Prerequisite: (1) Passing score on the P.O.S.T. entry level reading and writing test; (2) high school diploma or G.E.D., (3) no felony convictions; (4) a valid California Driver's License; (5) medical clearance by a licensed physician and (6) fingerprint clearance from the California Department of Justice; (7) possession of all required equipment, uniforms, supplies and materials; (8) payment of all enrollment, material and subsidiary fees; (9) completion of AJ 200 (Module 1 and 2) or equivalent college courses with a grade of "C" or better.

Advisory on Recommended Preparation: Because this course requires strenuous lifting, reaching, falling, and range of motion activities, students should be free of any medical or physical conditions which could be aggravated by participating in the course. All students must participate fully in all activities in order to successfully complete the course.

AJ 200-M4 **BASIC POLICE ACADEMY (MODULE 4)** 4.5 UNITS **Total Hours: SHORT TERM CLASS:**

250 Lecture 120 Activity

200 Homework

Materials Fee: \$5.50

Note: Course units awarded for this course are in the process of being changed. Contact the Police Academy Office for more information.

This is the final module of a four-module series leading to completion of the Basic Police Academy. When combined with the P.O.S.T. Level III and II modules, completion of this module will constitute completion of the P.O.S.T. Basic Police Academy.

Prerequisite: (1) Passing score on the P.O.S.T. entry level reading and writing test; (2) high school diploma or G.E.D., (3) no felony convictions; (4) a valid California Driver's License; (5) medical clearance by a licensed physician and (6) fingerprint clearance from the California Department of Justice; (7) possession of all required equipment, uniforms, supplies and materials; (8) payment of all enrollment, material and subsidiary fees; (9) completion of AJ 200 (Module 1,2, and 3) or equivalent college course with a grade of "C" or better.

Advisory on Recommended Preparation: Because this course requires strenuous lifting, reaching, falling, and range of motion activities, students should be free of any medical or physical conditions which could be aggravated by participating in the course. All students must participate fully in all activities in order to successfully complete the course.

AJ 200	BASIC POLICE ACADEMY	12 UNITS
Hours:	TOTAL HOURS: 860	
	Lecture Hrs Per Week: 40	
	Activity Hrs. Per Week: 10	
	Homework: 6	

Materials Fee: \$25.00

Note: Course units awarded for this course are in the process of being changed. Contact the Police Academy Office for more information.

A state certified basic training course for peace officers. Covers introduction to law enforcement, criminal law, evidence, administration of justice, criminal investigation, community-police relations, patrol procedures, traffic control, juvenile procedures, defensive tactics, firearms, and first aid. This course complies with the State Commission on Peace Officers Standards and Training Regulations.

Prerequisite: (1) Passing score on the P.O.S.T. entry level reading and writing test; (2) high school diploma or G.E.D., (3) no felony convictions; (4) a valid California Driver's License: (5) medical clearance by a licensed physician and (6) fingerprint clearance from the California Department of Justice.

4 UNITS

ADMINISTRATION OF JUSTICE

AJ 203 Hours:	TRAFFIC COLLISION INVESTIGATION 2 UNITS 36 Lecture/Discussion	AJ 212	LEVEL 1, RESERVE PEACE OFFICER TRAINING	3 UNITS
This 40-hour	4 Lab course is intended to upgrade officer's skills in conducting preliminary	Hours:	8 Lecture/Discussion Lab Hours variable	
Investigations Advisory Or	a of traffic collisions. Recommended Preparation: AJ 200 or equivalent college course etter, or recommendation of department.	Standards Reserve	b satisfy the curriculum standards of the Commis and Training as required by Penal Code section Peace officers. Includes: professional orienta aw, evidence, patrol procedures, traffic, and or aw, evidence, patrol procedures.	332 in regards to Level ilon, police community
AJ 204 Hours:	SUPERVISORY TECHNIQUES 5 UNITS <u>SHORT TERM CLASS</u> Total Lecture/Discussion: 80 hours	Upon comp reserve pe	bletion of this course, the student will qualify as ace officer. tes: AJ 211 or equivalent college course with	a Level 1 (work alone)
Material Fee The course s		AJ 213a-b		1 UNIT
styles, civil l lecture-inten	Topics include: values, ethics, professional principles, leadership iability, performance appraisal and corrective counseling. This is a sive course. However, role playing is utilized. :: AJ 200 or equivalent college course with a "C" or better.	Hours:	TECHNIQUES SHORT TERM CLASS (Total Hours 48) 20 Lecture/Discussion 4 Lab 24 Homework	
AJ 208	P.C. 832 (LAWS OF ARREST MODULE) 2 UNITS	The course	presents practical approaches and techniques for	r conducting interviews
Hours:	<u>SHORT TERM CLASS</u> 32 Lecture/Discussion 8 Lab (40 hour course - 1 week)	and interrog The course	gations for people interested in a career in the pu will end with practical application and scenario te	blic safety professions.
<u>Material Fe</u>	<u>e: \$2.00</u>	be repeate Advisory of	on Recommended Preparation: AJ 200 or equ	ivalent college course
Standards a	satisfy the curriculum standards of the Commission on Peace Officers' and Training (POST) as required by Penal Section 832. Topics include:	with a "C"	or better.	
Professional Arrest, Use of	Orientation, California Criminal Law, Rules of Evidence, Laws of of Force and Community Relations. This course is mandated by state	AJ 214a-c Hours:	ARREST AND CONTROL TECHNIQUES SHORT TERM CLASS (Total Hours 48)	1 UNIT
	ons in diverse peace officer classifications not requiring the carrying	inours.	16 Lecture/Discussion 16 Activity	
AJ 209	PC 832 (FIREARMS MODULE) 1.5 UNITS	This course	16 Homework a presents an optimal set of techniques to physical set of techniques techniques to physical set of techniques te	cally subdue unarmed.
Hours:	<u>SHORT TERM CLASS</u> (usually 3 consecutive days) 16 Lecture/Discussion 8 Lab	but violently and wrestli	y resisting persons. The instruction methods are ng techniques. All are designed and taught to in	a blend of martial arts wolve the minimal use
<u>Material Fee</u>			eded to accomplish control. This course may be ent and update on enhanced techniques.	repeated two times for
•	satisfy the curriculum requirements of the California Commission on rs' Standards as required by Penal Code Section 832. This course		on Recommended Preparation: Because ifting, reaching, falling, and range of motion act	
is required fo	r probation officers, correctional officers and other diverse peace officer	be free of	any medical or physical conditions which co	uld be aggravated by
	s whose jobs require the carrying of a side arm. Recommended Preparation: AJ 208 or equivalent college course better.	participating complete ti	g in the course. All students must participate fully he course.	in order to successfully
AJ 210	LEVEL 3. 3 UNITS	AJ 215	DRUG SYMPTOMOLOGY	1 UNIT
	RESERVE PEACE OFFICER TRAINING	Hours:	SHORT TERM CLASS (Total Hours 48) 16 Lecture/Discussion	
Hours:	6 Lecture/Discussion 2 Lab	[8 Lab 24 Homework	
<u>Materials</u> Fe	ee: \$28.00	This cours	e addresses the signs, symptoms, packaging	and concealment of
	satisfy the curriculum standards of the Commission on Peace Officers and Training as required by Penal Code Section 832 in regards to Level		d other illicit drugs. It also discusses the phys narcotics. The course will conclude with discu	
	Peace Officers. Includes: professional orientation, law, laws of	laboratories	s and courtroom testimony.	
•	mmunity relations, communications, report writing, arrest and control, ety, care and cleaning, handgun shooting principles, and combat	Advisory of with "C" or	on Recommended Preparation: AJ 200 or eq better.	uivalent college course
	cs. This course is mandated by state law for anyone who will work I Reserve Peace Officer.			
		AJ 299 a-d	TOPICSADVANCED PEACE OFFICER TRAINING	1-12 UNITS
AJ 211	LEVEL 2, RESERVE 5 UNITS PEACE OFFICER TRAINING	Hours:	Variable ce training course for peace officers below ma	nagement level This
Hours:	8 Lecture/Discussion 16 Lab	course cor	nplies with regulations prescribed by the Cali er Standards and Training (P.O.S.T.). The subj	fornia Commission on
	satisfy the curriculum standards of the Commission of Peace Officers	to meet cu	rrent training needs in the area and will change	with time.
	nd Training as required by Penal Code section 832 in regards to Level eace Officers. Includes: professional orientation, law, communications,		On Recommended Preparation: AJ 200 or eq better, or recommendation of department.	uivalent college course
driver awar	eness, force and weaponry, patrol procedures, traffic, custody,			
who will worl	ess and defensive techniques. This course is mandated for anyone k as a Level II (Ride-Along) Reserve Peace Officer. Formerly CJ 86C.	1		
Prerequisite	s: AJ 210 or equivalent college course with a "C" or better.			

ADMINISTRATION OF JUSTICE

ADMINISTRATION OF JUSTICE

AJ 301 Hours: Cross Ref:		2 UNITS	AG 103a-c Hours:	APPLIED AGRICULTURE PRACTICUMS 2 Lecture/Discussion 2 Leb	2 UNITS
reading, oral This class is r it is recomme	illis class enhances study skills and basic cor communication and written communication in a l neant to supplement the skills learned in other p nded for students interested in pursuing a law re degree applicable courses.	egal content course.	foremen and	5 Homework designed to prepare students as crop and plant mani nursery managers. Students design and manage the ision of the instructor. This course is repeatable tw	ir own practicum o times.
AJ 313a-b	BASIC ACADEMY PREPARATION	3 UNITS	AG 105 Hours:	FERTILIZERS 2 Lecture/Discussion	3 UNITS
and skills for Topics includ	64 Lecture 20 Leb rovides an opportunity for students to develop the bassing the prerequisite examination for the Basi e study skills, reading and writing skills, culture professional values, and Police Academy orientation one time.	c Training Academy. Iral awareness, law	and physical with soils and	2 Lab by of fertilizers and soil amendments is done regardir properties, methods of application, value in plant nut d plants and visual recognition of typical plant nutri- n Recommended Preparation: AG 4 or equivalen- etter.	rition, interaction ant deficiencies.
Advisory On	Recommended Preparation: ENGL 382 or " or better, or eligibility for English 383 determine		AG 106 Hours:	CAREER OPPORTUNITIES FOR WOMEN IN AGRICULTURE 2 Lecture/Discussion 2 Lab	2 UNITS
AJ 320a-d Hours:	BASIC FIREARMS 12 Lecture/Discussion 4 Lab	1 UNIT	Sequoias inte	s an introduction to the agricultural curriculum offered ended for women who want to experience the many ad pursue a career which utilizes their skills and inf	different fields of
skills with per	ining for private and industrial security as well as sonal firearms. This course is designed to meet a r California Bureau of Consumer Affairs and Co	specific requirements	AG 125 Hours:	PRINCIPLES OF PESTICIDE USE 3 Lecture/Discussion	3 UNITS
use, sidearm	ards and Training. Topics include: Legal and mora familiarization and safety, and shooting fundam ated three times.		and application control method	fundamentals, basic concepts and principles of pestic on with emphasis on plant pests, pesticide made of ods, pesticide label interpretation, and worker safety those preparing for agricultural pest control licensing	action and pest This course is
AJ 321 Hours:	SIDE HANDLE BATON 8 Lecture/Discussion	.5 UNIT	continuing e		or who require
This course is	4 Lab aining for security guards, peace officers and others designed to meet specific requirements of the	California Bureau of	AG 200a-d Hours:	AGRICULTURE LEADERSHIP 1 Lecture/Discussion 3 Homework	1 UNIT
(P.O.S.T.).	airs and the Commission on Peace Officer Sta		Agriculture A	of the course is to build leadership skills of students. T mbassador program students will learn team building, se and communication skills. This course may be repe	speaking ability,
AJ 360 Hours:	APPLIED MATH FOR LEGAL CAREERS 3 Lecture/Discussion 6 Homework	3 UNITS	AG 201 Hours:	AGRICULTURAL MATHEMATICS 3 Lecture/Discussion	3 UNITS
in a legal car	PARA 360 ree applicable math course designed to improve eer contextual setting. Students will improve the covering topics covered by the COS Math Co	ir practical problem-	feeds; discou	1 Lab clem-solving in soils, crops, dairy, horticulture, livest ints and interests, percentages, linear measurement irres, and their application in today's agriculture.	
,	AGRICULTURE		AG 205 Hours:	CAREERS IN THE AGRICULTURE INDUSTRY 1 Lecture/Discussion 3 Homework	1 UNIT
AG 3 Hours:	ECONOMIC ENTOMOLOGY 3 Lecture/Discussion 1 Lab	3 UNITS	opportunities	e of the course is to get agriculture students to in the agriculture industry. The course will also prep- ities, prepare resumes, portfolios and conduct job it	are them to seek
	dy of western insects, their life cycles, classification on trol, and economic importance in California.	on, and identification,	AG 206 Hours:	PESTICIDE REGULATIONS SHORT TERM CLASS (Total Hours 48)	1 UNIT
AG 4 Hours:	SOILS 2 Lecture/Discussion 2 Lab	3 UNITS		16 Lecture/Discussion 32 Homework s an outline of California's pesticide laws and regulatio	
6 Homework This course provides a basic knowledge of the physical, chemical, and biological				e with the laws and regulations, restricted material ted. Preparation for State licensing test will be stress	
fundamental s	soils and their characteristics. The course soil properties, soil and plant relationships, princip soil management, salinity, pH, erosion managen AN AG 14	les of soil formation,	AG 207 Hours:	PESTICIDES FOR LANDSCAPE SHORT TERM CLASS (Total Hours 48) 16 Lecture/Discussion 32 Homework	1 UNIT
			instructed in professional i	s specifically directed to the landscaper or gardener. IPM, pests, weeds, vertebrates, diseases and other n work situations. This class will prepare the student ination in the category of landscape maintenance for	ssues facing the to take the State

Course Descriptions

AGRICULTURE

AGRICULTURE

AG 208	PLANT AG & PESTICIDES 1 U SHORT TERM CLASS (Total Hours 48) 16 Lecture/Discussion		Hours:	INTRODUCTION TO AGRICULTURE ECONOMICS 3 Lecture/Discussion 1 Lab	3 UNITS
pesticides. St and other iss	32 Homework s specifically directed to the grower, advisory, or the handle udents will be instructed in IPM, pests, weeds, vertebrates, o sues facing the agricultural community. This class will prep e the State license examination in the category of plant agricu QAL.	diseases c pare the m	The first cours course gives a	e in the Agriculture Management Certificate student a basic introduction to economics s in determining what to produce, how muc	concerning the decision
AG 209 Hours:	RESIDENTIAL & INDUSTRIAL PEST CONTROL 1 U SHORT TERM CLASS (Total Hours 48) 16 Lecture/Discussion		Hours:	AGRICULTURE SALES AND MARKET 3 Lecture/Discussion 1 Lab	ING 3 UNITS
industry usir vertebras, dis will prepare t	32 Homework is specifically directed to the warehouser, fumigator, or per ing pesticides. Students will be instructed in IPM, pests, seases and other issues facing the stored product pests. The the student to take the State license examination in the cate industrial and Institutional for the QAC or QAL.	rsons in A weeds, p his class T egory of u	Agriculture sell prioritizing pote Techniques us used to give st	overs selling techniques as they relate to ing strategies and approaches are emphasi ential customers and defining the dominant ed in pre-call planning, group and individua udents a basic understanding of the selling al communications skills are stressed for e	ized. Marketing research, buying urge are covered. al sales presentations are process. Improving self-
AG 210 Hours:	FOREST AND RIGHT-OF-WAY 1 U SHORT TERM CLASS (Total Hours 48) 16 Lecture/Discussion 32 Homework		Hours:	INTRODUCTION TO AGRICULTURE MANAGEMENT 3 Lecture/Discussion 1 lab	3 UNITS
right-of-way = brates, disea students to ta of-Way for th	s specifically directed to those persons using pesticides in fore situations. Students will be instructed in IPM, pests, weeds ses and other issues facing these areas. This class will prej ke the State license examination in the category of Forestry ar e QAC or QAL.	s, verte- A pare the E nd Right- n b	Emphasis wil management o management o	: \$5.00 to the basic concepts of management as be placed on the agribusiness organ oncepts are used in the management of ag environment, strategic planning and manag The basic steps involved in organizationa	nization and how basic riculture businesses. The erial decision-making will
AG 230 Hours:	PROCEDURE SHORT TERM CLASS (Total Hours 54.5) 12 Lecture/Discussion 8 Lab	H	Hours: <u>Materials Fee</u>		3 UNITS
		e course c athods in u o b	course is designusing a journal other types of be using corr	to the basic concepts of accounting as they need to give students a basic understanding and ledger system, income statements, ba accounting procedures used in agriculture to puter applications for general accounting ounting and inventory control in the C.O.S	g of accounting principles alance sheets and various businesses. Students will g, payroll, depreciation,
Hours:	SHORT TERM CLASS: (Total Hours 52.5) 18 Lecture 34.5 Laboratory	Å	AGMT 106	DAIRY INDUSTRIES TOUR 8 Lecture/Discussion	1 UNIT
mohair and c	c course in the study and application of material fiber, includi otton. The selection, grading and processing of fiber will be n the home front including washing, carding, and basic spin	ing wool, covered. T ining will s	This course is students as p Certificate prog	18 Lab designed for Agriculture Business Manage art of the Agriculture Business Manager grams at COS. The course will offer stude zations within the agriculture industries in a	ment and Dairy Science nts an opportunity to visit
AG 299 Hours: (See Special	SPECIAL TOPICS IN AGRICULTURE 1-4 Variable Topics in the Course Descriptions of this catalog.)	UNIT/S	-	INTRODUCTION TO AGRICULTURE COMPUTER APPL 3 Lecture/Discussion 1 Lab	3 UNITS
AG 301 a-d Hours:	VECTOR CONTROL I 1 U 16 Lecture/Discussion 4 Activity	T			
biennial State Limitation O	regional training for public agency Vector Control personnel e certification requirements. This course may be repeated three in Enrollment: Prospective or certified local public health ponnel, or by permission of department.	ee times. g h Vector v	give students a with agricultur	two such popular software applications. T a working knowledge and skill of using thes e applications. This course may be repea	se two software programs ted one time.
AG 363 Hours:	SPANISH FOR FARMERS 2 U 2 Lecture/Discussion 1 Lab	JNITS	AGMT 271 Hours:	ORIENTATION TO THE AGRICULTURE BUSINESS INDUSTRY 3 Lecture/Discussion 6 Homework	3 UNITS
as used by th to them in the	s designed to give students an understanding of the Spanish la e farmworker. Students will practice translating short sentence ir work. They will also develop their reading of the Spanish la e to practice speaking in Spanish.	es useful c anguage, n A	choices in the management,	designed to be an introductory course in e agriculture industry. The basics of care crops, animal science, accounting and lea Recommended Preparation: Recomm	eers in agriculture sales, adership will be covered.

AGRICULTURAL MANAGEMENT

AGRICULTURAL TECHNOLOGY

BASIC FARM MECHANICS AGTC 101 **3 UNITS AGTC 108** IRRIGATION **3 UNITS** Hours: **3** Lecture/Discussion Hours: 3 Lecture/Discussion 1 Lab 1 Lab An introductory course in the Ag Engineering discipline designed to give students A fundamental course designed to give students an understanding of basic soil and a basic understanding of the theory and practical operation of power equipment and water relationships. The Blaney-Griddle formula is the foundation for irrigation tools in farm shops. CAN AG 4 design of when to irrigate and how much water to apply. Pumps, measurement, and transport of water and salt problems will be an important part of the study. AGTC 102a-d FARM EQUIPMENT CONSTRUCTION 2 UNITS 3 Lecture/Discussion AGTC 111 AGRICULTURE EQUIPMENT 2 UNITS Hours: MAINTENANCE AND TECHNOLOGY 1 I ab Farm Equipment Construction is an introductory course designed to give students 1 Lecture/Discussion Hours: a basic understanding of the mechanics and technology of building and the repair 3 Lab of agricultural implements. This class will study the characteristics, types, and This course is designed to train students in modern agricultural equipment costs of construction materials for their use in farm equipment and buildings. This maintenance and technology. Industry standard maintenance schedules and is a practical course in building metal and wooden projects having to do with methods will be used to teach required employment skills. A variety of agricultural agriculture. This course may be repeated three times. equipment will be used to demonstrate hydraulic and electronic technology. In addition preventive maintenance, such as lubrication, cooling fuel, electrical AGTC 103 FARM POWER **3 UNITS** checks and troubleshooting will be covered. 3 Lecture/Discussion Hours: 1 Lab AGTC 209a-d SMALL ENGINES AND EQUIPMENT 2 UNITS 2 Lecture/Discussion A study in the basic principles of the modern farm tractor including operation, service, Hours: repairs, and maintenance. Lectures, demonstrations and lab work will include 2 Lab theory and practical operation of all systems of diesel and gasoline powered tractors. 5 Homework A study of the basic principles of modern small engines, lawn and garden FARM MACHINERY AGTC 104 **3 UNITS** equipment. Operation, service, repair and safety will be covered in lecture and lab Hours: 3 Lecture/Discussion assignments. This course may be repeated three times. 1 Lab AGTC 210a-d AGRICULTURE PROJECT CONSTRUCTION A study in the basic principles of modern farm equipment including the operation, **3 UNITS** service, repairs, and maintenance. Lectures, demonstrations, and lab work will 3 Lecture/Discussion Hours: include theory and practical operation of many different pieces of farm equipment. 1 Lab The following types of farm equipment will be studied: spray rigs, discs, plows, 6 Homework planters, cultivators, swathers, balers, and many others. This is an introductory course designed to give students a basic understanding of the mechanics and technology of fabrication. This class will study the character-AGTC 105a-d FARM STRUCTURE **3 UNITS** istics, types, and costs of construction materials for their use in agriculture and 3 Lecture/Discussion industrial equipment fabrication. This course may be repeated three times. Hours: 1 lah Farm Structures is an integral part of the Agriculture Engineering curriculum designed AGTC 212a-d WELDING POWER SOURCES AND 1 UNIT to give the student a basic understanding of farm structures. The course will stress APPLICATIONS farmstead layout, cost of construction, foundation, types and sizes, column sizes SHORT TERM CLASS (Total Hours 52.5) and strength, live and static loads, and determining beam sizes and strengths. The Hours: 17.5 Lecture/Discussion repeatable b, c, and d courses that follow involve a higher level of skill development 35 Homework based upon the essential knowledge learned in "a." Each of these courses requires This is a short-term course designed to explore the many different makes and that the student successfully master the level below it in the hierarchy. This course models of new welding power sources. Operation, capabilities, uses and power may be repeated three times. requirements will be covered. Student will see demonstrations, as well as be able to try new welding machines. This course may be repeated three times. AGTC 106a-d AGRICULTURE WELDING **3 UNITS** 3 Lecture/Discussion AGTC 213a-C HYDRAULICS PRINCIPLES AND APPLICATIONS 3 UNITS Hours: 3 Lecture/Discussion 1 Lab Hours: 5 Homework 1 Lab A study of the fundamental principles and practices of welding used in Agriculture 5 Homework Construction, fabrication and repair. All positions, joint types, hard surfacing, cutting, This is an introduction to the principles and the various designs and systems in brazing, SMAW, GMAW, and OFW will be studied. This course may be repeated hydraulics. Application of hydraulics to both farm and light industrial equipment is three times. emphasized. Design, application, operation, adjustment, and maintenance of hydraulic units are studied. This course can be repeated twice. **AGTC 107** FARM SURVEYING **3 UNITS** 3 Lecture/Discussion Hours 1 Lab This course is designed to prepare the student to be able to compute cuts, fills, and cubic yards of soil to be moved for a land leveling job. The computer will be used to develop cut and fill maps for land leveling jobs. The student will be able to use levels, transits, rods, and chains to measure and survey. Laser scraper and tractors will be used to complete a land leveling job.

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Course Descriptions

AGRICULTURAL TECHNOLOGY

AGRICULTURAL TECHNOLOGY

AGTC 214 Hours:	OUTDOOR POWER EQUIPMENT 3 Lecture/Discussion 6 Homework urse in the theory of operation, diagnosis and repair,	3 UNITS	College of the Sequoias students, men or women, may register for lower division classes designed for those who wish to explore becoming an officer in the United States Air Force. The classes are conducted at California State University, Fresno. Students must be in good academic standing and must be full-time at COS (enrolled		
procedures,	including assembly and adjustment of attachments f small power equipment utilized in lawn, turf, garden, a	and add-on	in at least 12 semester units). If accepted, you will need to enroll in two 1-unit classes (total of two hours per week) per semester.		
AGTC 215a-d	OUTDOOR POWER EQUIPMENT	2 UNITS	Upon receipt of CSUF transcript, College of Sequoias will accept the units as general elective units toward the AA or AS degree. Obligation to the Air Force does not come		
Hours:	APPLICATION 2 Lecture/Discussion 1 Lab 3 Homework		until the student's junior year. After transferring to CSU-Fresno, if you qualify, you may be eligible to receive a two year, \$1500 incentive scholarship per semester for tuition, books, and incidental fees as well as \$200 per month stipend during the school year. You may even obtain a minor in Aerospace Studies by completing		
	provides students technical knowledge and hands-on en and repair of small gas and diesel engines. This co		the AFROTC program (16 upper division units). For information concerning what courses are offered at California State University,		
AGTC 216a-	cAPPLIED HYDRAULICS	2 UNITS	Fresno visit the Aerospace Studies Department at CSUF located in the North Gym, Room 158 or call (559) 278-2593.		
Hours:	2 Lecture/Discussion 1 Lab 3 Homework	1			
Theory, princ	s nonnework iples, application, diagnostics, repairs and testing of hyd ents of modern equipment. This course is repeatable t		AMERICAN SIGN LANGUAGE		
AGTC 217	POWER TECHNICIAN SKILLS AND Practices	2 UNITS	ASL 1 BEGINNING AMERICAN 3 UNITS SIGN LANGUAGE 1 Hours: 3 Lecture/Discussion		
Hours:	2 Lecture/Discussion 1 Lab		Students with no prior knowledge of American Sign Language will be able to function comfortably in a variety of situations with deaf people. They will learn of the cultural		
mechanic. Igi	6 Homework ve class in the skills of the diesel mechanics and agric nition, fuel systems, and operation of both gas and diese Emphasis is on diagnostic and repair skills.		differences between deaf and hearing people and appropriate behaviors for social interaction. This course covers the first half of level one of the <u>Signing Naturally</u> curriculum which emphasizes the functions of everyday communication and uses only the target language in class.		
AGTC 218 Hours:	POWER TRAINS 2 Lecture/Discussion 1 Lab	2 UNITS	Advisory On Recommended Preparation: ENGL 360 or equivalent college course with "C" or better, or eligibility for ENGL 251 determined by COS Placement Procedures.		
torque conve	3 Homework power train from clutch to final drive. It includes a study erters, transmissions, and final drives. Troubleshooting		ASL 2 BEGINNING AMERICAN 3 UNITS SIGN LANGUAGE 2 Hours: 3 Lecture/Discussion		
of these com	aponents will be stressed in this course. AGRICULTURE MECHANICS SKILLS AND	3 UNITS	A continuation of ASL 1: The skills introduced in ASL 1 will be expanded. Students will be able to express considerably more complicated needs and will become more adept at functioning in the Deaf community.		
Hours:	PRACTICES 3 Lecture/Discussion		Prerequisite: ASL 1 or equivalent college course with "C" or better.		
This second	1 Lab 5 Homework	abopies. The	ASL 3 INTERMEDIATE 3 UNITS AMERICAN SIGN LANGUAGE		
curriculum is Mechanic ex	is designed to be an introductory course in Ag Me basic and is intended for the student that has no or perience. Basic skills will be taught in safety, hand and , plumbing and measurement.	very little, Ag	Hours: 3 Lecture/Discussion A continuation of ASL 2: The skills introduced in ASL 1 and 2 will be expanded so that students can function comfortably in a wide variety of situations in the Deaf community. Students will be able to express more complicated needs and gain greater awareness of the Deaf culture. Prerequisites: ASL 2 or equivalent college course with "C" or better.		
			ASL 4 ADVANCÉD AMERICAN SIGN 3 UNITS		
			LANGUAGE Hours: 3 Lecture/Discussion		
			A continuation of ASL 1, 2, and 3. Emphasis on fluency in functional conversational skills in cultural context. Morphology and grammar of American Sign Language will be explored in depth. Prerequisite: ASL 3 or equivalent college course with "C" or better.		

AIR FORCE ROTC

AMERICAN SIGN LANGUAGE

ASL110a-d SIGN LANGUAGE INTERPRETING **4 UNITS** ASCI 105a-d PREPARING LIVESTOCK FOR 2 UNITS SHOWS AND SALES Hours: 4 Lecture/Discussion 4 Homework Hours: 2 Lecture/Discussion 2 Lab Introduction to the profession of sign language interpretation, emphasizing a professional code of ethics applied to real situations. Training will develop skills from Materials Fee: \$10.00 A general study of handling beef, sheep, and swine species, selecting high quality consecutive to simultaneous Interpreting. Advanced techniques will include legal. medical, educational, mental health, religious, and deaf/blind interpreting. This livestock, and grooming them to their best advantage for shows and sales. This course may be repeated three times. course may be repeated three times. Prerequisite: ASL 4 or equivalent college course with "C" or better or equivalent **ASCI 107** INTRODUCTION TO MEAT SCIENCE **3 UNITS** skills as determined by departmental assessment. Hours: **3 Lecture/Discussion** 1 Lab A study of the meat processing industry, USDA Grading Service, and marketing ANIMAL SCIENCE and nutritional aspects of meat products. Basic skills include the processing, handling, inspection, and storing of livestock and poultry species. ASCI 1 INTRODUCTION TO ANIMAL SCIENCE **3 UNITS 3 Lecture/Discussion** Hours: ASCI 108a-b MEAT GRADING AND SELECTION 2 UNITS 1 Lab 4 Lecture/discussion Hours: A survey course of the world's hunger problems and supply of animal products. 56 Activity The origin, characteristics, and adaptation of the more important breed of livestock Materials Fee: \$5.00 are discussed, along with job opportunities in animal agriculture. It is a required An advanced course designed to train students in determining USDA Quality and course applied toward the Animal Science Certificate. CAN AG 6 Yield Grades of beef, lamb, and pork carcasses, along with the selection of wholesale cuts. Students may compete in Intercollegiate Judging events locally and ASCI 2a-h LIVESTOCK SELECTION AND EVALUATION **3 UNITS** national events. This course may be repeated one time. **3 Lecture/Discussion** Hours: 1 Lab **ASCI 109 INTRODUCTION TO VETERINARY TECHNOLOGY 3 UNITS** 5 Homework 3 Lecture/discussion Hours: A study of the animal form in relation to its various functions. Beef, sheep, and swine 1 Lab species are evaluated using performance data and live observation. This course 6 Homework is repeatable one time. An introductory course for students interested in the field of veterinary technology. which reviews training and career opportunities. Animal behavior, handling, training ASCI 22 HORSE HUSBANDRY **3 UNITS** and restraint will be thoroughly presented. Labs will provide opportunities for Hours: 3 Lecture/Discussion students to gain hands-on experience with domestic, farm and laboratory species. 1 Lab An introductory course to the current status of the horse industry, evaluation of the ASCI 110 SWINE PRODUCTION AND MANAGEMENT **3 UNITS** horse, breeds of horses, and their uses. Anatomy, diseases, unsoundness, vices, 3 Lecture/Discussion Hours: gaits, selection, and management of the equine. CAN AG 26 1 Lab A study of swine production and herd management in California. Basic skills include ASCI 101a-d LIVESTOCK MANAGEMENT SKILLS 1 UNIT pre- and postnatal care, nutrition, and breed selection. CAN AG 24 Hours: 1 Lecture/Discussion 2 Lab BEEF PRODUCTION AND MANAGEMENT **3 UNITS ASCI 111** 1 Activity Hours: **3** Lecture/Discussion This course is designed to give students a chance to gain practical skills in livestock 1 | ah production. Students will be able to care and feed beef cattle, swine, and sheep A study of beef production and herd management in California. Basic skills focus species with instructor approval. Other skills learned will be feeding young stock, primarily on purebred and commercial cow-calf operations. CAN AG 20 exhibiting and general livestock work. This course may be repeated three times. ASCI 112 SHEEP PRODUCTION AND MANAGEMENT **3 UNITS ASCI 103** ANIMAL NUTRITION **3 UNITS** 3 Lecture/Discussion Hours: Hours: 3 Lecture/Discussion 1 Lab 1 Lab A study of sheep and wool production in California with a special emphasis on basic A study of the constituents of feeds; the digestion and utilization of feedstuffs, and management practices. CAN AG 22 identification of feeds for each class of livestock. An introduction to feeding standards and computation of simple rations. CAN AG 12 ASCI 113 FARM ANIMAL BIOLOGY **3 UNITS** Advisory On Recommended Preparation: A SCI 1: and AG 201 or MATH 230. Hours: **3 Lecture/Discussion** or equivalent college courses with "C" or better. 1 Lab 8 Homework ANIMAL DISEASES AND SANITATION **ASCI 104** 3 UNITS This course is an introduction to the scientific concepts of farm animal biology. The **3** Lecture/Discussion Hours: objective of the course is to familiarize students with basic biology concepts of farm 1 Lab animals. Laboratory exercises will include hands-on training of the anatomy and Animal Science 104 is a study of the common diseases and parasites of livestock. physiology of farm animals for those students seeking employment or advanced Topics of interest include, cause, symptoms, prevention and treatment of common degrees in the animal sciences. diseases and parasites found in livestock.

Course Descriptions

ANIMAL SCIENCE

ANIMAL SCIENCE

ASCI 114 Hours:	ADVANCED SWINE MANAGEMENT 3 Lecture/Discussion 1 Lab 5 Homework	3 UNITS	,	EQUINE INDUSTRIES SHORT TERM CLASS (40 hour field trip) field trip will include visitations to several facilities these on a commercial basis.	1 UNIT at produce, raise,
emphasize the to operate a	malysis of pork production and marketing systems. T e business and management skills, as well as the tech modern successful swine ranch. ASCI 110 or an equivalent college course with a "C	nology needed	ASCI 226 Hours:	EQUINE REPRODUCTIVE MANAGEMENT SHORT TERM CLASS (Total Hours: 54.5) 12 Lecture/Discussion	1 UNIT
ASCI 115 Hours:	INFECTIOUS DISEASES OF SMALL ANIMALS 3 Lecture/Discussion 1 Lab 5 Homework	3 UNITS		8 Lab 34.5 Homework Science course will cover reproduction of the including semen handling and mare estrus cycle ma oroughly.	
control and p will be the ma	a designed to acquaint the student with clinical recognil revention of diseases in small animals. Common do in focus with some discussion of exotic and laboratory a of and implementation of effective therapies will be s	mestic animals animal species.	ASCI 227 Hours:	THE SNAFFLE BIT FUTURITY SHORT TERM CLASS (Total Hours 54.5) 12 Lecture/Discussion 8 Lab	1 UNIT
ASCI 116 Hours: This course i	VETERINARY OFFICE PRACTICES 3 Lecture/Discussion 1 Lab 5 Homework is designed to teach the skills that are necessary	3 UNITS		34.5 Homework Science course will cover aspects of the Snaffle Bit ions, scoring and how these are applied during th	
veterinary bu tative medicir	siness office. Client communications, routine vaccina ne procedures and appropriate computer skills will b	ations, preven- e covered.	ASCI 228 Hours:	BITS AND BITTING SHORT TERM CLASS (Total Hours 54.5) 12 Lecture/Discussion	1 UNIT
Hours:	I BASIC EQUITATION 2 Lecture/Discussion 2 Lab will learn the proper way to catch, groom, saddle, brid	2 UNITS		8 Lab 34.5 Homework Science course will cover the aspects of all major bits	, how to use them,
the horse. A g under saddle, experience, bu	reat deal of time is spent on the proper use of their nature this class is designed to teach not only the students ut also the advanced riders wanting to develop their ridir nay be repeated three times.	al-aids. Riding with little or no	ASCI 229 Hours:	akes them work. EQUINE RACING INDUSTRY SHORT TERM CLASS (Total Hours 54.5) 12 Lecture/Discussion	1 UNIT
ASCI 121a-d	PHYSICAL EDUCATION FOR THE EQUESTRIAN	1 UNIT	This Covins	8 Lab 34.5 Homework	
Hours:	.5 Lecture/Discussion 1.5 Activity 1.0 Homework		track operation	Science class is a study of the California Racing ons, management, rules of the horse race and the is course includes a mandatory field trip.	
an understand	I: PE 121a-d ivity course designed to improve the individual's overall ding and application of the basic principles and technique s repeatable three times.		ASCI 260 Hours:	SHEEP EXHIBITING & SHOW PREPARATION SHORT TERM CLASS (Total Hours 52.5) 18 Lecture 34.5 Homework	
ASCI 123 Hours:	HORSE PRODUCTION 3 Lecture/Discussion 1 Lab ce 123 involves the intense care of a breeding herd. The	3 UNITS	exhibit either equipment an	urse is designed for the student, 4-H leaders and F market or breeding sheep. Livestock show ethics d techniques, and conditioning of sheep will be cove wn sheep or lab sheep will be available.	and rules, fitting
a hands-on a Farm. This ir	pproach to the care, feeding, and breeding of the hors ncludes the care of the brood mares before, during, ar concerns for a herd of horses, and experiences worki	ses at the COS id after foaling,	ASCI 270 Hours:	LLAMA MANAGEMENT AND USES SHORT TERM CLASS (Total Hours 52.5) 17.5 Lecture/Discussion 35 Homework	1 UNIT
ASCI 124a-b Hours:	COLT BREAKING 2 Lecture/Discussion 2 Lab	2 UNITS	the science	s designed to create an understanding of the llama of llama management, the course will offer pract ding, health concerns and uses of the llama, the onl	ical knowledge in
horse for the will learn the This class is	e: \$5.00 will learn the proper way to catch, groom, saddle, bri first time. A great deal of time is spent on ground wor proper method of lounging, driving the young horse frr designed to teach not only the students with little or advanced riders wanting to develop their colt-breakin	k. The student om the ground. no experience,	ASCI 271 Hours:	ADVANCED LLAMA TRAINING SHORT TERM CLASS (Total Hours 17.5) 8 Lecture/Discussion 9.5 Lab 35 Homework s an advanced training and packing course of the	1 UNIT
	may be repeated once.	-	llama nutritio	n and health while on the trail will be covered. Tra be stressed and utilized.	

ANIMAL SCIENCE

3 UNITS

ANIMAL SCIENCE

ASCI 272	LIVESTOCK INDUSTRY INTRODUCTION	3 UNITS	ARCH 11	ENVIRONMENTAL DESIGN FUNDAMENTALS
Hours:	3 Lecture/Discussion		Hours:	2 Lecture/Discussion
	1 Lab			2 Lab
	5 Homework			5 Homework
This class is	s an introductory course to the Livestock Industry. T	opics will include	Through ex	ploration of the theories, processes and methods of
exploration	of breeds, products, markets and management skill	s. This course is	design and t	he analysis of the built environment, students will acqui
for the novi	ce stockperson.		and knowle	dge necessary for success in the fields of archited
			[, interior design, structural engineering, construction
	ANTHROPOLOGY			nning. This course emphasizes three-dimensional de-
				lesign communication, utilizing both traditional metho
				models and images. Recommended for students
ANTH 4	PRE-COLUMBIAN ART AND	3 UNITS	environment	tal or graphic design.
	CULTURE OF THE AMERICAS: MESOAMERI	CA		
Hours:	3 Lecture/Discussion		ARCH 20	INTRODUCTION TO GRAPHICS &
Cross Ref:				PERSPECTIVE
) FOR DISTANCE LEARNING		Hours:	2 Lecture/Discussion
•	the major cultures of Mesoamerica from the Early H	-		2 Lab
	in conquest. The course uses art as a vehicle for u	•		6 Homework See: \$1 0.00
	ilosophy, religion, politics, history, and economics.			introduces the basic graphic techniques used in desig
	otec, Tajin, Mixtec, Maya and Aztec. Anthropology 4	is <u>NOT</u> open to		n traditional hand drawing techniques and computer in
students wh	o have completed or are enrolled in ART 4.		•	elements of form, theories of space and perception
ANTH 5	PRE-COLUMBIAN ART AND CULTURE OF	3 UNITS		c and isometric projection, mechanical perspective, c
ANIN 3	THE AMERICAS: CENTRAL AND SOUTH AM	• • • • • •		and shadows are introduced. The course is recommend
Hours:	3 Lecture/Discussion	IERIGA		of environmental design.
nours.	6 Homework		,,	
Cross Ref:			ARCH 21	BASIC GRAPHICS
	FOR DISTANCE LEARNING		Hours:	2 Lecture/Discussion
	the major cultures of Central and South America from	the Early Hunters		3 Lab
	the European conquest. The course uses art			4 Homework
•	ng this culture's philosophy, religion, politics, history		Materials F	
Anthropology	E in NOT away to actude to take house associated as one a		This course	introduces graphic techniques used in the represe

This course introduces graphic techniques used in the representation of threedimensional forms and environments. Freehand and constructed drawing techniques, and computer image generation, are used to explore space and form, composition, color theory and use, shades and shadows, texture and materials, and entourage. The course is recommended for students in any field of environmental or graphic design.

ARCH 40 STRENGTH OF MATERIALS **3 UNITS** Hours: **3 Lecture/Discussion**

Architecture 40 introduces the basic principles of structural systems, structural design, and the structural properties of the materials used in the construction of buildings. Topics include loads on buildings, force systems, equilibrium, trusses, shear, moments and arch and cable structures.

Advisory On Recommended Preparation: MATH 75 and PHYS 5 or equivalent college courses with "C" or better.

ARCH 120 FREEHAND DRAWING Hours: 2 Lecture/Discussion

2 Lab 5 Homework

This is the initial course in freehand drawing. It is an intensive application of the media and techniques for developing interpretative and conceptual drawings within an environmental design context. The architectural entourage is the subject matter for graphical problem solving and commutative skill development. This class is required for all students majoring in architecture and is recommended for students interested in any design profession.

ARCH 131	LIGHT WOOD FRAME	3 UNITS
	CONSTRUCTION	
Hours:	3 Lecture/Discussion	
	3 Lab	
Materials Fe	ee: \$10.00	

An introduction to residential and light commercial building construction and construction documents including typical materials and systems, methods, codes, and cost estimating. Working drawings and specifications will be prepared for a residence or small commercial structure.

ARCH 10 INTRODUCTION TO ARCHITECTURE AND ENVIRONMENTAL DESIGN 2 Lecture/Discussion

Hours: 2 Lab

5 Homework

Introduction to creative problem solving within the professional fields of environmental design, specifically: Architecture, engineering, landscape architecture, interior design, construction, and city, urban and regional planning. The elements and principles of design and design processes are introduced as a basis for architectural analysis.

ARCHITECTURE

3 UNITS

Anthropology 5 is NOT open to students who have completed or are enrolled in ART 5.

ANTH 10 CULTURAL ANTHROPOLOGY Hours: 3 Lecture/Discussion

Cultural Anthropology is a multi-disciplinary subject encompassing the studies of extinct and extant cultures (archaeology and ethnology) around the world. Emphasis is placed on the equality of man, his economic systems, religions, politics, kinships, personalities, social structures, linguistics, and cultural changes. CAN ANTH 4

Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

ANTH 11 PHYSICAL ANTHROPOLOGY **3 UNITS** Hours: 3 Lecture/Discussion

The course discusses the behavioral characteristics of the living primates, the emergence of man and the evidence presented by human fossils. Human genetics and the probable reasons for human variation are considered, as is the physical adaptation of the human species to its environment. CAN ANTH 2

Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

ARCHITECTURE

s of environmental

quire the basic skills itecture, landscape ction and city and design and compohods and computer nts in any field of

ARCH 20	INTRODUCTION TO GRAPHICS & PERSPECTIVE	3 UNITS
Hours:	2 Lecture/Discussion	
nours.	2 Lab	
	6 Homework	
Materials Fo	<u>ee: \$10.00</u>	
This course	introduces the basic graphic techniques used in d	lesion communication

sign communication r image generation. ption, composition, , critical evaluation, udents

shades and shadows are introduced. Iny field of environmental design.	The course is recommended for studen
CH 21 BASIC GRAPHICS	3 UNITS

3 UNITS

3 UNITS

Course Descriptions

ARCHITECTURE

ARCH 141 STRESS ANALYSIS	3 UNITS	ART 2	ART HISTORY	3 UNITS
Hours: 3 Lecture/Discussion 6 Homework		Hours:	3 Lecture/Discussion 6 Homework	
An introduction to the basic principles of structural integrity and subsystems and methods of analysis. Students will analyze an columns, indeterminate structures, and connections. The ef- hydrostatic pressures on structural systems will be explored.	nd design beams,	The interrela	he development of art from the Paleolithic era thr ationships between art and religion, politics, re major foci of study. CAN ART 2.	
Prerequisite: ARCH 40 or equivalent college course with "C" or b skills and knowledge as determined by departmental assessm		ART 3 Hours:	ART HISTORY 3 Lecture/Discussion 6 Homework	3 UNITS
ARCH 150 COMPUTER ANALYSIS OF BUILDING ENERGY U Hours: 2 Lecture/Discussion 2 Lab	JSE 2 UNITS	the Proto-R	the history of art of the Western world and its so enaissance to the present. Illustrated lecture to ART 3. CAN ART 4.	
<u>Materials Fee: \$10.00</u> A basic course in the application of computer programs approve Energy Commission to demonstrate compliance with California	Energy Commis-	ART 4	PRE-COLUMBIAN ART AND Culture of the Americas: Mesoam	3 UNITS MERICA
sion to demonstrate compliance with California Building Efficience 24) of new and remodeled residential and nonresidential buil	dings. Computer	Hours:	3 Lecture/Discussion 6 Homework	
analysis of building heating and cooling requirements, and design building energy efficiency.	in applications for		FOR DISTANCE LEARNING	sty Hustore stage until
ARCH 160 MATERIALS OF CONSTRUCTION Hours: 3 Lecture/Discussion 6 Homework	3 UNITS	the Europea peoples' phi	the major cultures of Mesoamerica from the Ea n conquest. The course uses art as a vehicle for losophy, religion, politics, history, and econom otec, Tajin, Mixtec, Maya and Aztec.	or understanding these
An introduction to the materials and systems of materials construction. The course combines the theories of materials a			<u>OT</u> open to students who have completed or an	e enrolled in ANTH 4.
practical applications of these theories. Field trips will be made sites of various types of structures under construction.		ART 5	PRE-COLUMBIAN ART AND CULTURE OF THE AMERICAS: CENTRAL AND SOUTH AMERICA	3 UNITS
ARCH 161a-d COMPUTER ASSISTED ARCHITECTURAL DETAILING	3 UNITS	Hours:	3 Lecture/Discussion 6 Homework	
Hours: 2 Lecture/Discussion 3 Lab		Cross Ref: APPROVEL	ANTH 5 FOR DISTANCE LEARNING	
4 Homework <u>Materials Fee: \$10.00</u> An up-to-date and comprehensive exploration of CAD and comp rendering for the architectural/engineering design professions ar industry. While developing a greater knowledge of building mate	d the construction	Stage until understandi	the major cultures of Central and South America the European conquest. The course uses ng these peoples' philosophy, religion, politics, h <u>I</u> open to students who have completed or are	art as a vehicle for istory, and economics.
tion practices students will learn correct and efficient producti documents, computer-aided visualization and form generation computer rendering techniques and the application of computer time simulation and walk-throughs. This course may be repeal	on of construction as design tools, animation for real-	ART 6 Hours: Cross Ref:		3 UNITS
ARCH 221a-c PERSPECTIVE ALTERNATIVES Hours: 3 Lecture/Discussion 3 Lab	3 UNITS	This is a ba with elemen	ee: \$10.00 sic course in art with a primary purpose of far ts and principles used in design art. It includes upe, line and color in second dimensions. CAP	fundamental concepts
3 Homework A study of the fundamental concepts, principles, and application architectural perspective and rendering techniques. By utilizing underlayment sheets, and photographs students will generate fir renderings. This course is an invaluable career asset for per architecture, illustration, building trades, and interior design.	charts, entourage, ished architectural		<u>ee: \$10,00</u>	3 UNITS
ART		design into a	ourse in art with a primary purpose of develop a student's personal style. A continuation of desig bds. CAN ART 16.	
ART 1 ART APPRECIATION	3 UNITS	Advisory (On Recommended Preparation: ART/CFS 6 "C" or better.	or equivalent college
Hours: 3 Lecture/Discussion 6 Homework APPROVED FOR DISTANCE LEARNING		ART 8 Hours:	DRAWING FUNDAMENTALS 2 Lecture/Discussion	3 UNITS
Art 1 introduces the student to a wide range of approaches to the a study of the personal, social, and physical functions of the arts to of the elements and principles of design and their utilization in vi course also includes an abbreviated survey of the major period history.	o an understanding sual analysis. The	drawing. Le and shading	2 Lab see: \$10.00 rse designed to introduce the beginning student ecture and studio practice emphasize such funda g, use of a pencil, markers, ink, and charcoal. ed for beginning art majors and persons wishing	mentals as perspective This course is strongly
			munication. CAN ART 8.	

ART

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ART			ART			
ART 9 Hours:	DRAWING COMPOSITION 2 Lecture/Discussion 2 Lab	3 UNITS	ART 16a-c Hours:	ADVANCED PRINTMAKING 1 Lecture/Discussion 4 Lab	3 UNITS	
Materials Fe	e: <u>\$10.00</u> mester drawing course exploring the exp	pressive and compositional	Materials Fe	4 Homework ae: \$20.00		
aspects of o	rawing. n Recommended Preparation: ART 8 o		An advanced course emph	d course in the traditional intaglio/relief prin asizes professional development in the areas Students are encouraged to further develop	of design, production and	
ART 10a-d	FIGURE DRAWING	3 UNITS	CAN ART 20	is printmaking experiences. This course ma 0 (includes ART 15 and 16a).		
Hours:	1 Lecture/Discussion 5 Activity 3 Homework			In Recommended Preparation: ART 15 "C" or better, or comparable knowledge a		
Materials Fe	e: \$10.00		ART 17a-d Hours:	HANDBUILDING CERAMICS 1 Lecture/Discussion	3 UNITS	
the human fi	ovides students the opportunity to learn v gure. Both traditional and contemporary st	yles and techniques will be	nours.	5 Lab		
repeatable th	udents will work from live models and oth ree times.	her sources. This course is	Materials Fe	3 Homework se: <u>\$20.00</u>		
	: ART 8 or equivalent college course wi	th a "C" or better.		covers the fundamentals of ceramics and ha		
ART 11a-d Hours:	SCULPTURE 1 Lecture/Discussion 5 Lab	3 UNITS		is course may be repeated three times. CAN		
<u>Materials</u> Fe	3 Homework		ART 18a-d Hours:	WHEEL THROWN CERAMICS 1 Lecture/Discussion	3 UNITS	
This course	in sculpture is designed to develop aware			5 Lab 3 Homework		
emphasis is o	storical and contemporary three dimension on personal expressions through a variety or	f materials and a wide range	<u>Materials</u> Fe			
of possible a	pplications. This course may be repeated 11a and ART 11b.	three times. CAN ART 12	with the prim	is an overview study of materials, methods ary emphasis on utilization of the potters when rowth and stimulate individual creative expr	el. This course is designed	
ART 12a-d	WATERCOLOR PAINTING	3 UNITS	medium. Thi	s course may be repeated three times.		
Hours:	2 Lab 2 Activity			n Recommended Preparation: ART 17a se with a "C" or better.	or 1/b or an equivalent	
Materials F	5 Homework <u>se: \$10.00</u>		ART 23a-d	MACINTOSH BÁSICS FOR ARTISTS &	3 UNITS	
	and techniques of watercolor painting as ing exercises. Studio practice in figurative,		Hours:	DESIGNERS 2 Lecture/Discussion		
	ng watercolor media. This course is repe			4 Lab 3 Homework		
ART 13a-d	STUDIO PAINTING	3 UNITS	1	Basics for artists will enable visual artists		
Hours:	1 Lecture/Discussion 5 Activity			d applications such as Adobe Photoshop, Il for creative design and visual communi		
	3 Homework studio practice in the theory, techniques, a		will also lea	imaging, desktop publishing, and animation w rn trouble-shooting skills for hardware and be repeated three times.		
Advisory Or	on oil and acrylic mediums. Can be rep Recommended Preparation: ART/CFS ses with "C" or better.		Advisory of	n Recommended Preparation: ART/CFS "C" or better.	6 or equivalent college	
ART 15 Hours:	PRINTMAKING 1 Lecture/Discussion	3 UNITS	ART 25a-d Hours:	DIGITAL IMAGING FOR ARTISTS 2 Lecture/Discussion	3 UNITS	
	4 Lab 4 Homework			4 Lab 3 Homework		
Materials Fe	e: \$20.00			ng for artists will enable visual artists to exp		
printmaking t	rse designed to introduce the beginning echniques. The emphasis of the class is the	ne relief/intaglio printmaking	and state-of-	g images to creating and printing photo collar the-art imaging software, particularly Adobe F		
•	hich include etching (metal/plastic), bloc nonoprint. CAN ART 20 (includes ART 15		Advisory or	may be repeated three times. • Recommended Preparation: Basic compental assessment.	outer skills as determined	
			ART 101a-d	ARTS AND CRAFTS	3 UNITS	
			Hours:	2 Lecture/Discussion 2 Lab		
				5 Homework		
			Materials Fe This course	ee: <u>\$20.00</u> provides an emphasis on exploratory exper	iences with and the use	
			of, a wide v	ariety of art media, techniques and applica	tions. This course would	
				Il arts majors, teaching majors, art majors a operience in art or crafts is necessary. This		
			three times.		course may be repeated	

ART

ART

ASTRONOMY

ASTR 10 INTRODUCTION TO ASTRONOMY Hours: 3 Lecture/Discussion

A survey course covering the basic concepts, theories, history, and laws of astronomy. Emphasis will be given to motions of the moon, sun, and planets; use of astronomical instruments; study of stellar spectra; properties of the stars; planetology and characteristics of the bodies of our solar system. Laboratory and observation sessions acquaint the student with the tools and methods used in acquiring knowledge about the universe.

Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures; and MATH 230 or equivalent college course with "C" or better, or eligibility for MATH 21, 45, 70, 61, 75 or 154 determined by COS Placement Procedures.

AUTOMOTIVE TECHNOLOGY

AUTO 100	SAFETY, BENCH WORK AND SERVICE	2 UNITS
	PROCEDURES	
Hours:	2 Lecture/Discussion	
	2 Lab	
	2 Homework	
Automotive T	echnology 100 is the first course in the Automotive	Program and is
recommende	d for all Automotive Technology Students. Topics the	at will be covered
are developm	ent of shop skills, safe conduct and use of tools, fa	istener tightening
	and a first state of the state	All a set the second second

recommended for all Automotive Technology Students. Topics that will be covered are development of shop skills, safe conduct and use of tools, fastener tightening procedures, bolt size selection, use of correct fluids, tire construction and service, service writing procedures, service and parts sales and the "Write it Right" program from the Bureau of Automotive Repair.

AUTO 101	AUTOMOTIVE ELECTRICAL AND	4 UNITS
	ELECTRONIC SYSTEMS	
Hours:	3 Lecture/Discussion	
	4 Lab	
	5 Homework	

AUTO 101 is a study course of the automotive electrical and electronic systems. Instruction covers the inspection, testing and repair of the total electrical system and component parts. The lab portion of the course is conducted in a service and repair type atmosphere which allows the students to receive as much hands-on experience as possible.

Corequisite: AUTO 100 unless previously completed with a "C" or better or an equivalent college course with "C" or better or equivalent skills and knowledge as determined by departmental assessment.

AUTO 102 AUTOMOTIVE FUEL AND COOLING SYSTEMS 3 UNITS Hours: 2 Lecture/Discussion

4 Lab

3 Homework

A core course in automotive fuel and cooling systems. Instruction covers the testing and repair of the complete automotive fuel system; cooling system operation, testing and repair; emission control systems inspection and repair. The student will be working with both trainer models and operational units.

Corequisite: AUTO 100 and 101 unless previously completed with a "C" or better, or equivalent college courses with a "C" or better, or equivalent skills and knowledge as determined by departmental assessment.

AUTO 103	AUTOMOTIVE ENGINES	4 UNITS
Hours:	2 Lecture/Discussion	
	6 Lab	

Instruction in the construction, theory and repair of the automotive engine. The lab work will require that the student perform the necessary steps to rebuild an automobile engine. The student will be required to furnish an engine for their lab work.

Prerequisite: AUTO 100 and 101 or equivalent college courses with a "C" or better.

AUTOMOTIVE TECHNOLOGY

Course Descriptions

AUTO 104 AUTOMOTIVE POWER TRAIN

Hours: 2 Lecture/Discussion

3 UNITS

4 Lab 3 Homework

A study of the mechanical transmission of power utilized in the modern automobile and light truck. Study includes clutch operation and repair; three, four, and five speed transmission operation and repair; drive shaft, differential, an drive axle operation and repair.

Corequisite: AUTO 100 and 101 unless previously completed with a "C" or better, or equivalent college courses with a "C" or better, or equivalent skills and knowledge as determined by departmental assessment.

AUTO 105 AUTOMOTIVE BRAKES AND BRAKING SYSTEMS

Hours: 2 Lecture/Discussion

4 Lab

3 Homework

This course covers new concepts and repair procedures as well as the fundamentals affecting the service and maintenance of the automotive hydraulics pneumatics, bakes and braking systems. Instruction in anti-lock braking systems, associated electronics and the safe and proper use of shop tools and equipment for service and repair procedures will be included.

Corequisite: AUTO 100 and 101 unless previously completed with a "C" or better, or equivalent college courses with a "C" or better, or equivalent skills and knowledge as determined by departmental assessment.

AUTO 106	AUTOMATIC TRANSMISSIONS	4 UNITS
Hours:	2 Lecture/Discussion	
	6 Lab	
	A 11 - 6	

4 Homework

A study of automotive transmissions and transaxles currently used in domestic and import automobiles and light trucks. Study includes torque converter operation and diagnosis: hydraulic system function and diagnosis; planetary gear theory and application. These theories and principles are then put into practice by overhauling specified two and three speed automatic transmissions.

Prerequisite: AUTO 100 or equivalent college courses with "C" or better.

AUTO 107 ADVANCED AUTO TRANSMISSIONS 3 UNITS Hours: 2 Lecture/Discussion 4 Lab

An advanced course in automatic transmission service and repair. The student will have already passed the basic course and will be ready to deal with today's more sophisticated transmissions. The course is generally directed toward the Chrysler, Ford, and General Motors automatic overdrive transmissions. Automatic transaxles are also covered in the course of study.

Prerequisite: AUTO 100, 101, and 106 or equivalent college courses with "C" or better.

AUTO 108 AUTOMOTIVE ENGINE TUNE-UP

3 Lecture/Discussion

Hours:

6 Lab 6 Homework

Instruction in advanced electrical theory, related to the entire electrical system, transistor ignition and regulation. Transistor, distributor and alternator overhaul. Tune-up and troubleshooting of the engine and related circuits.

Prerequisite: AUTO 100 and 101 or equivalent college courses with "C" or better; or equivalent skills and knowledge as determined by departmental assessment. AUTO 102 or equivalent college course with "C" or better (at a minimum AUTO 102 should be taken concurrently.)

AUTO 109	AIR CONDITION AND ACCESSORIES	3 UNITS
Hours:	2 Lecture/Discussion	
	4 Lab	

3 Homework

Instruction in most automotive accessories with emphasis in heating and air conditioning system diagnosis and repair.

Prerequisite: AUTO 100 and 101 or equivalent college courses with "C" or better or equivalent skills and knowledge as determined by departmental assessment. Can be taken concurrently.

5 UNITS

3 UNITS

3 UNITS

AUTOMOTIVE TECHNOLOGY

AUTO 112 Hours:	ADVANCED AUTOMOTIVE FUEL INJECTION 3 UNITS 3 Lecture/Discussion	AUTO 263a-0 Hours:	J CLEAN AIR CAR COURSE 4 Lecture/Discussion	5 UNITS
nours.	1 Lab	nours.	3 Lab	
	s an in-depth study of automotive fuel injection systems and related		8 Homework	
	trol devices. Instruction covers from basic mechanical fuel injection		Air Car course is designed to prepare studer	
	ectronic fuel Injection systems. Included for each system is its peration, components, basic testing and servicing, and diagnostic alds		Repair Smog Check licensing exam. The prere- se for licensing purposes is one year of trade	
and procedu			rmance and tune up, or equivalent formal edu	
	n Recommended Preparation: AUTO 202 or equivalent college		However, other interested parties are allowed	
	C" or better, or recommendation of department.	will not be	certified as eligible to take the State licen	sing examination. This
			be repeated three times.	
AUTO 113	COMPUTERIZED ENGINE CONTROL 3 UNITS		n Recommended Preparation: AUTO 100,	
Hours:	2 Lecture/Discussion 4 Lab		t college courses with "C" or better; or one year e performance and emissions area; or rela	
	3 Homework		as determined by departmental assessment	
Instruction in	advanced electrical theory related to computerized engine controls,	1		
	ng and repair of computer control systems on the modern automobile.	AUTO 265	ELECTRIC AND ALTERNATIVE FUEL	
Corequisite:	: AUTO 108 should be taken concurrently.	1	SHORT TERM CLASS (Total Hours: 81)
AUTO 115	AUTOMOTIVE STEERING, ALIGNMENT AND 3 UNITS	Hours:	18 Lecture/Discussion 9 Lab	
AUTO TIS	SUSPENSION		54 Homework	
Hours:	2 Lecture/Discussion	A study of a	Iternative fuels and electric powered vehicles	that are available and in
	4 Lab		transportation industry today. This course	
	3 Homework		ectric vehicles, compressed natural gas (cng	
	ts and procedures as well as the fundamentals affecting the service	liquefied per	troleum gas (lpg). This course will explain I	egislative and regulatory
	ance of vehicle front and rear suspension, alignment, and steering be taught. Instruction in steering columns, automatic level ride systems		cerning alternative fuel vehicles.	
	ed electronics, and the safe and proper use of shop tools and equipment		AUTOMOTIVE WHEEL ALIGNMENT	2 UNITS
will be cove			AND SERVICE	
	AUTO 100 and 101 unless previously completed with a "C" or better,	Hours:	2 Lecture/Discussion	
	college courses with a "C" or better, or equivalent skills and knowledge		1 Lab	
as determine	ed by departmental assessment.	Instruction in	3 Homework a automotive front wheel alignment, steering ge	annotau front suspension
AUTO 122	ADVANCED ENGINE PERFORMANCE 3 UNITS		ad wheel balancing.	sometry, nont suspension
	DIAGNOSIS			
Hours:	3 Lecture/Discussion	AUTO 300	AUTOMOTIVE FAMILIARIZATION	1.5 UNITS
	1 Lab	Hours:	SHORT TERM CLASS (9 weeks)	
This course (5 Homework provides advanced diagnostic and troubleshooting skills for automotive		2 Lecture/Discussion 1 Lab	
	nicians. The design, function and operation of modern test equipment		2 Homework	
	scopes, scan tools and digital multimeters will be included.		nics 300 is a nine week survey course in aut	omotive technology. The
Advisory or	n Recommended Preparation: AUTO classes 101, 102, 113, 108	course of s	study includes batteries, starters, ignitions	systems, fuel systems,
	equivalent college courses with "C" or better or equivalent skills and	charging sy	stems, brakes, tires and wheels.	
knowledge a	as determined by division assessment.	AUTO 499	PROFESSIONAL TECHNICIAN	0 UNITS
AUTO 201a-c	ASE CERTIFICATION PREPARATION COURSE 1.5 UNITS	A010 433	UPDATE	U UNITU
	SHORT TERM CLASS (Total Hours 81)	Hours:	Lecture/Discussion as arranged by ir	structor
Hours:	36 Lecture/Discussion		ion to current and advanced automotive techr	
المعقوب بال	45 Homework	technicians	up to date on changes in the industry.	
	and examinations in engines, transmissions, steering-suspension, rical, heating, air conditioning and tune-up. Preparation for the Nationa			
	Automotive Service Certification. This course may be repeated three			
times.				
	Recommended Preparation: Completion of appropriate automotive			
	equivalent knowledge and skills learned through experience.			
Corequisite:	AUTO 100 and 101 if not previously taken.			
AUTO 202	AUTOMOTIVE FUEL INJECTION 3 UNITS			
Hours:	3 Lecture/Discussion			
	6 Homework			
	s an in-depth study of automotive fuel injection systems. Instruction			
	g, diagnosis and repair of modern electronic fuel injection systems. Fue s and support components of the automotive fuel system are covered			
in the course				
	Recommended Preparation: AUTO 100 and 101 with a "C" or better			
	t skills and knowledge as determined by departmental assessment			
		1		

AUTOMOTIVE TECHNOLOGY

3 UNITS

4 UNITS

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BIO	LOGY			BIC
BIOL 1 PRINCIPLES OF BIOL Hours: 3 Lecture/Discussion 6 Lab 6 Homework	DGY	5 UNITS	BIOL 22 Hours:	ANIMAL BIOLOGY 3 Lecture/Discussion 2 Lab ral principles course in an
Biology 1 is the first semester of a two majors. The course covers the princi biochemistry, cell structure and function Mendelian genetics, cellular respiration, p structure, organ system functions and methods of science, and experimental Advisory On Recommended Preparat course with "C" or better.	ples and applications of h, homeostasis, cell divisio lus the taxonomy, developr behavior of animals. The design are emphasized. (basic chemistry, n, molecular and nent, comparative philosophy and CAN BIOL 4	requirement for the scientific r and ecology a who have rec Advisory Or	ta principles coulse in an or transfer students who nethod, evolution and ad are emphasized in class seived credit for BIOL 1 n Recommended Prej C" or better, or eligibility
BIOL 2 PRINCIPLES OF BIOLO Hours: 3 Lecture/Discussion 6 Lab 6 Homework The second semester of a general pr include microbiology, the comparative taxonomy of plants. Population genetics, of population and community econolo considered. Laboratory exercises include Prerequisite: BIOL 1 or equivalent co	inciples course for Biolog re anatomy, physiology, the mechanisms of evolut gy, and community inter le several local field trips illege course with "C" or l	phylogeny and ion, the principles actions are also . CAN BIOL 6 better.	of human soc ecosystem str projected long agriculture, th resources, an Advisory Or	HUMAN ECOLOGY 3 Lecture/Discussion ourse covers ecological ieties as agents of eco- ucture and function; mod- range results of their ar- e survival of plant and a d the pollution of water, a Recommended Prep C" or better, or eligibility
Advisory on Recommended Prepara courses with "C" or better. BIOL 20 FRONTIERS IN BIOLO Hours: 3 Lecture/Discussion 3 Lab		quivalent college 4 UNITS	with enough a	HUMAN ANATOMY 3 Lecture/Discussion 3 Lab a general survey coursu natomical principles nec
6 Homework A general principles course for transfer s principles of homeostasis, genetics, ecology will be used to explore contemp who have received credit for BIOL 1. Advisory On Recommended Prepa course with "C" or better, or eligibility f Procedures.	energy flow, evolution, r orary topics in biology. Not ration: ENGL 251 or ec	eproduction and open to students julvalent college	solving which utilized by the This course w in human ana year colleges	A systems approach bas utilizes creative thinking International Committee illi satisfy the needs of he tomy. Units received fro and universities. The or her choice to be cer o.

BIOL 20H	FRONTIERS IN BIOLOGY - HONORS	4 UNITS	BI
Hours:	3 Lecture/Discussion		Ho
	2 Lab		í
	1 Honors Colloguium		
A general pri	noision equipo for transfer students that are not life a	alanan malara Tha	010

A general principles course for transfer students that are not life-science majors. The principles of homeostasis, genetics, energy flow, evolution, reproduction and ecology will be used to explore contemporary topics in blology. Not open to students who have received credit for BIOL 1.

Limitation On Enrollment: Acceptance into the COS Honors Program.

BIOL 21	PLANT BIOLOGY	3 UNITS
Hours:	3 Lecture/Discussion	
	2 Lab	

This is a general principles course in plant blology for the nonbiology major. The principal topics included are: general characteristics of plants, plant survey, methods of classification and nomenclature, plant structure and function, growth and development, reproduction and genetics, and ecology. (Not open to students who have received credit in BIOL 2.)

Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

DLOGY

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nimal biology designed to help meet a laboratory are not life-science majors. The principles of laptation, bioenergetics, homeostasis, genetics, and field activities. It is not open to students

paration: ENGL 251 or equivalent college y for ENGL 1 determined by COS Placement

3 UNITS

principles and the historic and modern impact system modification. Topics covered include: dern human societies and the short-range and ctivities in such areas as population, food, and animal species, the use of mineral and energy air, and land.

paration: ENGL 251 or equivalent college y for ENGL 1 determined by COS Placement

OL 30	HUMAN ANATOMY	
ours:	3 Lecture/Discussion	
	3 Lab	

e designed to acquaint the beginning student cessary to understand the basic structure of the sed on the histology of organs is used. Problem g, critical thinking, analysis and reasoning as e for Anatomical Nomenclature is emphasized. ealth and life science majors requiring a course om this course are usually transferable to fourstudent is urged, however, to check with the rtain specific needs will be satisfied.

BIOL 31	HUMAN PHYSIOLOGY	4 UNITS
Hours:	3 Lecture/Discussion	
	3 Lab	
	6 Homework	
Blology 31	is a course designed to acquaint the beginning	student with enoug

Blo physiological principles necessary to understand the basic functioning of the human body. The basic principles of homeostasis and cellular functions are emphasized while covering the topics of muscular, neural, endocrine, cardiovascular, respiratory, disestive, renal, immue and reproductive physiologies. Laboratory experiments and exercises are designed to reinforce theories and processes described in lecture and to introduce students to basic physiological scientific investigation. CAN BIOL 12 Advisory on Recommended Preparation: BIOL 30; and CHEM 1, 20, 30 or equivalent college courses with "C" or better.

BIOL 40	GENERAL MICROBIOLOGY	4 UNITS
Hours:	3 Lecture/Discussion	
	2 ah	

This is a basic foundation course designed primarily for students entering the health sciences, home economics, and related fields. Depending upon the transfer school, this class also meets the needs of life science majors. This course covers development of the science of microbiology through modern times; anatomy, morphology and physiology of microbes; techniques of cultivation and identification; growth control measures (physical, chemical, chemotherapeutic) plus isolation and disposal techniques for contaminated materials; medical microbiology (disease and infection, host defenses/immunology, epidemiology and public health measures); water microbiology (treatment, testing, and hazards); food and dairy microbiology (emphasis on safety and sanitation); as well as aspects of industrial microbiology. Attention is given to theory as well as to practical application. CAN BIOL 14. Advisory On Recommended Preparation: CHEM 20 or equivalent college course with "C" or better; and any college level biology course.

BUILDING TRADES

(NOTE: The Building Trades discipline has been renamed "Construction Technology." You can contact the Industry and Technology Chairperson for any concerns you might have.)

BUSINESS

BUS 18	BUSINESS LAW	4 UNITS
Hours:	4 Lecture/Discussion	
This course is	an introduction to the American legal system.	Topics include source

of law; administrative, criminal, tort, labor law; economic regulation and legal aspects of international trade; ethics, labor, agency law, and computer torts. CAN BUS 12

BUS 20	BUSINESS STATISTICS	3 UNITS
Hours:	3 Lecture/Discussion	

This course is intended for business administration majors or anyone who wishes to gain an understanding of elementary data analysis, probability and statistics. The main course content incorporates the techniques and applications of probability, data analysis, and statistics such that the student will acquire a working knowledge of those statistical principles and methods of analysis which will be of material benefit in analyzing and interpreting data and for conducting independent research of business and economic problems. A high level of mathematical business and economic problems. A high level of mathematical sophistication and dedication is required for successful completion of this course.

Prerequisite: MATH 230 or equivalent college course with "C" or better; or eligibility determined by COS Placement Procedures. Placement testing requirement may be waived (see Matriculation Policies; Exemption Criteria for Assessment).

BUS 25	CONSTITUTIONAL LAW INTERPRETATION:	3 UNITS
	CIVIL LIBERTIES, FACT AND FALLACY	
Hours:	3 Lecture/Discussion	
Cross Ref:	GOVT 25	
	AJ 25	

This course allows students to study and apply logic and critical thinking to written and oral communication through the study of the fundamental rights as protected by the United States Constitution. Business 25 will develop an understanding of the role of the courts and key court cases interpreting individual rights. Students will develop the skills to analyze others' arguments, produce their own arguments and develop solutions to problems utilizing the case study method in legal research and analysis. Students will be required to write a total of 6,000 to 8,000 words.

Advisory On Recommended Preparation: ENGL 1 and SPCH 1 or equivalent college courses with "C" or better.

BUS 82 INTRODUCTION TO BUSINESS 3 UNITS Hours: 3 Lecture/Discussion 3

Business 82 is an introductory course which examines the business enterprise. The course covers a wide range of topics which include social responsibility and business ethics; business organization and functions; the historical, environmental and economic setting of business; the human resource; the structure of American business; and management of business. For the business major, this course assists him/her in choosing an area of specialization and an orientation to the business administration field. For other students, this course will show them how the business system affects them in their role as wage earner or consumer.

Advisory On Recommended Preparation: ENGL 360 or equivalent college course with "C" or better, or eligibility for ENGL 251 determined by COS Placement Procedures.

BUS 119	QUANTITATIVE METHODS	3 UNITS
Hours:	3 Lecture/Discussion	
	6 Homework	

This is an introductory course for Business Administration majors designed to develop an appreciation of the value of quantitative methods in decision-making by formulation and solution of common business problems. Topics include linear models, matrix algebra, linear programming, finance, and an introduction to probability.

Prerequisite: MATH 230 or equivalent college course with "C" or better, or eligibility determined by COS Placement Procedures.

BUSINESS

BUS 127 INVESTMENTS

Hours: 3 Lecture/Discussion

3 UNITS

Students will become acquainted with alternative investments such as savings, stocks, bonds, mortgages, and other securities, mutual funds, credit unions, banks, real estate investment, trusts, insurance, portfolio management, and the operations of the financial markets.

Advisory On Recommended Preparation: ENGL 360 or equivalent college course with "C" or better, or eligibility for ENGL 251 determined by COS Placement Procedures.

BUS 162	ADVANCED KEYBOARDING	3 UNITS
Hours:	2 Lecture/Discussion	
	3 Lab	
Materials_	Fee: \$5.00	

Business 162 is an advanced keyboarding class which allows the student to demonstrate his/her proficiency in the application and knowledge of business situations, be able to key problems in various letter or table styles, verify information or look it up in the instructions within an acceptable time frame. Provides an opportunity to demonstrate speed and accuracy as well as an understanding of typical office problems such as keyboarding letters, legal documents, manuscripts, and business forms. Students are given experience in various types of office assignments including general offices, medical offices, legal offices, government, and financial offices. Advisory On Recommended Preparation: BUS 270 or equivalent college course

with "C" or better; and keyboarding speed of 40 cwpm.

BUS 170 INTRODUCTION TO SALES Hours: 3 Lecture/Discussion 3 UNITS

A practical course in retail sales principles and practices which emphasizes career opportunities, the current market environment, contemporary sales, techniques and the sales promotion. Open to all students considering permanent or part time retail sales positions. Required for marketing certificate, and the A.A./A.S. degrees in marketing, general business/clerical skills, and home economics fashion merchandising majors.

Advisory On Recommended Preparation: ENGL 360 or equivalent college course with "C" or better, or eligibility for ENGL 251 determined by COS Placement Procedures.

BUS 171 APPLIED PROFESSIONAL 3 UNITS SALESMANSHIP

Hours: 3 Lecture/Discussion

An examination, study, and analysis of general and individual factors and applied techniques which influence persons toward buying goods and services. The selling process is scientifically observed and implemented.

BUS 174MARKETING PRINCIPLES3 UNITSHours:3 Lecture/Discussion

This course provides basic understanding of marketing principles as well as training and experience in planning, producing, storing, promoting, selling and distributing commodities.

BUS 184	BUSINESS COMMUNICATIONS	3 UNITS
Hours:	3 Lecture/Discussion	
	F #F 00	

Materials Fee: \$5.00

The student entering this course should be proficient in English grammar. The course is designed to improve the student's communication skills. Written work will be done on personal computers using word processing software so that rewrites can be done easily. Business communication theory will be introduced. The student will learn the techniques of written and oral communications helpful in handling common business transactions--letters, memos, and reports.

Advisory On Recommended Preparation: ENGL 251 or BUS 293 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures; and computer wordprocessing skills.

BUSINESS

BUS 185 ETHICS IN BUSINESS AND INDUSTRY **3 UNITS** 3 Lecture/Discussion Hours:

Cross Ref: ITEC 185

This course is designed to better prepare students to deal with the many moral dilemmas they will inevitably face in their personal and professional lives. The focus of the class will be primarily on the application of ethics to contemporary issues occurring in today's business and industry. Students will research, discuss, analyze and reflect on issues such as accountability, loyalty, confidentiality, honesty, justice, education, discrimination, etc.

BUS 188	HUMAN RELATIONS	3 UNITS
	IN BUSINESS	
Hours:	3 Lecture/Discussion	

Students will become acquainted with those accepted patterns of behavior and performance standards which will enhance their skills in the workplace. The student learner will be exposed to management techniques applicable in his/her business, domestic, personal, and social life. Discussion and classroom material explores possible problems and solutions in management and employee relationships.

Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 as determined by COS Placement procedures.

BUS 230	SUPERVISION-MANAGEMENT FOR	3 UNITS
	THE FIRST-LINE SUPERVISOR	

3 Lecture/Discussion Hours:

Business 230 is designed to begin the process leading to a career in supervision or the first step toward higher management. This course will provide information to address the need for a cooperative effort among workers and their managers, and building a foundation necessary to practice successful supervision. Topics include obtaining and training an employee, appraising employee performance, counseling employees, handling discipline and grievances, understanding the group dynamics of an organization, understanding unions, coping with ethics and institutional politics, increasing productivity, and self-appraisal.

Advisory On Recommended Preparation: ENGL 360 or equivalent college course with "C" or better, or eligibility for ENGL 251 determined by COS Placement Procedures.

STARTING A NEW BUSINESS **BUS 231 3 UNITS** 3 Lecture/Discussion Hours:

This course prepares students for the many challenges of opening a new business. Students will learn about business plans, management, marketing and finances. They will also have a better understanding of the risks and opportunities presented when starting a new business.

Advisory On Recommended Preparation: Any general business class or previous business experience,

BUS 256 MEDICAL TERMINOLOGY **3 UNITS** Hours: 3 Lecture/Discussion

This course is designed to provide a foundation for the understanding of medical terminology using simple, nontechnical explanations of medical terms. The fundamentals of word analysis are explained to make the understanding of complex terminology easier.

Advisory On Recommended Preparation: ENGL 360 or equivalent college course with "C" or better, or eligibility for ENGL 251 determined by COS Placement Procedures.

BUS 258 PEOPLE, PROCEDURES, & TECHNOLOGY 4 UNITS FOR THE OFFICE PROFESSIONAL

4 Lecture/Discussion Hours:

A comprehensive course that prepares students to develop appropriate behaviors, attitudes and skills required to be successful as an office professional. Theory and basic principles of employer-employee relations, coworker relations, diversity issues, ethnics, business ethics, effective work habits, TQM principles, word processing applications, recordkeeping and transcription skills will be developed through classroom instruction and collaborative learning. This subject matter will be treated with a scope and intensity which will require students to study and utilize the computer lab independently outside of class time.

Advisory On Recommended Preparation: ENGL 360 or equivalent college course with "C" or better, or eligibility for ENGL 251 determined by COS Placement Procedures; computer word processing skills; and intermediate keyboarding skills.

BUS 260 CAREER DRESSING Hours: **1** Lecture/ Discussion

Cross Ref: FASH 260

Designed for students who want to update, enhance, and improve their career appearance. Specific methods for the selection of clothing and accessories suitable for the working environment are presented. Excellent preparation for all students desiring to make the right impression for interviews and career changes.

BUSINESS

RETAIL CAREER PREPARATION 1 UNIT BUS 265 Hours: SHORT TERM CLASS (Total Hours 52.5) 17.5 Lecture 35 Homework

Cross Ref: FASH 265

This course will help students prepare for employment in retail and sales. Instruction will emphasize job search techniques, resume, application and correspondence related to job search, interview and portfolio preparation and interview skills will also be enhanced towards the end of the certificate program.

Advisory On Recommended Preparation: It is advised for students to take this course the same semester they take WEXP 193.

BUS 266	PROFESSIONAL EMPLOYMENT	3 UNITS
	PREPARATION	
Hours:	3 Lecture/Discussion	

This course is designed to increase the student's understanding of researching jobs and organizations, employment interviewing, getting a job, professional development including communication skills by presenting theories, techniques, and principles behind these skills. Students will develop a personal portfolio.

Advisory On Recommended Preparation: ENGL 251 or BUS 293 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

BUS 268 ELECTRONIC CALCULATING 2 UNITS Hours: 2 Lecture/Discussion 4 Homework

Material Fee: \$4.00

This course introduces the students to the ten-key pad. Students will develop speed and accuracy using the touch methods, review the principles of arithmetic, and transfer the skills to the solution of business problems.

Advisory On Recommended Preparation: BUS 395 or MATH 360 or equivalent college courses with "C" or better, or recent completion of an arithmetic class.

BUS 270	COLLEGE KEYBOARDING, LEVEL 1	3 UNITS
Hours:	2 Lecture/Discussion	
	2 Lab	

Materials Fee: \$5.00

APPROVED FOR DISTANCE LEARNING

This course is designed to help students develop the strong keyboarding skills they need today along with the specific word processing, internet, and general computer application skills they will need for tomorrow. The Online Learning option includes lesson slides, quizzes, web links, enrichment material, flash cards, interactive exercises, and on-line reference of model documents.

COLLEGE KEYBOARDING, LEVEL 22 **BUS 271 3 UNITS** 2 Lecture/Discussion 2 Lab 2 Homework Materials Fee: \$5.00

APPROVED FOR DISTANCE LEARNING

This is an intermediate course with emphasis on business correspondence, forms, tables, manuscripts, and production keyboarding. The student will review the fundamentals of keyboarding and will strive to improve his/her speed and acccuracy not only on straight copy materials, but on forms and letters as well.

Advisory On Recommended Preparation: BUS 270 or equivalent college course with "C" or better, or one year of previous keyboarding/typing instruction.

1 UNIT

Course Descriptions

¹ Homework

BUSINESS

	•		
BUS 293 BUSINESS ENGLISH 4 UNITS Hours: 4 Lecture/Discussion	BUS 395 Hours:	REVIEW OF ARITHMETIC FOR BUSINESS 3 Lecture/Discussion	3 UNITS
8 Homework Business 293 is a lecture/discussion class which is designed to help the busin		e is designed to review the concepts and	mechanics of addition.
student become more proficient in, and therefore more comfortable with, the us	e of subtraction,	multiplication, and division of whole numbers,	
the English language. It provides a complete review of and practice in using		nphasis on business applications.	
fundamentals of English grammar: the parts of speech, spelling, sentence struct punctuation, and vocabulary building. Students review the concepts and then			
expected to use them in written assignments.		IFORNIA DAIRY TRAINING	INSTITUTE
Advisory On Recommended Preparation: ENGL 360 or equivalent college co	Irse		
with "C" or better, or eligibility for ENGL 251 determined by COS Placen	CDTI 201	FLUID STREAM	1 UNIT
Procedures.	Hours:	SHORT TERM CLASS (Total Hour 48)	
BUS 295 BUSINESS MATHEMATICS 3 UNITS		18 Lecture/Discussion 30 Homework	
Hours: 3 Lecture/Discussion	Introduction	to the basic elements of routing and uses of fluid	milk throughout the dairy
A broad course designed to expose students to a wide variety of busin computations and applications, such as percents, discounts, markups and markdow	ess plant. Dem	nonstrations of how fluids are utilized. Process	flow from incoming raw
simple and compound interest, consumer credit, payroll, depreciation, and investme		hout the plant to pasteurized finished products.	
as well as the applied use of algebra in solving business problems.	CDTI 202	GMP AND SANITATION	1 UNIT
Advisory On Recommended Preparation: BUS 395 or MATH 360 or equiva	lent Hours	SHORT TERM CLASS (Total Hours 48)	
college course with "C" or better, or eligibility determined by COS Placen Procedures.	ient	18 Lecture/Discussion	
100000105.	Introduction	30 Homework	ractions (CMD) suidalings
BUS 297 PERSONAL FINANCE 3 UNITS		n to Dairy Plant Sanitation, Good Manufacturing plantation, chemicals, pH and their roles in function	
Hours: 3 Lecture/Discussion	plant and a	associated equipment.	,
In this course open to both business and nonbusiness majors, students knowledge of personal income and expenditures. To be discussed are such to	nice		4 11117
as savings accounts; investments; borrowing money; budgets, charge accounts		INDUSTRIAL SAFETY SHORT TERM CLASS (Total Hours 48)	1 UNIT
installment buying; property, income, estate, inheritance and gift taxes; life, he	alth,	18 Lecture/Discussion	
accident, property, and miscellaneous insurance; pension plans and social secu trust funds and wills; inflation and business cycles; and problems of owning a ho		30 Homework	
	i maroducaon	to the elements of industrial safety as it relat pics to be covered: illness and injury preventio	es to a dairy processing
BUS 307a-c INTRODUCTION TO WORD PROCESSING 1 UNIT		g-out programs, hazard communication prog	
FOR ESL Hours: SHORT TERM CLASS (Total Hours 48)	programs.		
9 Lecture/Discussion		SENCORY EVALUATION	1 UNIT
17 Lab	CDTI 204 Hours:	SENSORY EVALUATION SHORT TERM CLASS (Total Hours 48)	I UNII
22 Homework This course is a lecture/lab which is designed to introduce ESL students to a v		18 Lecture/Discussion	
processing program. Students will learn how to create basic documents as we		30 Homework	
the correct document formatting for letters and reports. This course is repeatable	two I This course	is designed to develop the students skills for sigi various dairy products. Course content follows	
times. Adivsory on Recommended Preparation: Keyboarding speed of 20 cwpm	Teaching A	Association Curriculum Code used for Career	
Limitation on Enrollment: COMP 307a-c is limited to students enrolled in the			
program. It will be taught in the classroom designated for the ESL students.		HACCP AND FOOD SAFETY SHORT TERM CLASS (Total Hours 48)	1 UNIT
Business division offers Computer 306 for all other students and the courses are	the hours.	18 Lecture/Discussion	
same.		30 Homework	
BUS 360a-c ELEMENTARY KEYBOARDING 1 UNIT	An Introduc	ction to Hazardous Analysis Critical Control Pol	int programs in the dairy
Hours: SHORT TERM CLASS (Total Hours 26)		facility. Importance of HACCP programs and ints. Class will demonstrate how to set up an	
9 Lecture/Discussion 17 Lab	program.		
Materiale Fee: \$5.00			4 414110
This course is a lecture/lab course which is designed to introduce the student to		HUMAN RESOURCES SHORT TERM CLASS (Total Hours 48)	1 UNIT
computer keyboard. Students will use the touch method to key letters, numb	ers,	18 Lecture/Discussion	
symbols, and the numeric keypad. This course is repeatable two times.		30 Homework	
BUS 361a-c ELEMENTARY KEYBOARDING FOR ESL 1 UNIT		e is designed to prepare students for the emplo or a position in the Dairy Food processing indu	
STUDENTS		paration, interviewing skills, and techniques that	t are unique to the Dairy
Hours: SHORT TERM CLASS (Total Hours 28) 9 Lecture/Discussion	Processing		······
17 Lab	CDT(207	PROCESS EQUIPMENT AND ENGINEE	RING 1 UNIT
Materials Fee: \$5.00	Houre	SHORT TERM CLASS (Total Hours 48)	
This course is a lecture/lab course which is designed to introduce the ESL stu to the computer keyboard. Students will use the touch method to key letters, numi	ient	18 Lecture/Discussion	
symbols, and the numeric keypad. This course is repeatable two times.		30 Homework	opening facility Evention
		n and identification of equipment used in the pro antitizing and maintenance of processing equ	
		teardowns for inspections. Discussions of requ	
		•	

BUSINESS

204

5 UNITS

CALIFORNIA DAIRY TRAINING INSTITUTE

	CDTI 208 Iours:	LABORATORY SKILLS SHORT TERM CLASS (Total Hours 48)	1 UNIT	CHEM 1 Hours:
		18 Lecture/Discussion 30 Homework	dainy laboratory	A study mathema
l c	dentification o	Il introduce students to common tests performed in the of various equipment used in the dairy lab, proper safel e stressed. CDTI 28 is designed for the plant technician,	y, and chemical	Include s properties 1 is design chemistry
	CDTI 209 Iours:	DAIRY PRODUCTS & MARKETING SHORT TERM CLASS (Total Hours 48) 18 Lecture/Discussion	1 UNIT	necessar CAN CH Prerequi high sch
¢	An introductio elementary da	30 Homework n of the standards of identity of milk and dairy foods iry products, marketing and handling will be covered	, introduction of I in this course.	equivaler 75 or 15
	CDTI 210 Iours:	TRANSPORTATION SHORT TERM CLASS (Total Hours 48) 18 Lecture/Discussion	1 UNIT	CHEM 2 Hours:
		30 Homework troduces aspects of raw milk pickup, routing, transport and transporting of finished/packaged dairy products		This cour on the m principles phenome
	CDTI 211 Iours:	THEORY OF CHEESE & WHEY PROCESSING SHORT TERM CLASS (Total Hours: 48) 18 Lecture/Discussion	1 UNIT	chemistry Prerequi
		30 Homework ntroduces the student to the theory and art of che whey processing.	esemaking and	CHEM 1 Hours:
	CDTI 212 tours:	WAREHOUSING/DRY AND REFRIGERATION SHORT TERM CLASS (Total Hours 48) 18 Lecture/Discussion 30 Homework	1 UNIT	This is the taught at majors, p Emphasis
ş	backaged da	be introduced to all aspects in routing, storage, and rota iry products, outline of pest control management f quality issues surrounding all raw materials.		mechanis radical p eliminatio resonance
	CDTI 213 Hours:	SPECIALTY CHEESE MAKING 2 Lecture/Discussion	2 UNITS	Prerequi
	ivura.	2 Lab 2 Lab 4 Homework		CHEM 1 Hours:
		reaction in the technique and art of speciality cheesemaking needed in cheesemaking and whey processing.	ng. Students will	This is a
	CDTI 214 Hours:	MILK PASTEURIZATION 2 Lecture/Discussion 2 Leb 4 Homework	2 UNITS	The court and block technicia a synthe
(Operation of t and Federal p	 a students will apply all aspects of the milk pasteur he HTST (High Temperature Short Time) pasteurizer, pasteurization regulations and preparation for success steurization Test, will be stressed. 	all State, Local,	compoun mass sp laborator Prerequi
	CDTI 218 Houre:	MARKETING DIARY PRODUCTS 2 Lecture/Discussion 2 Leb	2 UNITS	
(One of a seri	4 Homework es of classes in applied dairy food manufacturing. Th	application of	

marketing will deal with all aspects of consumer point sales of dairy products. The course will deal with milk quality issues as they relate to retail marketing of products.

CHEMISTRY

GENERAL CHEMISTRY

	Hours: 3 Lecture
	6 Lab A study of the fundamental theories and laws of chemistry with emphasis on the
	mathematical treatment as well as the underlying concepts and principles. Topics
	Include stoichlometry, atomic structure, bonding, theories, ionic reactions and
	properties of gases. This course includes six hours of laboratory per week. CHEM
	1 is designed for those intending to enter chemistry or professional fields requiring chemistry as a foundation. The recommended prerequisites are the minimum
	necessary to prepare the students for the depth of theory and rigor of calculations.
	CAN CHEM 2.
	Prerequisite: CHEM 20 or 253 or equivalent college course with "C" or better, or high school chemistry with "C" or better in both semesters; and MATH 230 or
	equivalent college course with "C" or better, or eligibility for MATH 21, 45, 61, 70,
	75 or 154 determined by COS Placement Procedures.
	CHEM 2 GENERAL CHEMISTRY 5 UNITS
	Hours: 3 Lecture/Discussion
	6 Lab
	This course studies the fundamental theories and laws of chemistry with an emphasis on the mathematical treatment of chemistry as well as the underlying concepts of
•	principles. Thermodynamics, kinetics, acid-base theory, ionic equilibria, and redox
	phenomena are covered. Nuclear chemistry and a brief introduction to organic
	chemistry may be included. CAN CHEM 4. Prerequisite: CHEM 1 or equivalent college course with "C" or better.
	CHEM 12 ORGANIC CHEMISTRY 5 UNITS
	Hours: 3 Lecture/Discussion
	6 Homework
	This is the first semester of a comprehensive study of organic chemistry. This course,
	taught at the sophomore level, is primarily for chemistry or biochemistry and biology majors, premedical, predental students, prepharmacy and medical technicians.
	majores premeates, producta stationes, propriating and medical technicians.

taught at the sophomore level, is primarily for chemistry or biochemistry and biology majors, premedical, predental students, prepharmacy and medical technicians. Emphasis is on structural and functional group chemistry studied from a synthetic and mechanistic point of view. Topics include: nomenclature, stereochemistry, free radical processes, stucture, bonding, hybridization of carbon compounds basic elimination and substitution reactions, introductory infrared and nuclear magnetic resonance spectroscopy.

Prerequisites: CHEM 2 or equivalent college course with "C" or better.

CHEM 13	ORGANIC CHEMISTRY	5 UNITS
Hours:	3 Lecture/Discussion	
	6 Lab	
	6 Homework	

This is a continuation of Chemistry 12, a comprehensive study of organic chemistry. The course, taught at a sophomore level, is primarily for chemistry, biochemistry and biology majors, premedical, predental, prepharmacy students, and medical technicians. Emphasis is on structural and functional group chemistry studies from a synthetic and mechanistic point of view. Topics include: reactions of aromatic compounds, condensations, natural products chemistry, introductory bio-chemistry, mass spectrometry and ultraviolet/visible spectroscopy. The course includes a laboratory study of micro methods and techniques, synthesis and instrumentation. Prerequisite: CHEM 12 or equivalent college course with "C" or better.

CHEMISTRY

CHEM 20 Hours:	GENERAL CHEMISTRY 4 UNITS 3 Lecture/Discussion 3 Lab	CHLD 39 Hours:	CHILD DEVELOPMENT-DS 1 3 Lecture/Discussion 6 Homework	3 UNITS
Chamiata, 90	6 Homework		PSYC 39	
) is the first semester of a full year (Chemistry 20-21) college chemistr is designed to meet the needs of the science related major, e.g., nursing		D FOR DISTANCE LEARNING studies the development of humans from cor	ception to adolescence in
	hysical therapy, dental hygiene, X-ray technician, or general education	the areas of	of cognition, physical growth and developm	ent, language, and social
	s a study of the fundamental theories and laws of chemistry includin		it. The course includes, theory, history and	
	as the metric system, atomic and molecular structure, bonding of inorganic compounds, stoichiometry, chemical equations, gas laws		pertinent concepts in developmental psycho	logy. CAN FCS 14.
	is and solutions. The laboratory portion of the course involve		CHILD, FAMILY AND SOCIETY-DS 2	3 UNITS
	tion and drawing conclusions from that experimentation, includin		3 Lecture/Discussion	
	g the limitation of experimental data. CAN CHEM 6.		6 Homework	
	s: MATH 200 or 215 or Math 205, or equivalent college course with or eligibility for MATH 230 determined by COS Placement Procedures		he social development of young children with ommunity resources. Content will include put	
	n Recommended Preparation: CHEM 253 or equivalent colleg		rent social issues and concerns. This course	
	a "C" or better, or high school chemistry with a "C" or better in bot		nt Permit and the core curriculum for employ	
semesters.				
CHEM 21	GENERAL ORGANIC 4 UNITS	CHLD 112 Hours:	CHILDREN'S NUTRITION 3 Lecture/Discussion	3 UNITS
	AND BIOLOGICAL CHEMISTRY	incurs.	6 Homework Hours	
Hours:	3 Lecture/Discussion		NUTR 112	
Obamiata 0	3 Lab		ourse on children's nutritional requirements.	
	 is the second semester of a full year (Chemistry 20-21) colleg urse which is designed to meet the needs of the science-related majo 		utrition prior to conception through adolescence ling principles, and current topics. An appropr	
	I therapy, dental hygiene, nursing. The content focuses on the structura		social services and human development.	
	is, isomerism, properties and reactions of organic and biochemica			
	Both qualitative and quantitative aspects of these compounds are pa			2 UNITS
	and laboratory. Topics include hydrocarbons, alcohols, ethers, carbony and their derivatives, polymers, carbohydrates, lipids, proteins, nuclei		2 Lecture/Discussion 4 Homework	
	nergetics and metabolism review. CAN CHEM 8		child abuse that will include detection, report	ing requirements, causes,
Prerequisite	: CHEM 20 or equivalent college course with "C" or better.		and treatment. Students will learn/develo	
CHEM 30	GENERAL AND BIOLOGICAL CHEMISTRY 4 UNITS		ng the impact of abuse on children. Communi ant will be presented as well as information or	
Hours:	3 Lecture/Discussion	and treatme	an will be presented as well as information of	n nealury family dynamics.
	3 Lab	CHLD 135	MUSIC EXPERIENCES IN	1 UNIT
-	9 Homework		EARLY CHILDHOOD EDUCATION- DS	
	of this course is the molecular basis of life. It will cover the essentia inorganic, organic, and biochemistry. Inorganic topics include atomi		SHORT TERM CLASS (Total Hours 51) 17 Lecture)
	niorganic, organic, and biochemistry. morganic topics include atom niometry and solution chemistry. Topics for organic and biochemistr		34 Homework	
	to enhance the basic understanding of living processes.		e investigates various methods of using r	nusical experiences with
	Recommended Preparation: Completion of MATH 200 or placemer		d evaluates the benefits of music activities	•
IN MATH 230	0 as determined by the COS Placement Procedures.		nd using musical instruments, songs and for teachers, aides, childcare providers, as	
CHEM 253	INTRODUCTION TO THE SCIENCE 3 UNITS	appropriate	ior leachers, aldes, childcare providers, as	wen as parents.
	OF CHEMISTRY	CHLD 136		3 UNITS
Hours:	3 Lecture/Discussion	Hours:	3 Lecture/Discussion	
	2 Lab 6 Homework	This course	9 Homework includes selection of appropriate literature fo	r various ages of children
This is a on	e-semester elementary class for students who have never taken hig		methods of presenting literature of variou	
	stry or whose previous work in chemistry did not prepare them for CHEN	techniques.	Appropriate for teachers, aides, care prov	iders, parents and others
	se will prepare students for success in CHEM 20 by giving them a basi		n selecting literature for children.	
	in matter, energy, chemical reactions, measurements, formula writing a, chemical calculations and a review of elementary algebra.	'		
	Recommended Preparation: MATH 200 or 215 or equivalent colleg			
	C" or better, or eligibility for MATH 230 determined by COS Placemer	t		
Procedures.				

CHILD DEVELOPMENT

CHILD DEVELOPMENT

Course Descriptions

CHILD	DEVEL	OPMENT
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CHLD 137	SCIENCE EXPERIENCES IN EARLY 1 UNIT CHILDHOOD EDUCATION-DS 3	CHLD 144	ADVANCED ADMINISTRATION OF EARLY CHILDHOOD EDUCATION-DS6	3 UNITS
Hours:	1 Lecture/Discussion	Hours:	3 Lecture/Discussion	
This course i	2 Homework investigates various methods of integrating science experiences into the	An advanced	6 Homework I course in the administration of quality early c	hildhood education
early childho	od curriculum. Emphasis is placed on creating positive, age-appropriate excite children's interest in science in the world around them.	programs, ind handbooks, g	sluding time management, staff inservice, program grant writing, goal setting, marketing, business pl Fulfills the state requirement for Child Care Cen	ns, parent and staff ans, evaluation and
CHLD 138	SCIENCE EXPERIENCES IN SCHOOL-AGE 1 UNIT EDUCATION		together fulfill the requirements for a California	
Hours:	SHORT TERM CLASS (Total Hours 51) 17 Lecture/Discussion 34 Homework		s: CHLD 143 or equivalent college course with Recommended Preparation: CHLD 141 or C" or better.	
	provides an overview of science activities appropriate for the school-			
activities. Th	nent. Students participate in preparation and completion of various science the theory behind the science activities is also covered. Students will erials and methods appropriate for the school-age child.	CHLD 145 Hours:	PARENTING 3 Lecture/Discussion 6 Homework	3 UNITS
CHLD 140	PRINCIPLES IN EARLY CHILDHOOD 3 UNITS EDUCATION-DS3	guidance tec	studies topics pertaining to parenting such as atta hniques, parenting styles, conflict resolutions, par s, parent/child interaction and home environment	enting children with
Hours:	2 Lecture/Discussion 3 Lab		EXCEPTIONAL CHILD	3 UNITS
	4 Homework	Hours:	3 Lecture/Discussion	5 64115
setting in pre in the comm teaching pra	is designed for observation and study of young children in a laboratory eparation for working with diverse families in the classroom setting and unity. It includes study of behavior in children, theory, curriculum, best ictice and assessment. A T.B. clearance must be obtained prior to participation in lab exercises.	legislation, cu DEV 146 fills 3	6 Homework haracteristics of children with disabilities. Focus urriculum, interventions, role of the teacher and f 3 of the required 12 units for ECE employment in Calii Development-Option II-Early Childhood Special E	amily issues. CHLD fornia and is required
	PRACTICE IN EARLY CHILDHOOD 3 UNITS	CHLD 147	INFANT/TODDLER CARE AND DEVELOPM	
Hours:	EDUCATION-DS 3 2 Lecture/Discussion	Hours:	3 Lecture/Discussion 6 Homework	
nvurs.	3 Lab		e development and care of the infant/toddler. Inclu	
development children in a	4 Homework is designed to prepare the student for classroom teaching, curriculum, and objective writing. Laboratory experience is a direct contact with functioning program as a classroom teacher.	language dev	velopment, nutrition, cognitive/motor developmen retopment. Socializing among children/families of d iral environments appropriate for the typically and a explored.	iverse backgrounds,
	CHLD 140 or equivalent college course with a "C" or better. A tuberculin test clearance must be obtained prior to participation in S.	Hours:	CHILD HEALTH AND SAFETY-DS 7 3 Lecture/Discussion	3 UNITS
CHLD 142	MENTOR TEACHER 2 UNITS		ealth, safety and nutrition as related to the young ners and parents to become fully aware of their cont	
Hours:	2 Lecture/Discussion 4 Homework		the children in their care. Topics include preal safety, foods and nutrients, children's health prob	
	I principles of supervising student teachers in early childhood classrooms. In the role of experienced classroom teachers who function as mentors	and medical	procedures.	
to new teach	the fole of experienced classion reactions with function as mentors and the simultaneously addressing the needs of children, parents and	CHLD 149a-I	CREATIVE ACTIVITIES FOR YOUNG CHILDREN-DS 3	2 UNITS
other staff. Prerequisite	: CHLD 141 and CHLD 144	Hours:	2 Lecture/Discussion	
	Recommended Preparation: Complete AA or AS in Child Development		1 Lab	
or have a va	alid California Children's Center Permit.	Materials F	4 Homework ee: \$5.00	
CHLD 143	ADMINISTRATION OF EARLY CHILDHOOD 3 UNITS EDUCATION-DS 6	This course i	is designed to prepare students in Child Developr ion of a wide variety of creative activities for use	
Hours:	3 Lecture/Discussion 6 Homework	It has an em	phasis on age and developmentally appropriate p e theory and prepare materials for classroom use,	ractice, students will
budgeting, p	ses on administering programs for children and special emphasis on personnel policies, record keeping, legal requirements and regulatory		eas as well as the seasons and holiday. This cour	
Supervisor I		CHLD 152	SCHOOL-AGE CHILD CARE-DS 5	3 UNITS
	e: CHLD 140 or equivalent college course with "C" or better. n Recommended Preparation: CHLD 141 or equivalent college course	Hours:	3 Lecture/Discussion 6 Homework	
with "C" or t	better.	includes an	s a study of child care provisions for school-age c overview of the physical, social and cognitive dev This course investigates a variety of enrichment evelopment.	elopment of school-

CHILD DEVELOPMENT

CHLD 153	CREATIVE MOVEMENT FOR THE 1 UNIT CLASSROOM	CHLD 160 LITERACY AND LANGUAGE ACQUISITION 3 UN	TS
Hours:	SHORT TERM CLASS (Total Hours 51) 17 Lecture	IN CHILDREN Hours: 3 Lecture/Discussion 6 Homework	
	34 Homework	APPROVED FOR DISTANCE LEARNING	
into the earl study of crea	investigates various methods of incorporating movement experiences y childhood school-age classroom curriculum. The class includes the tivity, locomotor skills and perceptual motor developent. Appropriate for re providers, parents and child development students.	This course provides a theoretical framework for how humans acquire langua literacy from early childhood through adulthood. It will provide practical info for developing language and literacy classroom programs which will en language development, second language acquisition and cognitive/ac	rmation nhance
CHLD 154	INTRODUCTION TO EARLY INTERVENTION 3 UNITS	development in culturally diverse contexts.	
Hours:	3 Lecture/Discussion	CHLD 163 AFTER-SCHOOL PROGRAMS 4 UN	IITS
risk and han	uctory course in early intervention, this course gives an overview of high dicapped infants, birth to age three, and the treatments, strategies and	Hours: 3 Lecture 3 Lab	
	sed to serve them, according to PL99-457. The course is designed to ning needs of educators, parents and care providers who will serve this	6 Homework	
	is population. The course will cover parent/professional relationships,	A study of and practicum in literacy/numeracy based after-school enri programs held in schools. It is designed to include social and cognitive devel	opment
	rief process, identification and assessment, community resources, and	of school-age children, curriculum development, enrichment activities and cla	ssroom
developmen	tal curriculum.	management. Lab experience includes direct contact with children in after	-school
CHLD 155	CHILD GUIDANCE 3 UNITS	programs at elementary schools. Prerequisite: A T.B. clearance must be obtained prior to participation	in lab
Hours:	3 Lecture/Discussion	exercises.	
This Child G	6 Homework Buidance course is focused on a child-centered approach to problem	CHLD 238 FOOD EXPERIENCES WITH THE YOUNG CHILD 1 UN	т
solving for us	se by teachers with groups of young children from infancy to school age.	Hours: SHORT TERM CLASS (Total Hours 48)	
	b assess and respond to child behavior using positive, age-appropriate II be discussed.	16 Lecture/Discussion	
methous, wi		32 Homework hours This course explores and develops food experiences which can be incorpora	ted into
CHLD 156	FAMILY CHILD CARE MANAGEMENT 1 UNIT	the learning environment of young children. It will include safety and sanitati	ion with
Hours:	SHORT TERM CLASS (Total Hours 48) 16 Lecture	young children, recipe development for nonreaders, and simple preparation tech	niques.
	32 Homework	CHLD 239 INTRODUCTION TO CHILD DEVELOPMENT 2 UN	ITS
	roductory course designed to meet the training needs of family day care This course combines theory and practical application to introduce	Hours: SHORT TERM CLASS (Total Hours 108) 36 Lecture Hours	
	delines, health and safety practices, record keeping, developing business	72 Homework hours	
policies, sup	port services and procedures unique to family child care.	Overview of the child care profession. Philosophical/theoretical basis for	
CHLD 157	FAMILY CHILD CARE PRINCIPLES 1 UNIT	appropriate curriculum for young children, includes licensing requirement	
ONED 101	AND PRACTICES	standards for quality pre-school programs. Units will apply toward a State certi One hour observation required at COS Child Development Center or ment	
Houro	SHORT TERM CLASS (Total Hours 48)		
Hours:	16 Lecture/Discussion 32 Homework	CHLD 242 THE SOCIALIZATION OF THE CHILD 2 UN Hours: SHORT TERM CLASS (Total Hours 108)	ITS
	troductory course designed to meet the training needs of family day care	36 Lecture Hours	
	his course combines theory and practical application to introduce daily	72 Homework hours	. .
	amily day care, parent/provider relationships, problem solving techniques, development, discipline techniques, resources and avoiding provider	Course covers the early childhood classroom, family and community and their on the socialization of the child, including diverse families and community res	
burnout.		Class time will focus on developmentally appropriate environment in chi	
CHLD 158	CULTURAL DIVERSITY IN 3 UNITS	programs. Units apply toward a State certificate in child care.	
GILD 130	EARLY CHILDHOOD EDUCATION	CHLD 249 INTRODUCTION TO PRESCHOOL ACTIVITIES 2 UN	ITS
Hours:	3 Lecture/Discussion	Hours: SHORT TERM CLASS (Total Hours 108)	
Explores cult	6 Homework tural and language acquisition issues related to the education of diverse	36 Lecture Hours 72 Homework hours	
populations -	of children, and acquaints students with non-bias multicultural teaching	Course prepares students for employment in child care or continued education	in child
strategies ar	nd curriculum suitable for young children.	development. Focus is on planning, preparing materials and presenting cu	
CHLD 159	CHILD DEVELOPMENT PERMITS: 2 UNITS	activities that are developmentally appropriate. Emphasis is on activities dev and managing learning centers for an ECE environment. Credits apply toward	
	PROFESSIONALL GROWTH TRAINING	certificate.	
Hours:	SHORT TERM CLASS (Total Hours 108) 36 Lecture		
	72 Homework		
	ntroductory Child Development course designed to provide training for		
	eking Child Development permits used by California Commission on edentialing. Training will also include information to help the student		
	r professional growth plans, complete the renewal process and identify		
resources.			

CHILD DEVELOPMENT

CINEMA ARTS

CINA 31	MOTION PICTURE APPRECIATION	2 UNITS
Hours:	1 Lecture/Discussion	
	2 Lab	

Explores the origin of motion picture production, objectives of various directors, actors and producers in their films, and technology and aesthetic changes in motion picture production. Students are taught to view the motion picture as an art form and to evaluate the objectives of motion pictures and their attainment. CINA 31 is offered only in the fall semester. Covers the period from the beginning to the present with emphasis on American films.

CINA 32	MOTION PICTURE APPRECIATION	2 UNITS
Hours:	1 Lecture/Discussion	
	2 Lab	

An exploration of the origin of motion picture production, objectives of various directors, actors and producers in their films, and technology and aesthetic changes in motion picture production. Students are taught to view the motion picture as an art form and to evaluate the objectives of motion pictures and their attainment. CINA 32, offered only in the spring semester, covers contemporary film 1930 to present, with emphasis on international films.

COMPUTER

COMP 5 Hours:	COMPUTER CONCEPTS 4 Lecture/Discussion	4 UNITS
	8 Homework	
APPROVED	FOR DISTANCE LEARNING	

Materials Fee: \$6.00

COMP 5 introduces students to: computer hardware and software systems, impact of computers on society, ethical issues, application of computer technology in many career fields. Students learn to use a microcomputer and applications software packages--word processing, spreadsheet, database and presentation programs. CAN BUS 6.

Advisory On Recommended Preparation: Keyboarding speed of 20 cwpm.

COMP 6	BASIC PROGRAMMING	3 UNITS
Hours:	2 Lecture/Discussion	
	2 Lab	

Materials Fee: \$6.00

The class is designed to teach the BASIC programming language and essential analysis and programming techniques for preparing typical business reports. Topics included are: math and logic operation; data editing, storage, and retrieval; arrays or table processing; creating and maintenance of sequential and random file structures; Interactive techniques; menu development; sorting and selecting data. CAN CSCI 6. Advisory On Recommended Preparation: COMP 5 or 131 or equivalent college course with "C" or better (at a minimum COMP 5 or 131 should be taken concurrently); and keyboarding speed of 20 cwpm.

COMP 7	COBOL PROGRAMMING	4 UNITS
Hours:	3 Lecture/Discussion	

2 Lab Materials Fee: \$6.00

This is an advanced computer class designed to teach students the Common Business Oriented Language (COBOL), how to plan and program typical business problems In Structured COBOL, how to find and correct errors in the program, and how to document the program. The student will develop increasingly challenging programs to prepare reports, construct and use tables, use data files, and on-line systems. CAN CSCI 8.

Advisory On Recommended Preparation: COMP 5 or COMP 131 or equivalent college course with "C" or better (at a minimum COMP 5 or 131 should be taken concurrently); and keyboarding speed of 20 cwpm.

COMP 130 INTRODUCTION TO PERSONAL COMPUTERS **4 UNITS** 4 Lecture/Discussion Hours: 8 Homework

COMPUTER

Materials Fee: \$6.00

This course is designed to teach students how to use a computer. Topics include an introduction to computer concepts, Windows, word processing, spreadsheet, and database applications. Most transfer Business students should take COMP 5 instead of COMP 130. COMP 130 is not recommended for students who have completed COMP 5.

Advisory On Recommended Preparation: Keyboarding speed of 20 cwpm.

COMP 131	BEGINNING DOS
Hours:	3 Lecture/Discussion

3 UNITS

Materials Fee: \$6.00

COMP 131 is a first-semester lecture/discussion microcomputer course covering the basic disk operating system commands of Version 3.3 DOS. Students enrolling in the class will be able to understand the function each DOS command performs and be able to use those DOS commands to perform routine operations such as managing files, creating menus, working with sub-directories, making backups, and troubleshooting the systems. No previous computer operating experience is required. It is recommended that students enrolling in this course have a keyboarding speed of 20 cwpm. An additional two to four hours of computer time will be needed each week to enable a student to complete his/her assignments.

Advisory On Recommended Preparation: Keyboarding speed of 20 cwpm.

ADVANCED DOS
2 Lecture/Discussion

2 UNITS

3 UNITS

1 Lab Materials Fee: \$6.00

COMP 132 is a second semester lecture/lab microcomputer course covering the advanced disk operation system commands of Version 3.3 DOS. The course provides information to help the computer user achieve maximum effectiveness on his/her personal computer. The course will enable DOS users to gain a better understanding of and insight into the DOS environment. Students will be able to analyze and explain various advanced batch files.

Advisory On Recommended Preparation: COMP 131 or equivalent college course with "C" or better.

COMP	133	DATABASE	PROCESSING

Hours: **3 Lecture/Discussion** 6 Homework

Materials Fee: \$6.00

Database processing for microcomputers emphasizes relational database theory as well as design and Implementation. Practical applications will include using the database software, first to recreate examples from the text, then to design a database, and last to build an application using the database.

Advisory On Recommended Preparation: Students should be familiar with Windows software and have completed either COMP 5, COMP 130, COMP 131, or COMP 140 or equivalent college courses with "C" or better; and keyboarding speed of 20 cwpm.

COMP 135 DESKTOP PUBLISHING FOR BUSINESS 4 UNITS 4 Lecture/Discussion Hours:

Materials Fee: \$7.00

This is a basic course in desktop publishing where students will learn the essentials of design, typography, graphics and text using PageMaker Software, Windows, and DOS. Desktop Publishing for Business is the use of a microcomputer based system to produce publication materials. The materials include sales reports, project proposals, notices, fliers, office forms, brochures, reports, manuals, and newsletters. Desktop publishing is considered prepress technology. In other words, desktop publishing is the method to produce masters for reproduction.

Advisory On Recommended Preparation: COMP 131 or equivalent college course with "C" or better; and ENGL 360 or equivalent college course with "C" or better, or eligibility for ENGL 251 determined by COS Placement Procedures; and intermediate keyboarding skills.

COMPUTER

COMP 136 WORD PROCESSING USING WORD PERFECT 3 UNITS Hours: 3 Lecture/Discussion <u>Materials Fee: \$6.00</u> The course is designed to teach the student the WordPerfect word processing program. The pace of the course assumes the student has an entry-level typing skill. This course requires additional computer time. This competency-based course will familiarize the student with advanced operations using proper formatting procedures. An emphasis is placed on language arts skills, proofreading, producing mailable copies (error free), and various applications of information/word processing. This course is designed to fulfill the requirement for the Word Processing. Configence	COMP 220 ESSENTIAL COMPUTER CONCEPTS 1 UNIT Hours: SHORT TERM CLASS (Total Hours 54) 18 Lecture/Discussion 36 Homework Material Fee: \$3.00 This beginning course is designed to give the student a basic familiarity with the personal computer. Topics include what a computer is and how it works, common computer terminology, an introduction to using Windows and the Internet. This course is appropriate for anyone just starting to use a computer or thinking about buying one.		
Course is designed to fulfill the requirement for the Word Processing Certificate. Advisory On Recommended Preparation: ENGL 360 or equivalent college course with "C" or better, or eligibility for ENGL 251 determined by COS Placement Procedures; and computer experience; and intermediate keyboarding skills. COMP 138 SPREADSHEET DESIGN FOR BUSINESS 3 UNITS Hours: 3 Lecture/Discussion Materials Fee: \$6.00 This course emphasizes the design, creation, and use of spreadsheets for business applications. Students will learn beginning to advanced features of microcomputer spreadsheets including: basic spreadsheet design and creation; beginning and advanced spreadsheet formatting; creating and using templates, macros, and tables; data entry and management; and presentation graphics, including report generation, creating and customizing graphs, and creating and running computer slide-shows. Lotus 1-2-3 or similar spreadsheet software will be used with an emphasis on business applications. Advisory On Recommended Preparation: Keyboarding speed of 20 cwpm and microcomputer experience. COMP 139 WINDOWS 2 UNITS Hours: 2 Lecture Materials Fee: \$6.00 This course is designed to teach the Windows software program. Students will learn	COMP 221a-d BEGINNING WORD 1.5 UNITS Hours: 1.5 Lecture 3 Homework Materials Fee: \$4.00 This course is designed to teach the beginning fundamentals of Microsoft Word, a word processing program. Students will produce business and personal documents using the appropriate Word formatting techniques. This course is repeatable three times. Advisory on Recommended Preparation: ENGL 360 or equivalent college course with "C" or better, or eligibility for ENGL 251; computer experience; and intermediate keyboarding skills. COMP 222a-d ADVANCED WORD 1.5 UNITS Hours: 1.5 Lecture 3 Homework Materials Fee: \$5.00 This course is designed to teach the advanced fundamentals of Microsoft Word, a word processing program. Students will produce business and personal documents using the advanced formatting features of Word, (i.e., WordArt, Draw, borders, frames, clip art, columns). This course is repeatable three times. Advisory on Recommended Preparation: Eligibility for ENGL 251. COMP 221a-d or equivalent college course with "C" or better, or equivalent experience		
beginning to advanced features of Windows software program. Clutchis will team the windows and advanced features of Windows. An additional two to four hours of computer time will be needed each week to enable a student to complete his/her assignments. Advisory On Recommended Preparation: COMP131 or equivalent college course with "C" or better; and keyboarding speed of 20 cwpm. COMP 140 WINDOWS AND DOS 3 UNITS Hours: 3 Lecture 6 Homework Materials Fee: \$5.00 This course is designed to provide the computer student with a theoretical background	with Word; Intermediate keyboarding skills. COMP 223a-d BEGINNING EXCEL 1.5 UNITS Hours: 1.5 Lecture 3 Homework Materials Fee: \$4.00 This course is designed to teach the beginning fundamentals of Microfsoft Excel spreadsheet program. Students will learn how Excel can be used for business applications. It is recommended for AA/AS and certificate students pursuing business careers. Spreadsheet skills are a prerequisite for many business jobs and are also necessary for upper division business courses. This course is repeatable three times. Advisory On Recommended Preparation: Keyboarding speed of 20 cwpm.		
to enable him/her to understand the relationship of WINDOWS/DOS to his/her computer. Students will learn how to use this software productively. The course includes practical applications of these two operating systems. Advisory On Recommended Preparation: Keyboarding speed of 20 cwpm. COMP 210 COMPUTER ACCOUNTING 3 UNITS Hours: 3 Lecture Cross Ref: ACCT 210 <u>Materials Fee: \$6.00</u> This course will teach students to use computer-based accounting packages to handle the accounting procedures for a business. These packages are usually referred to as "General Ledger Accounting" packages. This course is an introduction to accounting applications software for accountants and business managers. Students will use standard accounting programs, including general ledger, accounts receivable/ payable, payroll and inventory control. Students will survey current accounting applications for microcomputers. Advisory On Recommended Preparation: ACCT 1 or 201 or equivalent college course with "C" or better; and microcomputer experience.	COMP 224a-d ADVANCED EXCEL 1.5 UNITS Hours: 1.5 Lecture 3 Homework Materials Fee: \$5.00 This course is designed to teach the advanced fundamentals of Microsoft Excel, a spreadsheet program. Students will learn how Excel can be used for advanced business applications. Spreadsheet skills are a prerequisite for many business jobs and are also necessary for upper division business courses. This course is repeatable three times. Advisory On Recommended Preparation: Completion of COMP 223 or equivalent college course with "C" or better, or equivalent experience with Excel; keyboarding speed of 20cwpm; and MATH 360 or BUS 395 or equivalent college course with "C" or better. COMP 227 PRESENTATION SOFTWARE FOR BUSINESS 1.5 UNITS Hours: 1.5 Lecture 3 Homework Materials Fee: \$5.00 This course will teach the students how to prepare a Business presentation using presentation software. Students will learn how to create a computerized slide show as well as speaker outlines/notes and audience handouts. Advisory on Recommended Preparation: Computer experience and keyboarding speed of 20 cwpm.		

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COMPUTER

COMPUTER

Course Description	ons
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CONSTRUCTION TECHNOLOGY

COMP 228 INTRODUCTION TO THE WORLD WIDE WEB 1.0 UNIT Hours: SHORT TERM CLASS (Total Hours 54) 18 Lecture/Discussion	(NOTE: The Building Trades discipline was renamed "Construction Technology.")
36 Homework	CT 100 DRAWING FOR 2 UNITS
<u>Materials Fee: \$3.00</u> This beginning course is designed to give the student a basic familiarity with the World Wide Web. Topics include a brief history of the Internet and World Wide Web, browsing	BUILDING CONSTRUCTION I Hours: 2 Lecture/Discussion 2 Lab
the Web, searching for and locating appropriate Web pages, downloading files, and	2 Homework
sending and receiving electronic mail.	Materials Fee: \$5.00
Advisory On Recommended Preparation: COMP 5, 130, or 140 with a grade of "C" or better or familiarity with microcomputers and Windows.	A required conceptual course in drawing for the building trades. The fundamentals of architectural drafting using hand drafting as well as computer aided drafting methods, blueprint reading, details, symbols, codes and specifications are covered. The floor
COMP 229 WEB PAGE DESIGN AND DEVELOPMENT 3 UNITS	and foundation plans for the Project House are developed in this class.
Hours: 3 Lecture	Advisory On Recommended Preparation: CT 104 and CT 114 should be taken
6 Homework Materials Fee: \$5,00	concurrently.
This course emphasizes the design and creation of Web pages. Students will learn how to use a Web publishing software program, such as Microsoft FrontPage, to create	CT 101 DRAWING FOR 2 UNITS BUILDING CONSTRUCTION II
professional-looking web sites. Content includes creating original web images, adding animation, and publishing the finished product on a Web server.	Hours: 2 Lecture/Discussion 2 Lab
Advisory On Recommended Preparation: COMP 220, COMP 228, LIBR 102, or	Materials Fee: \$5.00
experience with Windows and the Internet. COMP 304 INTRODUCTION TO THE SPREADSHEET 1 UNIT	A required course in drawing for all building trades students. The fundamentals of architectural drafting, blueprint reading, details, symbols, codes and specifications are covered. The ceiling framing plan, roof framing plan, sections, elevations, and
Hours: 9 Lecture/Discussion	electrical plans for the Project House are developed in this course.
17 Lab (26 hr. Course)	Advisory On Recommended Preparation: CT 100, 104, and CT 114 or equivalent
Materials Fee: \$5.00	college courses with "C" or better. CT 105 and CT115 should be taken concurrently.
Through the use of microcomputers (DOS-based), the student will become able to use	
a popular electronic spreadsheet program. Basic concepts of spreadsheets will be	CT 104 CARPENTRY I, RESIDENTIAL 3 UNITS CONSTRUCTION
explored including layouts, command structure, and mathematical formulas. Various types of business and personal applications to solve any problem that can be placed	Hours: 3 Lecture/Discussion
in columns and rows will be explored. The particular spreadsheet used for any offering	6 Homework
of this course may be either Lotus 123, SuperCalc, Quattro, depending upon	An introductory lecture course in residential construction that covers the various
availability.	phases of house building as they occur on the job. Nomenclature, fasteners, building
Advisory On Recommended Preparation: Keyboarding speed of 20 cwpm.	layout, insulation and roofing are the topics covered in this course. Advisory On Recommended Preparation: CT 100 and CT 114 should be taken
COMP 306a-C INTRODUCTION TO WORDPERFECT 1 UNIT	concurrently.
Hours: SHORT TERM CLASS (Total Hours 26) 9 Lecture/Discussion	CT 105 CARPENTRY II, 3 UNITS
17 Lab	RESIDENTIAL CONSTRUCTION
Materials Fee: \$5.00	Hours: 3 Lecture/Discussion
This course is a lecture/lab course which is designed to introduce students to the	6 Homework
WordPerfect word processing program. Students will learn how to create basic	The second course in residential construction that covers various phases of house
documents as well as the correct document formatting for letters, reports, tables, and columns. This course is repeatable two times.	building as they occur on the job. Drywall, interior finish work, exterior finish work are the primary subjects in this course.
Advisory On Recommended Preparation: Keyboarding speed of 20 cwpm.	Advisory On Recommended Preparation: CT 100, 104, CT 114 or equivalent college course with "C" or better. CT 101 and CT 115 should be taken concurrently.
COMP 307a-c INTRODUCTION TO WORDPERFECT FOR 1 UNIT ESL STUDENTS	CT 108 ADVANCED CARPENTRY I, 3 UNITS
Hours: SHORT TERM CLASS (Total Hours 26)	ROOF FRAMING
9 Lecture	Hours: 3 Lecture/Discussion
17 Lab	4 Lab
Materials Fee: \$5.00 This course is a lecture/lab which is designed to introduce ESL students to the	2 Homework
WordPerfect word processing program. Students will learn how to create basic	A study of the fundamental concepts, principles and applications of roof framing covering the many phases of: roof design, planning and estimating, safety, use of
documents as well as the correct document formatting for letters, reports, tables, and	materials, trade nomenclature, the identification of, proper use of, and maintenance
columns. This course is repeatable two times.	of the hand tools and power tools used in the construction of the cut and stack type
Advisory On Recommended Preparation: Keyboarding speed of 20 cwpm.	of roofs. The student will study the techniques of laying out and cutting the various
Limitation Request on Enrollment: BUS 307a-c is limited to students enrolled in	kinds of roofs. Advisory On Recommended Branzations, CT 101, 105, CT115, or equivalent
the ESL program. It will be taught in the classroom designated for the ESL students. The Business Division offers Business 306 for all other students and the courses are	Advisory On Recommended Preparation: CT 101, 105, CT115, or equivalent college course with "C" or better. CT 118 should be taken concurrently.
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CONSTRUCTION TECHNOLOGY

CT 109	ADVANCED CARPENTRY II 3 UNITS	CT 121 RESIDENTIAL CONSTRUCTION 1 7 UNITS
	STAIR BUILDING	Hours: SHORT TERM CLASS (Total Hours 378 , a 9-Week Course)
Hours:	2 Lecture/Discussion	90 Lecture
	4 Lab	121.5 Lab
	ne fundamental concepts, principles, and applications of stair building,	166.5 Homework
estimating, a	nd lot descriptions. The student will study the techniques of layout and is kinds of stairs, the various methods of estimating, and investigate the	<u>Material Fee;\$3.00</u> The first of four 9-week courses designed to prepare a person for employment in one
	ty is laid and numbered in the State of California.	of the many varied lobs in the bullding industry. The course teaches the components,
	n Recommended Preparation: CT 100, 104, 105, 108, CT 114 and	systems, processes and design of a single family residence as they apply to the first
	uivalent college courses with "C" or better, or equivalent trade experience	quarter of its construction as well as cabinet construction. These various elements
and recomm	endation of department. CT 119 should be taken concurrently.	are taught through the actual construction of a house both on the job and in the
		classroom. CT 121 leads to a Vocational Certificate in Construction Technology or
CT 114	RESIDENTIAL CONSTRUCTION I 4 UNITS	an Associate of Science degree in Construction Technology. There are no prerequisites
Hours:	2 Lecture/Discussion 6 Lab	and a student is able to enter the program at any 9 week starting point. Students will be required to furnish their own tool bags, tape measure, texts and classroom supplies.
The first cla	iss in the Construction Technology program that provides hands-on	be required to lumish their own tool bags, tape measure, texts and classroom supplies.
	ugh the process of constructing a house. The student will participate in	CT 122 RESIDENTIAL CONSTRUCTION 2 7 UNITS
	tion of a house including building layout, construction of foundation floor,	Hours: SHORT TERM CLASS (Total Hours 378-a 9-Week Course)
	and roof systems, roofing, plumbing, insulating and window installation.	90 Lecture
	n Recommended Preparation: CT 100 and 104 should be taken	121.5 Lab
concurrently	И.	166.5 Homework
CT 115	RESIDENTIAL CONSTRUCTION II 4 UNITS	Material Fee: \$3.00
Hours:	2 Lecture/Discussion	The second of four 9-week courses designed to prepare a person for employment in one of the many varied lobs in the building industry. The course teaches the
nyura	6 Lab	components, systems, processes and design of a single family residence as they
The second	class in the Construction Technology program that provides hands-on	apply to the second quarter of its construction as well as cabinet construction. These
	ugh the process of constructing a house. The student will participate in	various elements are taught through the actual construction of a house, both on the
	tion of a house including dry-wall installation, taping and texturing, interior	job and in the classroom. CT 122 leads to a Vocational Certificate in Construction
	ntry, exterior finish carpentry, painting and finish plumbing. Hand and	Technology or an Associate of Science degree in Construction Technology. There
	are provided, although the students are required to provide their own nail	are no prerequisites and a student is able to enter the program at any 9-week starting
	pe measures. n Recommended Preparation: CT 100, 104 and CT 114 or equivalent	point. Students will be required to furnish their own tool bags, tape measure, texts and classroom supplies.
	ses with "C" or better. CT 101 and 105 should be taken concurrently.	
		CT 123 RESIDENTIAL CONSTRUCTION 3 7 UNITS
CT 118	RESIDENTIAL CONSTRUCTION III 4 UNITS	READING, RESIDENTIAL CONSTRUCTION
Hours:	3 Lecture/Discussion	Hours: SHORT TERM CLASS (Total Hours 378-a 9-Week Course)
	3 Lab	90 Lecture
	roject house class, this is an advanced study of house construction,	121.5 Lab
	many phases of safety, the layout and construction of the foundation, a, floor joist and subfloor, plates and walls, ceiling joist, rafters, and the	166.5 Homework
	ds of roof covering. Also included in the course of study is the use of	Material Fee: \$3.00 The third of four 9-week courses designed to prepare a person for employment in one
	d trade nomenclature.	of the many varied lobs in the building industry. The course teaches the components,

Advisory On Recommended Preparation: CT 100, 101, 104, 105, CT 114, and CT 115 or equivalent college courses with "C" or better, or equivalent trade experience and recommendation of department.

Corequisite: CT 108 should be taken concurrently.

CT 119 RESIDENTIAL CONSTRUCTION IV 4 UNITS Hours: 3 Lecture/Discussion 3 Lab

6 Homework

The fourth class in the Building Trades program that provides theory as well as handson learning by constructing a house which includes building layout, construction of ceiling and roof framing systems, roof covering, plumbing, window and door installation, and insultation.

Advisory On Recommended Preparation: CT 118 or equivalent college course with "C" or better, or skills and knowledge as determined by department assessment. CT 109 should be taken concurrently.

<u>Material Fee:\$3.00</u>

90 Lecture

121.5 Lab

166.5 Homework

CT 124

Hours:

The fourth of four 9-week courses designed to prepare a person for employment in one of the many varied jobs in the building industry. The course teaches the components, systems, processes and design of a single family residence as they apply to the fourth quarter of its construction as well as cabinet construction. These various elements are taught through the actual construction of a house, both on the job and in the classroom. CT 124 leads to a Vocational Certificate in Construction Technology or an Associate of Science degree in Construction Technology. There are no prerequisites and a student is able to enter the program at any 9-week starting point. Students will be required to furnish their own tool bags, tape measure, texts and classroom supplies.

systems, processes and design of a single family residence as they apply to the third

quarter of its construction as well as cabinet construction. These various elements

are taught through the actual construction of a house, both on the job and in the classroom. CT 123 leads to a Vocational Certificate in Construction Technology or

an Associate of Science degree In Construction Technology. There are no prerequisites

and a student is able to enter the program at any 9-week starting point. Students will

be required to furnish their own tool bags, tape measure, texts and classroom supplies.

SHORT TERM CLASS (Total Houre 378-a 9-Week Course)

7 UNITS

RESIDENTIAL CONSTRUCTION 4

CONSTRUCTION TECHNOLOGY

CONSTRUCTION TECHNOLOGY

OLOGY	CONSTRUCTION TECHNOLOGY

Course Descriptions

CT 125	FUNDAMENTAL REMODELING	4 UNITS	CT 149a-d		IITS
Hours:	3 Lecture/Discussion		1	CAREERS FOR WOMEN-CABINET MAKING	
This course	3 Lab is a basic remodeling course with no prerequisite	as This course covers	Hours:	3 Lecture/Discussion 3 Lab	
	mbing, electrical, insultation, drywall, finish carper		This course	includes study of the fundamentals, concepts, principles and app	ications
	esigned for persons interested in remodeling fr			aking and millwork covering: tool and machine safety, identific	
	builder or anyone Interested in remodeling. This			hand power tools and machines used in the cabinet shop, prope	
	ure/demonstration presentation with hands-on rem			hand power tools and machines, tool and machine mainte	
use and sal	fety of typical construction tools and equipment w	ill be taught.		g construction, cabinet and milling details and drawings,	
CT 130	MANAGING RESIDENTIAL CONSTRUCTIO	N 3 UNITS	times.	ayout and the construction of cabinets. This course may be repeat	30 (nree
Hours:	2 Lecture/Discussion		umes.		
	2 Lab		CT 150	FUNDAMENTALS OF CABINET MAKING I 4 UN	ITS
	5 Homework		Hours:	3 Lecture/Discussion	
	prepares a student for employment in the const			3 Lab	
	nt or supervision level. Students will study co		A study of th	6 Homework	tmaking
managers	relationship with engineers, upper management ors, regulatory officials and utility companies. Si	udents will work with		he fundamental concepts, principles, and applications of cabine k covering many phases of cabinet design, safety, use of m	
	rom the construction industry.			ting and sketching, planning and estimating, trade nomenclatur	
	n Recommended Preparation: CT 121, 122, 1	23, 124, COMP 130,		rs. This course is an invaluable career asset for people inter	
	nt college courses with "C" or better or equivalen	t skills and knowledge	cabinetmaki	ng, woodworking, or furniture making fields.	
as determir	ned by division assessment.		· · · · ·		
CT 132	BASIC CONSTRUCTION SYSTEMS	3 UNITS	CT 151 Hours:	CABINETMAKING III, LAYOUT TECHNIQUES 4 UN 4 Lecture/Discussion	115
Hours:	3 Lecture/Discussion	3 04113	nours:	2 Lab	
	6 Homework		A study of t	he fundamental concepts, principles, and applications of cabine	tmaking
This course	deals with basic building systems including structu	iral concrete, steel and		k covering the many phases of cabinet design, safety, use of m	
	applications in construction, building codes, regulat			ware, glues, clamps, trade nomenclature, cabinet construction, r	nethods
	nt. This course leads to employment in the constr	uction industry or to a		punter tops, and the Installing of cabinets and tops.	
	Construction Management Program. I <mark>n Recommended Preparation:</mark> CT 121, 122, 1	123 124 COMP 130		On Recommended Preparation: CT 150 and CT160 or eq ses with "C" or better, or equivalent trade experience and recomme	
	nt college courses with "C" or better or equivalen			ent. CT 161 should be taken concurrently.	aluation
	ned by division assessment.				
			CT 160	CABINETMAKING II 4 UN	IITS
CT 134	RESIDENTIAL CONSTRUCTION ESTIMATI	NG 2 UNITS	1	CABINETMAKING TOOLS AND MILLWORK	
Hours:	2 Lecture/Discussion 1 Lab		Hours:	3 Lecture/Discussion 3 Lab	
	3 Homework			6 Homework	
A study of t	he fundamental concepts, theories, principles and	d applications covering	Materials F		
the many pl	nases of residential construction estimating. Such it	ems as cost, materials,	A study of t	he fundamental concepts, principles, and applications of cabine	l-making
	aterials, materials take off, and trade nomenciature	e will be discussed and		rk, woodworking techniques, drawing, layout, and construction	
studied for	each phase of estimating.			or people interested in cabinetmaking, woodwork, or furniture	making
CT 135	BLUEPRINT	2 UNITS	Careers.	n Recommended Preparation: CT 150 or equivalent college	
01 133	READING, RESIDENTIAL CONSTRUCTION			better (at a minimum CT 150 should be taken concurrently), or e	
Hours:	2 Lecture/Discussion	•		etermined by division assessment.	jantaioni
	1 Lab				
	3 Homework		CT 161	CABINETMAKING IV 3 UM	lits
	he fundamental concepts, principles and applicatio			RESIDENTIAL CABINET CONSTRUCTION	
	will learn the basic fundamentals of reading and int pations. It is of great value to the person pursuir		Hours	2 Lecture/Discussion 4 Lab	
	i inspection, real estate, or as a maintenance en		A study of t	the fundamental concepts, principles, and applications of cabine	tmaking
			and milliwori	k covering the many phases of: tool and machine safety, iden	tification
CT 138	CONTRACTORS LICENSE LAW	3 UNITS	of hand tool	is, hand power tools and machines used in the cabinet shop, pro	oper use
Hours:	3 Lecture/Discussion			ois, hand power tools, and machines, tool and machine main	
	ne fundamental concepts, principles, and applicatio			g construction, cabinet and milling details and drawings and	various
	afety, and business laws concerning the construct is designed for the individual interested in taking			layout, and construction of project house cabinets. On Recommended Preparation: CT 150 and CT 160 or et	ulveleni
	n for the General Contractors (B) License, or the Si			rses with "C" or better. CT 151 should be taken concurrently	
	for the student interested in the laws governing				•
Advisory (On Recommended Preparation: Construction 1				
or recomme	andation of department.		1		
			1		

CONSTRUCTION TECHNOLOGY

	SIC CABINETMAKING	4 UNITS	CT 173	BUILDING SUPERVISION &
	ecture			INSPECTIONELECTRICAL
of cabinetmaking a hand tools, hand p hand tools, hand woodworking con methods of layout a time.	ab es study of the fundamentals, concepts, princip and millwork covering: tool and machine sal lower tools and machines used in the cabinet power tools and machines, tool and mac istruction, cabinet and milling details and and the construction of cabinets. This course n commended Preparation: Construction Tec	fety, identification of shop, proper use of chine maintenance, drawings, various nay be repeated one	techniques necessary n inspection a Advisory C inspector in	3 Lecture indamental course designed to acquaint thused in plan review and field inspection nathematics to effectively review plans ar nd project supervision will be included in On Recommended Preparation: Empl building industry or department recommen Trades courses.
or department rec	•	annoiogy experience	CT 174	BUILDING SUPERVISION & INSPECTION-MECHANICAL
	MMERCIAL CABINET CONSTRUCTION ecture ab	3 UNITS		3 Lecture damental course designed to acquaint the s used in plan review and field inspection o
study and constructio and the constructio a career in drafting be repeated one ti	working techniques, cabinet and milling detail ction of cabinet doors and drawers, various n of commercial cabinets. It is of great value to g, interior decorating, architecture or construction me. commended Preparation: CT 150 or CT	methods of layout, the person pursuing on. This course may	inspection a Advisory C inspector in	nathematics to effectively review plans an nd project supervision will be included in On Recommended Preparation: Empl building industry or department recommer tion Technology courses.
	"C" or better, or equivalent trade experience a		CT 175 Hours:	BUILDING SUPERVISION & INSPECTION-PLUMBING 3 Lecture/Discussion
	LDING SUPERVISION AND PECTION - CONCRETE CONSTRUCTION	3 UNITS	This is a fun	damental course designed to acquaint the s of plumbing systems, the plumbing code ap
Hours: 3 L This course is des	ecture signed to meet the needs of persons engage buildings under construction. Construction conf		supervision	of projects. The necessary mathematics to s for building inspection and project super
plan reading, site materials, soil fund provide the student	layout, basic principles of structural engine lamentals and concrete construction are studi ts with an understanding of the fundamental en design of a structure.	ering, mechanics of ed. The course will	Advisory C inspector in	Dn Recommended Preparation: Emplo building industry or department recommer tion Technology courses.
	commended Preparation: Construction Tec	chnology experience	CT 176	BUILDING SUPERVISION AND INSPECTIONARCHITECTURE
	LDING SUPERVISION AND PECTION-WOOD AND METAL CONSTRU	3 UNITS		3 Lecture is designed to meet the needs of persons on of buildings under contruction, emphasiz
	ecture Iomework			use of model codes together with the mather pecifications for building inspection and pr
supervision and in student with an u	signed to meet the needs of persons desiring repection of building construction. This counderstanding of the scope of their authority construction project. The student will develop	rse will provide the and extent of their	inspector in	Dn Recommended Preparation: Empl building industry or department recommer tion Technology courses.
• •	al engineering properties of wood, metal and		CT 180 Hours:	MULTIPLE RESIDENTIAL FIRE SPR 1.5 Lecture/Discussion
	LDING CODES	3 UNITS		1 Lab
This course is des supervision and in checking of buildin	ecture signed to meet the needs of persons desiring spection of building construction and also ir g plans for code compliance. This course will fing of the Uniform Building Code and the Cali	the reviewing and provide the student	for homes, inspectors and one and one	s and educates the student to inspect and/or apartments and motels. The course is f and building inspectors and interested home of e-half hours per week of lectures with exten ek will be used to layout and design fire sp

CT 205a-d	PLUMBING	3 UNITS
Hours:	2 Lecture/discussion 3 Lab	
	4 Homework hours	

This is a basic course in plumbing for individuals who wish to pursue a plumbing career or for their general knowledge. This course teaches basic plumbing theory, materials and installation procedures. This is done in the classroom and through the plumbing of a house. This course is repeatable three times.

CONSTRUCTION TECHNOLOGY

	inspector in		•	endation for students i
	, J			
	CT 174	BUILDING SUPE		3 UNI
	Hours:	3 Lecture		
	This is a fu	ndamental course des	igned to acquaint the	student with the metho
	techniques	used in plan review	and field inspection	of mechanical system
				and specifications for
			on will be included in	
1				ployment as craftspe
				endation for students i
		tion Technology co		shadion for suddenie i
	CT 175	BUILDING SUP	RVISION &	3 UN
		INSPECTION-PL	UMBING	
	Hours	3 Lecture/Discu		

with an understanding of the Uniform Building Code and the California Building Code which is another name for the California Code of Regulations, Title 24, Part 2. The student will develop an understanding of the various sections of the building code and their relationship to each phase of a construction project. They will also develop their ability to research and interpret the many different aspects of the code such as the Administrative requirements, allowable structural qualities of various building materials and the Fire and Life Safety regulations.

Advisory On Recommended Preparation: Building Trades experience or department recommendation.

3 UNITS

the student with methods and n of electrical systems. The and specifications for building the course.

ployment as craftsperson or involved

NTS

nods and ns. The building

erson or involved

IITS

student with the methods and pplication, field inspection and to effectively review plans and ervision will be included in the

ployment as craftsperson or endation for students involved

3 UNITS

ns engaged in the supervision sizing the study of engineering hematics necessary to interpret project supervision.

ployment as craftsperson or endation for students involved

RINKLERS 2 UNITS

or design fire sprinkler systems for sprinkler contractors, fire owners. The course requires ensive class participation. One hour per week will be used to layout and design fire sprinkler systems. At least two hours per week will be required to fulfill homework assignments.

CONSTRUCTION TECHNOLOGY

CONSUMER/FAMILIY STUDIES

Course Descriptions

CT 270a-b RESIDENTIAL WIRING 3 UNITS Hours: 3 Lecture hours 6 Homework hours

This course covers theory and application of electrical principals and practices currently used in the design and installation of residential electrical systems. The students will learn circuit design criteria, and proper methods of component installation for main service entrance panels, sub-panels, and branch circuits with multiple switching locations utilizing the applicable codes and regulations. This course may be repeated one time.

CONSUMER/FAMILIY STUDIES

CFS 6	COLOR AND DESIGN	3 UNITS
Hours:	2 Lecture/Discussion	
	2 Lab	
Cross Ref:	ART 6	
88 4. 1.1 17.		

Materials Fee: \$10.00

This is a basic course in art with a primary purpose of familiarizing the students with elements and principles used in design art. It includes fundamental concepts of form, shape, line and color in second dimensions. CAN ART 14

CFS 7	COLOR AND DESIGN	3 UNITS
Hours:	2 Lecture/Discussion	
	2 Lab	
Cross Ref:	ART 7	

Materials Fee: \$10.00

Advanced course in art with a primary purpose of developing further elements of design into a student's personal style. A continuation of design principles as it applies to art methods. CAN ART 16.

Advisory On Recommended Preparation: ART/CFS 6 or equivalent college course with "C" or better.

CFS 26	MARRIAGE AND FAMILY LIFE	3 UNITS
Hours:	3 Lecture/Discussion	
	6 Homework	

Cross Ref: SOC 26

This course covers the following topics in marriage and family: dating and mateselection, communications and conflict resolution, dual career families, human sexuality, family planning, parenthood, divorce and remarriage, changing gender roles and family economics. CAN FCS 12.

CFS 80	LIFESPAN DEVELOPMENT	3 UNITS
Hours:	3 Lecture/Discussion	
	6 Homework	

A study of human development incorporating the major stages of life from conception to old age and death. Emphasis on physical, cognitive, social, emotional, and moral development. The interrelationship of heredity and environment in these areas and the effect on human development will be explored. Major topics include, human behavior, theories, sexuality, nutrition, health and stress.

CFS 136	INTRODUCTION TO AGING	3 UNITS
Hours:	3 Lecture/Discussion	
	6 Homework	

Cross Ref: NURS 136 and SSCI 136

An introductory course covering topics in gerontology/aging; demographics, theories, concepts, perspectives, and research, including biophysical, psychosocial, cultural, political, and ethnic topics which impact individuals, families and society.

CFS 186 PERSONAL MANAGEMENT/ CONSUMER ECONOMICS Hours: 3 Lecture/Discussion 6 Homework 3 UNITS

This course is designed to approach financial management from a personal point of view. Topics include: budgeting, use of personal credit, selection of consumer goods and services; such as insurance, autos, housing and durable goods. A valuable course for all students that provides important tools for success.

COSMETOLOGY

COSM 261	BASIC COSMETOLOGY (Each additional unit is based on 42 hours)	6-12 UNITS	DSCI 104 Hours:	BREEDING AND 3 Lecture/Discus
Hours:	3-5 Lecture/Discussion)	Material Fo	1 Lab
	12-25 Lab 6-10 Homework		Material Fee	part of the Dairy Sci
Cosmetology	261 includes a study of basic scientific theories	and techniques as		ints an understanding
	cosmetology. The course covers the principles of			oduction, and artificia
	coloring, in addition to the fundamentals of ma			by all students.
manicurring.	See certificate program information regarding ho	urly requirements.		
	n Enrollment: Admission into a Cosmetology Sci		DSCI 105a-0	DAIRY CATTLE
	Accreditaion Commission of Cosmetology, Arts ar	nd Sciences which		AND SHOWING
has contracte	d with College of the Sequoias.		Hours:	1 Lecture/Discus
COSM 262			An introducto	1 Lab ry course in the sele
CU3141 202	INTERMEDIATE COSMETOLOGY (Each additional unit is based on 42 hours)	6-12 UNITS		rstanding of how dai
Hours:	3-5 Lecture/Discussion			udents also have the
	12-25 Lab			course may be repe
Cosmetology	262 includes a study and performance of scie	ntific theories and		
	s they apply to cosmetology. The course cov		DSCI 106a-I	
	e hair and skin, scalp and nails; the application of			DAIRY PRODUCT
	ring, facials and manicuring. See Certificate Pr urly requirements.	ogram information	Hours:	3 Lecture/Discus 1 Lab
	Completion of COSM 261 with a "C" or better.		This course	is designed to fam
daiene.				Lab time is spent in
COSM 263a-b	ADVANCED COSMETOLOGY	6-8 UNITS		and proper milk manu
	(Each additional unit is based on 42 hours)		one time.	
Hours:	5 Lecture	[DCCL 407-	
	15-25 Lab 10 Homework		Hours:	d PRACTICAL SKII 1 Lecture
Cosmetology	263a-b is a 10 week course that includes the ac	ivanced study and	noura.	2 Lab
	of scientific theories and techniques apply to cosme			1 Activity
covers treatm	ents of the hair, skin, scalp and nails; ethics in cosn	netology; and salon	Dairy Scienc	e 107a-d is designed
	management skills. The second section will allow			uction applications.
	oblem solving in more depth, or provide a State	Board review,		or on other dairies wi
	nay be repeated one time. Completion of COSM 261 or 262 with a "C" or	hottor		s, fresh cow care, equ This course may be
r iorequiatte.		Detter.	daily work.	This course may be
			DSCI 108	DAIRY NUTRITIC
	DAIRY SCIENCE		Hours:	3 Lecture/Discus
			Daine Science	1 Lab e 108 is designed to
DSCI 101	ELEMENTS OF DAIRYING	3 UNITS		utrition. Nutrient req
Hours:	3 Lecture/Discussion 1 Lab			and feeding systems
An introducto	y course designed to give students the basic under	standing of dairving		vill be used along with
	Includes calf raising, record evaluation, fitting an		usage.	-
cattle, housin	g, dairy setup facilities, and evaluating of dairy cattle	e. The course also		
	career opportunities available in the Dairy Industry	by visiting several	DSCI 200	APPLIED MECHA 2 Lecture/Discus
dairies in the	local area. CAN AG 28.	ļ	Hours:	2 Lecture/Discus
DSCI 102	PRINCIPLES OF MILK PRODUCTION	3 UNITS	This course i	s designed to be part
Hours:	3 Lecture/Discussion	3 01411 3		ocus on the various ty
	1 Lab			g and repair of comm
Dairy Science	102 is designed to give students the factors involve	d in milk production		ance of dairy equipm
by dairy cow	s. Includes anatomy and physiology of the mam	mary gland, udder		e covered. Barn eq
	atic milking equipment, dairy sanitation, and use of	antibiotics in dairy		cuum pumps, milk pators and vacuum re
cattle.			devices, puis	ators and vacuum n

DSCI 103 COMMERCIAL DAIRY HERD MANAGEMENT 3	UNITS
Hours: 3 Lecture/Discussion	
1 Lab	

Material Fee: \$5.00

Successfully managing a commercial dairy operation is the goal of this course. Use of computer herd health programs, cost analysis using spreadsheets, and managing techniques are covered. Practical hands-on applications of the decision-making process involving feeding, herd health, labor, and cost of production are covered.

DAIRY SCIENCE

UNITS	DSCI 104 Hours:	BREEDING AND SELECTION OF DAIRY 3 Lecture/Discussion 1 Lab	CATTLE 3 UNITS
	Material Fee		
)		part of the Dairy Science curriculum at C.O.S.	The course is designed
iques as		nts an understanding of selection techniques, a	
, cutting,		duction, and artificial insemination. Practical	hands-on use of A.I. will
cials and	be covered b	oy all students.	
rements.			
dited by	DSCI 105a-d	DAIRY CATTLE SELECTION, JUDGING	1 UNIT
es which	Hausai	AND SHOWING 1 Lecture/Discussion	
	Hours:	1 Lecture/Discussion 1 Lab	
	An introductor	ry course in the selection of dairy cattle. It is a	lesioned to give students
	a basic under and type. Str	rstanding of how dairy cattle are selected base udents also have the option to compete on the ourse may be repeated three times.	ed on body conformation
ries and			
lers and	DSCI 106a-b		3 UNITS
, cutting, formation	Hours:	DAIRY PRODUCTS TECHNOLOGY 3 Lecture/Discussion 1 Lab	
	This course	is designed to familiarize students with the	e dairy industry and its
UNITS	processes.	ab time is spent in local milk plants to affor nd proper milk manufacturing procedures. This	d the student first hand
{		PRACTICAL SKILLS IN DAIRYING	1 UNIT
	Hours:	1 Lecture	I UNIT
tudy and		2 Lab	
e course		1 Activity	
ind salon	Dairy Science	e 107a-d is designed to give students a chan	ce to gain practical skills
t of skills,		ction applications. Students will be able to m	
/iew,		r on other dairies with instructor approval. Ot	
		s, fresh cow care, equipment repair, fitting and sl	howing cattle and general
	daliy work, i	his course may be repeated three times.	
ļ	DSCI 108 Hours:	DAIRY NUTRITION 3 Lecture/Discussion 1 Lab	3 UNITS
INITO	Dairy Science	108 is designed to give advanced dairy stude	ents an in-depth study of
JNITS	dairy cattle n	utrition. Nutrient requirements of dairy cattle, c nd feeding systems will be discussed. Comp	ommodity feeding, ration
f dairying		ill be used along with using spreadsheets to pro	
of dairy	usage.		
urse also			
g several	DSCI 200	APPLIED MECHANICS IN DAIRY SCIEN	CE 2 UNITS
-	Hours:	2 Lecture/Discussion	
JNITS	course will fo	2 Lab s designed to be part of the Dairy Herdperson's cus on the various types of equipment used in and repair of commonly found equipment and	the dairy industry today.
roduction		ince of dairy equipment such as feed wagons,	
roduction Id, udder		e covered. Barn equipment service and repai	
s in dairy		uum pumps, milk pumps, refrigeration equ	
		ators and vacuum regulators. The diary indu	
	of mechancia	I devices that students should be able to pro	vide maintence for.
JNITS			
mo llec			
rse. Use			
nanaging n-making			
covered,			

DANCE

Hours: Choreography movement the	CHOREOGRAPHY 2 Hrs/Week Activity y is an introductory course in the study of elements pries as applied to the art of creating dance. This c		DANC 12 Hours: (Total H
repeated three	e times.		Cross F
DANC 8a-d Hours:	BEGINNING BALLET .5 Lecture/Discussion 1.5 Activity	1 UNIT	(ADDIT) A critical perspect
of classical b	the designed for the beginning dance student to learn the tallet technique. Barre wor, port de bras, and allegro his course may be repeated three times.		and histo be explo play and stay. Fe
DANC 10a-d Hours:	MODERN DANCE .5 Lecture/Discussion 1.5 Activity	1 UNIT	some the
placed on the	an introduction to the basic modern dance techniques importance of breath, body alignment, rhythmic move f movement through space, energy and time. This c	ment, and the	DRFT 1 Hours:
DANC 12a-d	JAZZ DANCE	1 UNIT	
Hours:	.5 Lecture/Discussion 1.5 Activity		A study of
trends and tra	designed for the beginning student to learn general princ iditional forms of Jazz Dancing, using a ballet foundatio ated three times.		will be p auxiliary pictorial deslgn.
Hours:	ADVANCED JAZZ DANCE 1 Lecture/Discussion 2 Activity	1 UNIT	students program Advisor course v
Emphasis is o This course n Advisory On	depth study of jazz dance technique, taught at an ac in different individual styles and techniques and freedom nay be repeated three times. I Recommended Preparation: DANC 12a or equi C* or better, or recommendation from the department.	of movement. valent college	DRFT 1 Hours:
DANC 16a-b Hours:	BEGINNING TAP DANCE .5 Lecture/Discussion	1 UNIT	This cou relations
	1.5 Activity		in variou pursuing
Students will	designed for the beginning student in the study of tap dan learn the art of making rhythmic sounds by the learned course may be repeated once.		and eng Advisor with "C"
DANC 41a-d	MUSICAL THEATER PERFORMANCE	2 UNITS	one yea
Hours: Cross Ref:	120 Total hours per semester MUS 97 a-d, DRAM 20 a-d ance, music, drama, and theater through active participa	tion in a major	DRFT 1 Hours:
musical produ	ction. Includes training and experience in all facets of the		Material
course may b	e repeated three times		This cou
	SOCIAL DANCE	1 UNIT	operatin industria
Hours:	.5 Lecture 1.5 Activity		the know
	1 Homework		manufac Advisor
styles includir	y course in social dance skills and the development of ig ballroom, swing, contemporary, and country-westerr	n dance. Skills	or curren
	ces are enhanced by supervised repetition and practic course may be repeated three times.	je Witnin Class	DRFT 1 Hours:
			<u>Material</u>
			This cou concepts
			skills by

DANCE

DANC 120a-d WORLD THEATRE AND DANCE Hours: SHORT TERM CLASS (Total Hours 252) 36 Lecture/Discussion 216 Activity Cross Ref: DRAM 120a-d

(ADDITIONAL FEES REQUIRED)

A critical analysis of the Performing Arts (Theatre, Dance, etc.) from an Audience perspective. Elements of play and dance production from the dramatic structure, style, and historical perspective of the script to the final presentation before an audience will be explored. Students will travel to London, New York City, or other sites to attend play and dance performances; backstage excursions, museums; for a two-week stay. Fee will cover roundtrip air fare, transfer to and from airport, hotel room, and some theatre tickets. This course may be repeated three times.

DRAFTING

NRFT 100 APPLIED DRAWING Iours: 3 Lecture/Discussion 3 Lab 3 Homework

A study of the fundamentals of technical drawing and practical applications. Emphasis will be placed upon: sketches, lettering, orthographic projection, working drawings, auxiliary views, dimensioning, developments, threads and fasteners, sections, pictorial drawing, duplication, and the interrelationships of each to manufacturing design. The course is recommended for all engineering and industrial technology students. The course is required in all drafting technology certificate and degree programs.

Advisory On Recommended Preparation: DRFT 200 or equivalent college course with "C" or better.

RFT 102 ours:	DESCRIPTIVE GEOMETRY 3 Lecture/Discussion 2 Lab	4 UNITS
	- Lan	
	7 Homework	

This course is a study of the fundamental theory, concepts and principles of spacial relationships. These are applied in the solution of three dimensional problems arising in various branches of engineering. Descriptive geometry is needed by everyone pursuing the knowledge and skills associated with architecture, construction, drafting, and engineering.

Advisory On Recommended Preparation: DRFT 100 or equivalent college course with "C" or better; and MATH 220 or equivalent college course with "C" or better or one year high school Geometry with "C" or better.

DRFT 114	INTRODUCTION TO AUTOCAD	4 UNITS
lours:	3 Lecture/Discussion	
	3 Lab	

Materials Fee: \$10.00

This course introduces computer assisted drafting and design workstation hardware, operating systems, and software utilization. Students will set up and generate industrial and architectural drawings with the computer. Invaluable for anyone seeking the knowledge and skills for entry into: architecture, construction, engineering manufacturing, design, drafting and related computer applications.

Advisory On Recommended Preparation: A recent (within 2 years) drafting class or current employment as a drafter.

DRFT 115	ADVANCED AUTOCAD	
Hours:	3 Lecture/Discussion	
	3 Lab	

<u>Materials Fee: \$10.00</u>

This course utilizes sophisticated computer software to expand upon the fundamental concepts of three dimensional visualization. The students will develop communication skills by generating pictorial drawings, 3-D drawings, surface models, solid models, renderings, and presentation graphics. This course is necessary for anyone seeking requisite knowledge and skills for entry into advertising, architecture, construction, drafting, engineering, interior design, manufacturing, technical illustration/rendering, and numerous computer design related fields.

Prerequisite: DRFT 114 or equivalent college course with "C" or better.

4 UNITS

Course Descriptions

3 UNITS

3 UNITS

DRAFTING

DRFT 116a-d AUTOCAD APPLICATIONS 4 UNITS Hours: 3 Lecture/Discussion 2 Lab 4 4 Homework Materials Fee: \$10.00 This course will provide advanced AutoCAD students with a systematic approach to rapidly solve drafting and design problems, and generate accurate presentation and scientifically correct conceptual or working drawings utilizing computer image generation skills and knowledge. This course may be repeated three times. Prerequisite: DRFT 115 or equivalent college course with "C" or better.	DRFT 162a-d INTEGRATED GRAPHICS 4 UNITS Hours: 3 Lecture/Discussion 3 Lab 6 6 Homework 6 Material Fee: \$10.00 Integrating Design processes as they relate to graphic design utilizing computer image generation skills and knowledge in the conceptualization, refinement, analysis, evaluation, and implementation of multi-media graphic design. This course may be repeated three times. DRFT 163 DIGITAL MECHANICALS 3 UNITS
DRFT 130 INTRODUCTION TO 4 UNITS COMPUTER ASSISTED CABINET DESIGN 4 UNITS Hours: 3 Lecture/Discussion 2 Lab 2 Lab A study of the fundamental concepts, principles, and applications of a computerized system covering all phases of cabinet design. By utilizing computers, students will design cabinets, generate cabinet drawings, cutting lists, estimates for material and labor, and contract documents. This course is an invaluable career asset for people interested in architecture, construction, cabinet and furniture manufacturing, drafting, and computer applications. DRFT 131 ADVANCED COMPUTER 4 UNITS ASSISTED CABINET DESIGN 4 UNITS Hours: 3 Lecture/Discussion 3 Lab A study of the fundamental concepts, principles, and applications of a computerized system covering all phases of cabinet design. By utilizing computers, students will design cabinets, generate cabinet drawings, cutting tests, estimates for labor and material, do job costing, and write job contracts. The student will also study the important aspects of: recreating the program parameters, changing the estimating information, changing lumber and labor costs, and saving cabinets to the library file of the program. This course is an invaluable career asset for people interested in architery diameters	Hours: 2 Lecture/Discussion 4 Lab 3 Homework This course is designed to provide working knowledge and skills required for graphics designers and pre-press professionals utilizing Adobe InDesign software. Advisory on Recommended Preparation: ITEC 160, or equivalent college course with a "C" or better, or equivalent skills and knowledge as determined by department assessment. DRFT 170a-d COMPUTER ANIMATION/RENDERING 4 UNITS Hours: 3 Lecture/Discussion 3 Lab 6 Homework 6 Homework Material Fee: \$10.00 Computer Animation and Rendering is a "hands on" exploration of professional two and three dimensional animation and rendering software for personal computers. Students will learn to communicate their ideas with images and animations created utilizing professional software such as Autodesk 3d MAX. The animated presentations will be played on personal computers, or output to video tape or CD. The course explores applications of computer animation and rendering for business, advertising, industry, law, graphic design, the environmental design professions, education and personal expression. This course may be repeated three times.
architecture, construction, cabinet and furniture manufacturing, drafting, and computer applications. Prerequisite: DRFT 130 or equivalent college course with "C" or better. DRFT 159 ADOBE ILLUSTRATOR 2 UNITS Hours: 2 Lecture/Discussion 2 Lab 2 Homework This course is designed to provide a working knowledge and skills required for graphic designers and illustrators in the use of Adobe Illustrator using a PC. DRFT 160 GRAPHIC DESIGN 4 UNITS Hours: 3 Lecture/Discussion 2 Lab 7 Homework Materials Fee: \$10.00 A study of graphic design theory, elements, principles, and methodology as used in graphic communication industry, taught through actual commercial applications. The students interested in art, design and any field of graphic communications will find this course an invaluable asset.	DRFT 200 BEGINNING MECHANICAL DRAWING 2 UNITS Hours: 2 Lecture/Discussion 2 Lab 2 Homework A rapid comprehensive coverage of the fundamentals of mechanical drawing and modern drafting practice. Including, but not confined to, the following: lettering, geometric drawing, orthographic projection, pictorial representation, and reproduction. This course is a basis for all drafting related majors and is recommended for students that have had no high school drafting but plan to enter architecture, engineering, drafting, or other graphic communication fields. DRFT 202 CIVIL ENGINEERING DESIGN 3 UNITS Hours: 2 Lecture/Discussion 2 Lab 5 Homework A class designed to prepare the participant to function effectively in a Civil Engineering Office or Department of Public Works within a city or county agency as a designer/drafter. DRFT 203a-c INTRODUCTION TO COMPUTER 2 UNITS
DRFT 161a-d GRAPHIC DESIGN APPLICATION 4 UNITS Hours: 3 Lecture/Discussion 3 Lab 6 Homework Material Fee: \$10.00 Creative problem solving process as it relates to graphic design utilizing computer image generation skills and knowledge in the conceptualization, refinement, analysis, evaluation, and implementation of graphic design. This course may be repeated three times. Prerequisite: DRFT 160 or equivalent college course with "C" or better.	ASSISTED CIVIL DRAFTING Hours: 1 Lecture/Discussion 2 Lab 3 Homework The Civil CAD course is designed to prepare the student for public and private industries that currently use CAD stations outfitted with Auto-CAD or Versa-CAD. It is a hands-on interactive CAD drafting course that will provide the student with advanced CAD skills especially as they relate to public works, subdivisions and various civil engineering drafting tasks. This course can be repeated two times. Advisory On Recommended Preparation: DRFT 114, 115, and 202 or equivalent college courses with "C" or better, or experience using CAD and recommendation of department.

DRAFTING

DRAMA

INTRODUCTION TO THE THEATRE DRAM 1 **3 UNITS** Hours: **3 Lecture/Discussion** This course is intended as a critical analysis of theatre from an audience perspective. Elements of play production from the dramatic structure, style and historical perspective of the script to the final presentation before an audience will be explored. Attendance at College Theatre Arts productions is required. CAN DRAM 18. FUNDAMENTALS OF ACTING I **3 UNITS** DRAM 2 **3 Lecture/Discussion** Hours: 1 Lab

Intensive application of acting techniques through study and performance and the learning of basic exercises for the actor; study and development of characters in performance from the contemporary theatre and recent internationally representative plays and musicals. CAN DRAM 8

DRAM 3	FUNDAMENTALS OF ACTING II	3 UNITS
Hours:	3 Lecture/Discussion	
	1 Lab	

This course is designed to exercise the separate parts of the composite art of acting which includes thought, emotion, and specific movement and vocal techniques. Emphasis is placed on the appraisal and analysis of stage techniques, acting theories, and practices in performance from experimental dramas and the theater of the absurd. The ultimate goal is to develop a firm foundation in basic acting techniques.

DRAM 4	INTERMEDIATE ACTING I	3 UNITS
Hours:	3 Lecture/Discussion	
	1 lab	

This course is designed as an advanced level of study of acting proficiency and technique begun in Theater Arts 2 and 3. Class lecture, discussion, and scene work focus on text and character analysis, clarity of characterization, vocal and physical expressiveness and emotional release. Acting scene material is taken from the plays of the classical Greek Theater, William Shakespeare and the Restoration comedies of the 18th Century.

Advisory On Recommended Preparation: DRAM 2 and 3 or equivalent college courses with "C" or better, or recommendation of department.

DRAM 5	INTERMEDIATE ACTING II	3 UNITS
Hours:	3 Lecture/Discussion	
	1 Lab	

Continuation of Theatre Arts 4 in which play texts are studied and presented with concentration on in-depth analysis of subject material, intensity of action, freedom of emotional release, and clarity of expression. Acting scenes are chosen from European and American plays of the late nineteenth century through the social dramas of the 1930's. Students may enroll in this course without having taken DRAM 4. Advisory On Recommended Preparation: DRAM 2 and 3 or equivalent college courses with "C" or better, or recommendation of department.

DRAM 6	SHAKESPEARE	3 UNITS
Hours:	3 Lecture/Discussion	
	6 Homework	

Theater Arts 6 is an introductory course that stresses student involvement with the literary and dramatic aspects of Shakespeare's works through the use of video, lecture, student reports, oral reports, and text analysis. It will also treat the playwright's life, times, sources, and influences on his work.

DRAM 7	ACTING SHAKESPEARE	3 UNITS
Hours:	3 Lecture/Discussion	
	1 Lab	

5 Homework

This course is designed as an advanced level of study of Shakespearean acting proficiency and techniques. Class lecture, discussion, and scene work focus on text and character analysis, clarity of characterization, vocal and physical expressiveness and emotional release.

Prerequisite: DRAM 2 or 3 or 4, AND DRAM 6 or equivalent college courses with "C" or better.

DRAMA

DRAM 8	HISTORY OF THEATRE AND DRAMA	
Hours:	3 Lecture/Discussion	
	6 Homework	

A survey of the history of theatre arts including literature, staging, style and practice emphasizing the relationship between theatre and its impact on and reflection of its cultural context within Western, Aslan, South American and African cultures from prehistory to the 17th Century.

HISTORY OF THEATRE AND DRAMA **3 UNITS** DRAM 9 Hours: **3 Lecture/Discussion** 6 Homework

A survey of the history of theatre arts including literature, staging, style and practice emphasizing the relationship between theatre and its impact on and reflection of its cultural context within Western, Asian, South American and African cultures from the 17th Century to the present.

DRAM 11a-d REHEARSAL AND PERFORMANCE **3 UNITS** Hours: SHORT TERM CLASS (A total of 6 weeks) 15 Activity

Rehearsal and performance in COS Summer Repertory Theater. This course provides study and exploration in all aspects of play production involving the actor and technician in order to develop acting capabilities and technical skills and disciplines. Productions will be presented for public performance. Enrollment is for the duration of the audition, preparation, and presentation phases of production. This course may be repeated three times. CAN DRAM 16-includes DRAM 11a only.

DRAM 12a-b COSTUMING Hours: 2 Lecture/Discussion 2 Lab 4 Activity Cross Ref: FASH 12a-b

A study of the principles and practice of costume construction from pattern to completed garments. Construction techniques, fabrics, basic patterns, wardrobe plotting, and historical styles. Additional hours required to work on crews for college productions. This course may be repeated one time.

DRAM 13a-b BEGINNING STAGECRAFT 2 Lecture/Discussion Hours:

2 Lab 4 Acitivity

A survey is made through lecture, demonstration and laboratory experience of all technical phases of scene production including construction, painting, rigging, placement, and manipulation of stage scenery and properties. Additional hours required for crew work on college production. This course may be repeated one time. CAN DRAM 12 (includes DRAM 13a only)

DRAM 14a-b	INTERMEDIATE STAGECRAFT	3 UNITS
Hours:	2 Lecture/Discussion	
	2 Lab	
	4 Activity	
This course is	designed as an intermediate class for the stu	ident who has completed
Theatre Arts 1	3a-b. The student will continue the study of Sta	gecraft by being assigned
the added re	esponsibilities of construction crew and pro	duction staff leadership
ممار المربابات المما	ing appairuption and presententional problem	a an well an anona abon

iD Individual design, construction, and organizational problems as well as scene shop and theatre maintenance techniques will be assigned. Additional hours required for crew work on college productions. This course may be repeated one time.

Advisory On Recommended Preparation: DRAM 13a or equivalent college course with "C" or better.

DRAM 15a-b BEGINNING STAGE LIGHTING **3 UNITS** Hours: 2 Lecture/Discussion 2 Lab

This course introduces the student to the basic concepts of theatre lighting. Study includes the operation of stage lighting, the planning and rigging. Additional hours are required for crew work on college productions. This course may be repeated one time.

Course Descriptions

3 UNITS

3 UNITS

3 UNITS

DRAMA

DRAM 16a-b Hours:	INTERMEDIATE STAGE LIGHTING 2 Lecture/Discussion 2 Lab	3 UNITS	DRAM 40a-b MUSICAL THEATRE Hours: 3 Lecture/Discussion 1 Lab	3 UNITS
responsibilitie rlgging and or maintenance This course	will continue the study of Stage Lighting by being as s of lighting crew and production staff leadership. 'ganizational problems, as well as lighting instrument a and operation techniques, will be assigned. Additional may be repeated one time. s: DRAM 15a or equivalent college course with "C"	Individual design nd control system al hours required.	5 Homework This course is designed as an introduction to the fund that musical theatre students must apply to performance examines musical theatre as an art form and studies contemporary culture. This course may be repeated Advisory on recommended Preparation: MUS 30a college courses with "C" or better.	ce situations. The course also its place in history as well as one time.
DRAM 17a-b	MAKEUP	3 UNITS	conege courses with C of better.	
Hours:	2 Lecture/Discussion 2 Lab		DRAM 60 AFRICAN-AMERICAN THEATER Hours: 3 Lecture/Discussion	3 UNITS
This course is	4 Activity FASH 17a-b s designed to introduce the student to the basic techniq makeup. Additional hours required to work on c		This class is an interpretive survey of the history, im African-American Theatre. The contributions of African and directors will be studied. Students analyze and p	-American playwrights, actors
productions. 17a only.	This course may be repeated one time. CAN DRAM 1	4 includes DRAM	DRAM 101a-d INTRODUCTION TO TV PRODUCTIO Hours: 3 Lecture/Discussion 1 Lab	ON 4 UNITS
DRAM 18a-b Hours:	ADVANCED THEATRE CRAFTS 2 Lecture/Discussion	3 UNITS	2 Activity 6 Homework	
stagecraft, st work in leade productions.	2 Lab tudies the function and application of design principles in age lighting, costuming and makeup. Additional lab h rship roles as production crew leaders on college Theat This course may be repeated one time. n Recommended Preparation: Recommendation	ours are required: re Arts and Dance	This course, which is an introduction to all aspects combine lecture, studio experience at locations such as learning sites, and independent work. Specifically, it w camera work, graphics, editing and writing. Students completed video tape which reflects their efforts in all final class project. This course may be repeated three	s TV production sites, distance vill cover producing, directing, will be required to submit a aspects of the course as their
	THEATRE WORKSHOP 1 SHORT TERM CLASS (Total Hours 120)	2 UNITS	DRAM 102a-b WRITING THE PROFESSIONAL SCREE Hours: 3 Lecture/Discussion	ENPLAY 3 UNITS
will be acco Includes trair	120 Activity In drama and theatre from classical Greek through 19 Implished through active participation in major dram ing and experience in acting, costuming, make-up, se ghting. This course may be repeated three times.	natic productions.	6 Homework This course is designed to introduce students to the ful writing screenplays for film and television. The cou- characterization, dialogue, structure, script format, and are designed to introduce students to the contemporar This course may be repeated one time.	urse emphasizes story, plot, I writing process. Other topics
Hours: Cross Ref:	MUSICAL THEATRE PERFORMANCE: THEATR 120 hour course MUS 97a-d, DANC 41a-d		Advisory on Recommended Preparation: ENGL 25' with "C" or better, or eligibility for ENGL 1 as det Procedures.	
dramatic proc	n drama and theatre through active participation in n luctions. Includes training and experience in all facets o be repeated three times.		DRAM 120 WORLD THEATRE AND DANCE Hours: SHORT TERM CLASS: (Total Hours 36 Lecture/Discussion	3 UNITS 252)
DRAM 21a-d Hours:	THEATRE WORKSHOP 2 SHORT TERM CLASS (Total Hours 120) 120 Activity	2 UNITS	216 Activity Cross Ref: DANC 120a-d (ADDITIONAL FEES REQUIRED)	
will be acco Includes trair	n drama and theatre from Classical Greek through 19 mplished through active participation in major dran ling and experience in acting, costuming, make-up, se ghting. This course may be repeated three times.	natic productions.	A critical analysis of the Performing Arts (Theatre, D perspective. Elements of play and dance production from and historical perspective of the script to the final prese be explored. Students will travel to London, New York play and dance performances; backstage excursion:	m the dramatic structure, style, ntation before an audience will k City, or other sites to attend
DRAM 22a-d Hours:	ONE ACT PLAY PRODUCTION 1 Lecture/Discussion 4 Lab	2 UNITS	stay. Fee will cover roundtrip air fare, transfer to and some theatre tickets.	
techniques o play before Advisory or with a "C" or	3 Homework is designed to introduce the student to the backgrouf f stage direction and play production leading to the sta an audience. The course may be repeated three tin Recommended Preparation: DRAM 1 or equivale better; DRAM 2, 3, 4, or 5 or equivalent college.com A 12, 13, or 15 or equivalent course with a "C" or be	aging of a one act nes. nt college course urse with a "C" or		
DRAM 30a- Hours:	b STAGE MOVEMENT/STAGE COMBAT 1 Lecture/Discussion 3 Lab 2 Homework	2 UNITS		
	2 Homework s designed as an introduction of the function and the a nd stage combat as it applies to the actor and theatrica	•••••		

DRAMA

course may be repeated one time.

DRAMA

DRAM 170 MODELING **3 UNITS** Hours: **3 Lecture/Discussion**

Cross Ref: FASH 170

An introduction to the modeling industry and the roles of models and agencies. Instruction will include experience in basic fashion and photographic techniques; portfolio preparation; stage and photographic makeup; runway techniques; posture, gesture and movement and participation in a fashion production. Students will also analyze and evaluate personal diet, nutrition and exercise, skin care and makeup.

DRAM 180	a-d COMMUNICATION STRATEGIES IN THE	2 UNITS
	PERFORMING ARTS	
Hours:	2 Lecture/Discussion	

4 Homework

This course is designed to offer students the opportunity to learn and exercise professional responsibility skills in the context of college-level theatre. Responsibilities may include: production analysis, theatre management, time management, conflict management, creating a video portfolio, as well as public communication relations strategies. This course may be repeated three times.

Limitation on Enrollment: Admittance into the Sequoias Theatre Conservatory.

DRAM 202a-d ACTING FOR THE CAMERA 1 UNIT

9 Lecture/Discussion Hours:

24 Lab

18 Homework

The course teaches On Camera Acting Techniques. It familiarizes the student with movement and performance in front of the camera (3/3 shot, close up, reversal, pan, walk in shot, two shot). The course is repeatable three times,

Advisory on Recommended Preparation: Some acting experience, either in college, high school or community theater.

ECONOMICS

ECON 1 **PRINCIPLES OF ECONOMICS 1 3 Lecture/Discussion** Hours:

A study of the principles of national output, income, employment and prices. The subject matter includes an analysis of aggregate production, inflation, the banking system, and the application of fiscal and monetary policy. Macroeconomics also concerns itself with how the United States economy interacts with the rest of the world. CAN ECON 2.

Advisory On Recommended Preparation: MATH 200 or 215 or MATH 205, or equivalent college course with "C" or better, or one year high school algebra with "C" or better, or eligibility for MATH 230 determined by COS Placement Procedures.

ECON 2 **PRINCIPLES OF ECONOMICS 2** 3 UNITS Hours: **3** Lecture/Discussion

Microeconomics: Principles and applications in the theory of producer and consumer behavior, and the distribution of payments as derived from output markets. Various market structures are reviewed and the role of government production, regulation, and involvement in firm decisions and consumer behavior are analyzed. CAN ECON 4.

Advisory On Recommended Preparation: Math 200 or MATH 215 or MATH 205, or equivalent college course with "C" or better, or one year high school algebra with "C" or better, or eligibility for MATH 230 determined by COS Placement Procedures.

DIRECT CURRENT CIRCUITS

Hours: 4 Lecture/Discussion

4 Lab 7 Homework

Materials Fee: \$5.00

ELEC 101

This is the introductory class in the C.O.S. Electronics program. It offers training for students entering the electronics field. Designed to introduce students to electronics, mathematics, DC circuit analysis, and use of test equipment. Approximately 20 projects will be completed including written lab reports (informal report).

ELECTRONICS

Advisory On Recommended Preparation: MATH 200 or MATH 215 or Math 205, or equivalent college course with "C" or better, or one year high school algebra with *C" or better; and ENGL 251 or equivalent college course with *C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures. ELEC 110 should be taken concurrently.

ELEC 102 **ALTERNATING CURRENT CIRCUITS** 4 Lecture/Discussion Hours:

- 4 Lab
- 7 Homework

Materials Fee: \$5.00

This class offers continued training for students entering the electronics field and includes lecture and laboratory instruction with AC circuits including mathematics, circuit analysis, use of test equipment and soldering. It is the second semester of study for obtaining F.C.C. general radio-telephone license or its equivalent.

Prerequisites: ELEC 101 or equivalent college course with "C" or better or equivalent skills and knowledge as determined by departmental assessment.

ELEC 103 Hours:	SEMICONDUCTOR CIRCUITS 4 Lecture/Discussion	5 UNITS
nours.	4 Lab	
	7 Homework	
This is a same	and to the definition of factors and a state of the OOO Floor	

This is a course in the third of four semesters in the COS Electronics program. It offers training for students entering the electronics field. Includes lecture and laboratory projects including: solid state devices, power supplies, audio circuits, and use of test equipment for testing and trouble-shooting.

Prerequisites: ELEC 102 or equivalent college course with "C" or better or equivalent skills and knowledge as determined by departmental assessment.

COMMUNICATION CIRCUITS **ELEC 104** Hours: 4 Lecture/Discussion 4 Lab

7 Homework

This is the fourth class in the COS Electronics program. It offers training for students seeking employment in electronic communications, including broadcasting and twoway communications. Includes lecture and laboratory instruction with emphasis on use of equipment and trouble-shooting. At completion students should be qualified to obtain an F.C.C. general radio telephone commercial license or equivalent. Students should also be able to qualify and pass the general class amateur radio license. Prereguisites: ELEC 103 or eqivalent college course with "C" or better.

INDUSTRIAL FABRICATION AND DESIGN ELEC 105 **3 UNITS** Hours: 2 Lecture/Discussion

2 Lab

5 Homework

Materials Fee: \$5.00

This course offers the student a working knowledge of the tools, techniques, materials, and procedures used in industry to create prototype and production products. The course will include schematic generation, project documentation, chassis layout and finishing, breadboarding, printed wiring board layout and construction system testing and design philosophy.

Prerequisites: ELEC 101 or 110 or equivalent college course with "C" or better, or equivalent skills and knowledge as determined by departmental assessment.

5 UNITS

5 UNITS

5 UNITS

Course Descriptions

3 UNITS

ELECTRONICS

ELEC 110	DIGITAL CIRCUITS	3 UNITS	ENGR 1	GRAPHICS	3 UNITS
Hours:	2 Lecture/Discussion		Hours:	3 Lecture/Discussion	
	2 Lab			3 Lab	
	5 Homework			3 Homework	
<u>Materials Fe</u>	e: <u>\$3.00</u>			geometry course with an introduction to CAD	as it applies to the solution
This course of	offers the student a working knowledge of the theo	ory and application	of engineerir		
of practical d	igital circuits. Digital circuits are introduced as coml	binations of simple		Recommended Preparation: MATH 70 o	
circuits such	as gates, flip-flops, arithmetic elements and	memories. Lab	with "C" or b	petter and concurrent enrollment in MATH 75	5.
	help students understand and troubleshoot stand				
configuration	s. This course is the beginning offering in a sequen	ce that begins with	ENGR 2	STATICS	3 UNITS
	s, and continues through Microprocessor Fundamenta		Hours:	3 Lecture/Discussion	
	and PC Troubleshooting/Repair.			9 Homework	
			The study of	rigid bodies in static equilibrium when acted i	upon by forces and couples
ELEC 111	MICRO-PROCESSOR/PLC FUNDAMENTALS	3 UNITS		mensional space. Included are equilibrium of r	
Hours:	2 Lecture/Discussion	0 01110		es, as well as the calculation of centers of m	
	2 Lab			inertia. Additonal topics which may be covere	
	5 Homework			d beams, mass moments of inertia and vir	
Materials Fo			CAN ENGR		
	offers the student a study of basic microprocesso	r theory. It is an		s: PHYS 5 and MATH 76 or equivalent colleg	a courses with "C" or better
	to microprocessor internal architecture and the so			: MATH 77.	e courses whit o of better.
		ntware techniques	Corequisite		
	ram proper operation of these devices.		ENGR 3	NATEDIALO	2 1101170
	s: ELEC 101 and 110 or equivalent college courses			MATERIALS	3 UNITS
or equivalen	t skills and knowledge as determined by departm	ental assessment.	Hours:	3 Lecture/Discussion	
				2 Lab	
ELEC 112	MICROPROCESSOR APPLICATIONS	4 UNITS		6 Homework	
Hours:	3 Lecture/Discussion			consists of a fundamental treatment of the prin	
	3 Lab			ng. Topics included are chemical bondin	
	6 Homework			action rates and mechanical and electrical	properties of solids.
<u>Materials</u> Fe			CAN ENGR		
This course o	ffers the student a study of advanced microcomputer a	and microprocessor	Prerequisite	s: PHYS 5, CHEM 1, ENGL 1 and MATH	H 75 or equivalent college
interfacing te	chniques. Lectures, demonstrations, and laborator	ry assignments will	courses with	"C" or better.	
	085A and 8088 microprocessor-based systems. S				
placed on "h	ands-on" laboratory experience with various inter	face technologies.	ENGR 4	ALTERNATING CURRENT CIRCUITS	4 UNITS
	es: ELEC 101 and 110 or equivalent college courses		Hours:	3 Lecture/Discussion	
	skills and knowledge as determined by departm			3 Lab	
				9 Homework	
ELEC 114	OPERATIONAL AMPLIFIER CIRCUITS	3 UNITS	The course of	consists of a fundamental treatment of the pri	nciples of electrical circuits.
Hours:	2 Lecture/Discussion	0 011110		DC steady-state and transient. CAN ENG	
nours.	2 Lab			es: PHYS 6, and MATH 77 or equivalent of	
	5 Homework		better.		onege courses what o of
This course	offers the student an advanced study of operationa	amplifiers These		PHYS 7 and MATH 81.	
			Corequisite		
	are used in a multitude of commercial and military pro		ENCD 7	SURVEYING	0.100070
	neory of operation, circuit configurations, practical us	ses, and laboratory	ENGR 7		3 UNITS
	g, troubleshooting, and testing.		Hours:	2 Lecture/Discussion	
	es: ELEC 102 and 103 or equivalent college courses	s with "C" or better,		3 Lab	
or permission	n of department.		Inis is a or	e-semester plane surveying course generally	y taken by civil engineering
				veying majors. It consists of an introduction to t	
				ent use in field measurements involved in	
F	MERGENCY MEDICAL TECHNI	CIAN		il engineering projects. As course requireme	
				rs and options the student should consult t	he catalog of the intended
EMTB 251	EMERGENCY MEDICAL TECHNICIAN B	4 UNITS		tution. CAN ENGR 10.	
	3 Lecture/Discussion			s: MATH 70 or equivalent college course v	with "C" or better.
Hours:			Corequisite	: MATH 75.	
	4 Lab				
This	6 Homework	f Hoolikh and Tuissa	i		
	neets the requirements of the California Department of				
	rtment of Emergency Services for certification as a				
	elopment of skills in recognition of symptoms of il				
	procedures for emergency care are emphasize		ĥ		
	d for anyone involved in public safety. To recei				
Tulare Count	ty, the student must have a valid CPR card and t	be 18 years old.	l		

ENGINEERING

ENGLISH

COLLEGE READING AND COMPOSITION ENGL 1 **3 UNITS** 3 Lecture/Discussion Hours:

6 Homework

APPROVED FOR DISTANCE LEARNING/TECHNOLOGY ASSISTED

ENGL 1 refines students' conventional oral and written expression through analysis, discussion and production of various expository styles. It emphasizes various techniques of organization, style, clarity, and research. The class also emphasizes close reading of expository writing. Students will be expected to write 6000 to 8000 words. CAN ENGL 2.

Puente Option: The Puente Program is designed to help students succeed in school, earn degrees at four-year colleges and universities and return to the community as leaders. The content of the course focuses on Mexican-American/ Latino authors and issues.

Limitation on Enrollment: Acceptance into the Puente Program

Prerequisites: ENGL 251 or equivalent college course with "C" or better, or eligibility determined by COS Placement Procedures.

ENGL 1H **READING AND COMPOSITION - HONORS 4 UNITS** 4 Lecture/Discussion Hours:

ENGL 1 Honors teaches students intelligent and correct oral and written expression through reading and analysis, discussion and production of various expository styles. It emphasizes various techniques of organization, stylistic variation, clarity, integrating research (especially primary research) into students' work, and close reading of various writers. Idiomatic and grammatical correctness is assumed. ENGL 1 H differs from standard ENGL 1 in that students must be accepted into the Honors Program and will enroll concurrently in a one unit colloquium which meets once per week and which culminates in an appropriate semester project.

Prerequisites: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures. Placement Testing requirement may be waived (see Matriculation Policies: Exemption Criteria for Assessment).

3 UNITS

Limitation On Enrollment: Acceptance into the Honors Program.

LOGIC AND COMPOSITION ENGL 2

Hours: 3 Lecture/Discussion

APPROVED FOR DISTANCE LEARNING/TECHNOLOGY ASSISTED This course gives students the opportunity to study and apply logic and cogent thinking to written and oral communication as well as develop advanced writing skills. Students learn to recognize logical fallacies, analyze others' arguments, and produce their own arguments and solutions to problems, using primary and secondary research. Students are required to write 6,000 to 8,000 words. Prerequisite: ENGL 1 or equivalent college course with "C" or better.

COLLEGE COMPOSITION AND LITERATURE ENGL 4 3 UNITS Hours: **3** Lecture/Discussion

6 Homework APPROVED FOR DISTANCE LEARNING/TECHNOLOGY ASSISTED

Introduction to literature, including the short story, the novel, poetry, and drama through close reading and analysis of literature and literary theory, discussion, research and writing. CAN ENGL 4.

Prerequisite: ENGL 1 or equivalent college course with "C" or better.

ENGL 10 CHICANO LITERATURE **3 UNITS** 3 Lecture/Discussion Hours:

An interpretive analysis of Chicano literature from its origins to its contemporary status. Poetry, short stories, essays, drama, and novels are used as a means of providing a panoramic view of literature and interpreting the Chicano experience in today's society. Emphasis will be placed upon the Contemporary Chicano Period or Renaissance of Chicano letters, an explosion in every literary genre. This course analyzes the interrelationships between literature, drama, popular music, art, and dance as reflections of Chicano artistic expression.

Prerequisite: ENGL 1 or equivalent college course with "C" or better.

ENGLISH

ENGL 14a-b CREATIVE WRITING Hours:

3 Lecture/Discussion

An introduction to writing short stories, poems and plays. This course emphasizes class discussion about student writing. Class members are expected to read professional writers from various books and magazines and should write with the correctness required in ENGL 1. ENGL 14 a-b may be taken twice for credit. ENGL 14a is a beginning course; 14b is a more advanced study of the same topics covered in 14a. After that it may be taken under the community service option. CAN ENGL 6 includes 14a or 14b.

Prerequisite: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures. Placement Testing requirement may be waived (see Matriculation Policies: Exemption Criteria for Assessment).

SURVEY OF BRITISH LITERATURE 1 ENGL 15 **3 UNITS** 3 Lecture/Discussion Hours:

A survey of English literary history as revealed through an intensive study of some major authors and their typical masterpieces from Beowulf through the period of the Restoration. CAN ENGL 8.

Prerequisite: ENGL 1 or equivalent college course with "C" or better.

SURVEY OF BRITISH LITERATURE 2 ENGL 16 **3 UNITS** Hours: 3 Lecture/Discussion

Complementary course to ENGL 15. A survey of English literary history as revealed through an intensive study of some major authors and their typical masterpieces from the Romantic Period to the present. Note: ENGL 15 is not a prerequisite for ENGL 16. CAN ENGL 10.

Prerequisite: ENGL 1 or equivalent college course with "C" or better.

NATIVE AMERICAN LITERATURE **3 UNITS** ENGL 17 3 Lecture/Discussion Hours:

This course explores the images of Native Americans in literature, myths, short stories, essays, autobiographies, novels, poems, and "as-told-to" stories. This exploration may examine common stereotypes of Native Americans in various environments and cultures. Students will be encouraged to connect the course material with their own life experiences.

Prerequisite: ENGL 1 or equivalent college course with "C" or better.

ENGL 18 BLACK AMERICAN LITERATURE **3 UNITS** 3 Lecture/Discussion Hours:

An interpretive survey of Black American Literature from its origins to its present status. Poetry, essays, drama, short stories, autobiographies, biographies, and novels are used to provide a full spectrum of the Black American experience from a literary perspective. Emphasis is placed upon the variety of means used by Black American writers to reflect the views of those out of the mainstream in American culture.

Prerequisite: ENGL 1 or equivalent college course with "C" or better.

ENGL 19 WOMEN IN LITERATURE Hours:

3 UNITS 3 Lecture/Discussion This course explores the images of women in literature, myths, short stories,

essays, novels, and poems. This exploration may examine common stereotypes of women in various life stages, environments, and cultures. Students will be encouraged to connect the course material with their own life experiences. Prerequisite: ENGL 1 or equivalent college course with "C" or better.

ENGL 25 **ASIAN-AMERICAN LITERATURE 3 UNITS** 3 Lecture/Discussion Hours: 6 Homework

This course explores the images and issues of Asian-Americans in fiction, myths, essays, autobiographies, and poetry. Students are encouraged to connect the course material to their own life experiences through close reading and analysis of tests, and discussion and writing about related cultural ideas.

Prereguisite: ENGL 1 or equivalent college course with "C" or better or equivalent skilled competencies as determined by departmental assessment.

3 UNITS

ENGLISH

 ENGL 30
 U.S. LITERATURE 1
 3 UNITS

 Hours:
 3 Lecture/Discussion
 3 Lecture/Discussion

 A broad, general, chronological survey of the literature of the United States and an analysis of major literary works. This segment of the course considers colonial literature, the literature of the early republic, the American Renaissance and the literature of the Civil War years. CAN ENGL 14.

Prereguisites: ENGL 1 or equivalent college course with "C" or better.

ENGL 31 U.S. LITERATURE 2 3 UNITS Hours: 3 Lecture/Discussion

This broad study of the literature of the United States includes an analysis of literary works through close reading, discussion, and writing. Works studied include representative pieces of literature that have been written from the Civil War to the present. Students will write around 6,000 words of analysis and response to these works. <u>Note: ENGL 30 is not a prerequisite for ENGL 31</u>. CAN ENGL 16 **Prerequisite:** ENGL 1 or equivalent college course with "C" or better.

ENGL 32 THE BIBLE AS LITERATURE 3 UNITS Hours: 3 Lecture/Discussion

A general survey of the history, biography, prophecy, narratives, poetry, and drama of the Old Testament and Apocrypha from a literary point of view, including some consideration of the historical background and influences.

Prerequisite: ENGL 1 or equivalent college course with "C" or better.

ENGL 44 WORLD LITERATURE 3 UNITS Hours: 3 Lecture/Discussion 3 UNITS

A study of early world masterpieces of the world's literature beginning with Greek and Roman works and concluding with the literature of the Renaissance. Through reading, discussion and writing, many works are studied to explore the richness of diverse cultural traditions.

Prerequisite: ENGL 1 or equivalent college course with "C" or better.

ENGL 45 WORLD LITERATURE 3 UNITS Hours: 3 Lecture/Discussion

A study of world literature from the enlightenment to the modern period. Through reading, discussion and writing, many works are studied to explore the richness of diverse cultural traditions. <u>Note: ENGL 44 is not a prerequisite for ENGL 45</u>. **Prerequisite:** ENGL 1 or equivalent college course with "C* or better.

ENGL 45H WORLD LITERATURE-HONORS 4 UNITS Hours: 4 Lecture/Discussion 4 UNITS

ENGL 45H asks students to explore the richness of diverse cultural traditions by reading, discussing, analyzing, and writing about literature from many sources both in and outside of the Western canon. The time periods during which these works were written range from the eighteenth century until present. ENGL 45H differs from standard ENGL 45 in that students must be accepted into the Honors Program and will enroll concurrently in a one unit colloquium which meets once per week and which culminates in an appropriate semester project.

Prerequisite: ENGL 1 or equivalent college course with "C" or better. Limitation On Enrollment: Acceptance into the Honors Program.

ENGL 46 SHAKESPEARE Hours: 3 Lecture/Discussion

An introduction to Shakespeare through reading, films, lectures and student reports. The course requires analysis through a close reading of the plays, oral readings of major portions of the plays, and optional scenes acted by interested students in the class. The scope of the class is broad not only to familiarize the student with the life, historical period, and works of Shakespeare as material for critical essays and discussions, but also to present the works of Shakespeare as living theater which should appeal to the ear and the emotions as well as to the intellect. **Prerequisite:** ENGL 1 or equivalent college course with "C" or better.

ENGLISH

ENGL 111	HYPERTEXT: THEORY AND PRACTICE	4 UNITS
Hours:	3 Lecture hours	
	1 Lah	

8 Homework

Hypertext: Theory and Practice introduces students to theoretical, practical, and aesthetic aspects of writing for electronic media such as the World Wide Web and multimedia presentations. Students will develop skills in the design and implementation of hypertext.

Prerequisite: ENGL 1 or equivalent college course with "C" or better.

ENGL 200a-d WRITING LAB

Hours: 1 and 1/2 -3 hrs Lab

2 UNITS

Note: Units will be awarded on the basis of numbers of hours/semester in lab. Twenty-four hours in lab earns one-half unit. Course graded CR/NC.

Taken concurrently with any college course requiring written composition. English Compositon Writing Lab provides instruction in use of computers and supervision and tutorial assistance to students working on writing assignments in any discipline. This course may be repeated three times.

Limitation On Enrollment: Concurrent enrollment in a college course with composition requirements.

ENGL 223a-d WRITING CENTER CONSULTING Hours: 1 Lecture

1 Lecture 2 Lab

3 Homework

Instruction and guided practice in effective peer consulting. Use of reader-based feedback and active learning strategies to assist students to become better writers. Areas for study include theory of composition, wriing centers, and writing across the curriculum. Designed to be taken concurrently with hands-on work as a writing consultant. This course may be repeated three times.

Advisory on Recommended Preparation: ENGL 251 or equivalent college course with a "C" or better or eligibility for ENGL 1 as determined by COS placement procedures.

ENGL 251 FUNDAMENTALS OF COLLEGE WRITING 3 UNITS Hours: 3 Lecture/Discussion 6 Homework

This course emphasizes close reading and writing as processes that result in compositions appropriate for the work world and for transfer level academic study. Advisory On Recommended Preparation: ENGL 360 or equivalent college course with "C" or better, or eligibility determined by COS Placement Procedures, or recommendation of department.

Limitation Request on Enrollment: One section per year will be limited to students accepted in the PUENTE Program.

PUENTE PROGRAM OPTION:

3 UNITS

The Puente Program is designed to help students succeed in school, earn degrees at four-year colleges and universities and return to the community as leaders. The content of the course focuses on Mexican-American/Latino authors and issues. This course is designed to give students a background in basic writing for their work in a vocation or for ENGL 1.

Advisory on Recommended Preparation: ENGL 360 or equivalent college course with "C" or better, or eligibility determined by COS Placement Procedures, or recommendation of department.

Limitaton on Enrollment: Students must be accepted into Puente Program.

ENGL 253 READING FOR ENRICHMENT 3 UNITS Hours: 3 Lecture/Discussion 3 UNITS

This course is designed for those who will complete their studies with the AA degree. There will be emphasis on analysis of content in terms of central themes and main ideas, facts and inferences, and recognition of major and minor details. Also included are exercises and techniques for improving reading speed and comprehension, and vocabulary development. Book reports and outside reading are required.

ENGLISH

	ENGEIGH AG A GEGOND EANGOAGE
ENGL 265a-b DEVELOPMENTAL READING 3 UNITS Hours: 3 Lecture/Discussion 1 Lab This course is designed to develop analytic reading skills. The relationship between reading, writing, and critical thinking is stressed. The course also includes study skills and vocabulary development. This course may be repeated one time. Advisory On Recommended Preparation: Recommendation through COS Placement Procedures, or recommendation of department. The Placement Test requirement may be waived. ENGL 360a-bWRITING, READING, STUDY SKILLS 6 UNITS Hours: 6 Lecture/Discussion 1 Lab 11 Homework This is the second course in a developmental, precollegiate sequence. The course is designed to build student self-concept; to teach observation, critical thinking, and study skills; and to review listening, reading, writing, and speaking skills. These communication strategies will be taught in an integrated approach and will prepare the student for college level courses and subsequent vocational and personal endeavors. This course may be repeated one time. Advisory On Recommended Preparation: ENGL 370 or equivalent college course with "C" or better, or eligibility determined by COS Placement Procedures, or recommendation of department, or skilled competencies as determined by departmental assessment. ENGL 364 READING IMPROVEMENT 4 UNITS Hours: 3 Leature/Discussion 2 Lab This course is designed to develop basic reading skills, using a variety of mater	ESL 301 ENGLISH AS A SECOND LANGUAGE, 3 UNITS BEGINNING LEVEL 1 - READING AND VOCABULARY Hours: 3 Lecture/Discussion 6 Homework This course is suitable for the true beginner with little or no knowledge of English reading and vocabulary skills. The course is designed to develop basic reading techniques, vocabulary and study skills so that the student can comprehend and respond to basic written and spoken English. Advisory On Recommended Preparation: Recommendation through COS Placement Procedures or skilled competencies as determined by departmental assessment. Concurrent registration in ESL 300 (or appropriate ESL Writing/ Grammar course) is strongly recommended. ESL 310 ENGLISH AS A SECOND LANGUAGE, 4 UNITS BEGINNING LEVEL 2 - WRITING AND GRAMMAR Hours: 3 Lecture/Discussion 3 Lab 6 Homework This course is suitable for the beginning student with a basic foundation in English grammar and writing. Students focus on writing accurate sentences and developing paragraph skills. The course is designed to reinforce and build upon grammar and writing skills to enable the students to function both orally and in writing in basic computer and word processing skills necessary for academic work. Advisory On Recommended Preparation: Recommendation through COS Placement Procedures or skilled competencies as determined by departmental assessment. Concurrent registration in ESL 311 (or appropriate ESL Reading/ Vocabulary course) is strongly recommended. ESL 311 ENGLISH AS A SECOND LANGUAGE, 3 UNITS BEGINNING LEVEL 2 - READING AND VOCABULARY Hours: 3 Lecture/Discussion 6 Homework This course is suitable for the beginning student with basic knowledge of English reading techniques, vocabulary and study skills on that the student can comprehend and respond to written and spoken English in basic academic and vocational situations. Advisory On Recommended Preparation: Recommendation through COS Placement Procedures or skilled competencies as determined by departmental assessment. Concurrent registration in ESL 310 (or appropriate ESL
will be taught as a thinking process that requires active, involved participation.	assessment. Concurrent registration in ESL 310 (or appropriate ESL Writing/
ENGLISH AS A SECOND LANGUAGE	Hours: 2 Lecture/Discussion 4 Homework This course is suitable for the true beginner with little or no knowledge of English
ESL 300 ENGLISH AS A SECOND LANGUAGE, 4 UNITS	pronunciation and speaking skills. The course is designed to develop basic speaking skills so that the student can comprehend and respond to basic spoken
BEGINNING LEVEL 1 - WRITING AND GRAMMAR Hours: 3 Lecture/Discussion 3 Lab 6 Homework	English. This course may be repeated once. Advisory On Recommended Preparation: Recommendation through COS Placement Procedures or skilled competencies as determined by departmental
This course is suitable for the true beginner with little or no knowledge of English grammar and writing conventions. Students focus on writing on the sentence level. The course is designed to provide an introduction to English grammar and writing skills to enable students to function minimally both orally and in writing in basic English academic and vocational situations. Students are introduced to basic computer and word processing skills.	assessment. Concurrent registration in ESL writing and reading classes is strongly recommended.

Advisory On Recommended Preparation: Recommendation through COS Placement Procedures or skilled competencies as determined by departmental assessment. Concurrent registration in ESL 301 (or appropriate ESL Reading/ Vocabulary course) is strongly recommended.

FNGLISH AS A SECOND LANGUAGE

225

ENGLISH AS A SECOND LANGUAGE

ESL 320	ENGLISH AS A SECOND	4 UNITS	ESL 332a-b	ENGLISH AS A SECOND
	LANGUAGE, INTERMEDIATE LEVEL 1			LANGUAGE, INTERMEDIATE
	WRITING AND GRAMMAR			PRONUNCIATION/SPEAKING
Hours:	3 Lecture/Discussion		Hours:	2 Lecture/Discussion
	3 Lab			4 Homework
T 1.1	6 Homework	and foundation in		s suitable for the intermediate leve
	s suitable for the lower intermediate student with so			unciation and speaking skills. Th
	mar and writing. Students focus on writing coheren			s so that the student can compreh
	essays using the process approach. The course build upon grammar and writing skills to enable the s			and vocational situations. This co
	d in writing in intermediate English academic and voc		•	n Recommended Preparation:
	introduced to basic computer and word processing			C" or better, or eligibility determin
for academic		skills necessary		npetencies as determined by dep
	Recommended Preparation: ESL 310 or equivale	ent college course	registration in	n ESL writing and reading classe
	etter, or eligibility determined by COS Placement Pro		ESL 340	ENGLISH AS A SECOND
	as determined by departmental assessment. Conc		ESL 340	LANGUAGE, ADVANCED LEV
	appropriate ESL Reading/vocabulary course) is strong			WRITING AND GRAMMAR
11202021(0		jij locoli includu.	Hours:	3 Lecture/Discussion
ESL 321	ENGLISH AS A SECOND	3 UNITS	nours.	3 Lab
	LANGUAGE, INTERMEDIATE LEVEL 1			6 Homework
	READING/VOCABULARY		This course i	s suitable for the advanced studen
Hours:	3 Lecture/Discussion			d writing. Using the process an
	6 Homework			a variety of prompts. The course is
	s suitable for the lower intermediate student with so			writing skills to enable the stude
	ng and vocabulary skills. This course is designed to			d vocational situations. Students a
	ocabulary and study skills so that the student can		word proces	sing skills necessary for acaden
	ritten and spoken English in intermediate academ	ic and vocational	Advisory Or	Recommended Preparation: ES
situations.				etter, or eligibility determined by CO
	Recommended Preparation: ESL 311 or equivale			s as determined by departmental a
	etter, or eligibility determined by COS Placement Pro	,		(or appropriate ESL Reading/Voca
	as determined by departmental assessment. Conc		classes is s	trongly recommended.
IN ESL 320 (0	r appropriate ESL Writing/Grammar course) is strong	by recommended.		
ESL 330	ENGLISH AS A SECOND	4 UNITS	ESL 341	ENGLISH AS A SECOND
E3E 330	LANGUAGE, INTERMEDIATE LEVEL 2	4 04115		LANGUAGE, ADVANCED LE
	WRITING AND GRAMMAR		11.0.000.0	WRITING AND GRAMMAR
Hours:	3 Lecture/Discussion		Hours:	3 Lecture/Discussion 6 Homework
nours.	3 Lab		This course i	s suitable for the advanced studen
	6 Homework			vocabulary skills. The course
This course is	s suitable for the upper intermediate student with a g	ood foundation in		vocabulary and study skills so that
	mar and writing. The process method of writing is			written and spoken English in a
essay writing	. The course is designed to reinforce and build up	oon grammar and	situations.	and openen English in u
writing skills to	enable the students to function both orally and in writ	ing in intermediate		n Recommended Preparation: ES
to low adva	nced English academic and vocational situation	ns. Students are		etter, or eligibility determined by C
	basic computer and word processing skills necess			s as determined by departmental
work.				or appropriate ESL Writing/Gamma

Advisory On Recommended Preparation: ESL 320 or equivalent college course with "C" or better, or eligibility determined by COS Placement Procedures, or skilled competencies as determined by departmental assessment. Concurrent registration in ESL 331 (or appropriate ESL Reading/Vocabulary course) is strongly recommended.

ESL 331	ENGLISH AS A SECOND	3 UNITS
	LANGUAGE, INTERMEDIATE LEVEL 2	
	READING/VOCABULARY	
Hours:	3 Lecture/Discussion	
	6 Homework	

This course is suitable for the upper intermediate student with a strong foundation in English reading and vocabulary skills. This course is designed to expand reading techniques, vocabulary and study skills so that the student can comprehend and respond to written and spoken English in intermediate to advanced academic and vocational situations.

Advisory On Recommended Preparation: ESL 321 or equivalent college course with "C" or better, or eligibility determined by COS Placement Procedures, or skilled competencies as determined by departmental assessment. Concurrent registration in ESL 330 (or appropriate ESL Writing/Grammar course) is strongly recommended.

ENGLISH AS A SECOND LANGUAGE

ESL 332a-b	ENGLISH AS A SECOND	2 UNITS
	LANGUAGE, INTERMEDIATE LEVEL	
	PRONUNCIATION/SPEAKING	
Hours:	2 Lecture/Discussion	
	4 Homework	
This service is	, auitable for the intermediate loval student with a basis	foundation in

vel student with a basic foundation in The course is designed to improve ehend and respond to spoken English course may be repeated once. ESL 312a-b or equivalent college ined by COS Placement Procedures, epartmental assessment. Concurrent ses is strongly recommended.

ESL 340	ENGLISH AS A SECOND	2 UNITS
	LANGUAGE, ADVANCED LEVEL 1	
	WRITING AND GRAMMAR	
Hours:	3 Lecture/Discussion	
	3 Lab	
	6 Homework	

ent with a strong foundation in English approach, students write essays in is designed to review and build upon dent to function in advanced English are introduced to basic computer and emic work.

ESL 330 or equivalent college course COS Placement Procedures, or skilled assessment. Concurrent registration ocabulary course) writing and reading

ESL 341	ENGLISH AS A SECOND	3 UNITS
	LANGUAGE, ADVANCED LEVEL 1	
	WRITING AND GRAMMAR	
Hours:	3 Lecture/Discussion	
	6 Homework	

int with a strong foundation in English e is designed to expand reading hat the student can comprehend and advanced academic and vocational

ESL 331 or equivalent college course COS Placement Procedures, or skilled al assessment. Concurrent registration SL 340 (or appropriate ESL Writing/Gammar course) is strongly recommended.

ESL 350	ENGLISH AS A SECOND Language. Advanced level 2	4 UNITS
	WRITING AND GRAMMAR	
Hours:	3 Lecture/Discussion	
	3 Lab	

6 Homework

This course is suitable for the advanced student with demonstrated knowledge and experience in English grammar and writing. The course is designed to review and refine grammar for application in writing projects to enable the student to successfully transition into main-stream coursework. Students are introduced to basic computer and word processing skills necessary for academic work.

Advisory On Recommended Preparation: ESL 340 or equivalent college course with "C" or better, or eligibility determined by COS Placement Procedures, or skilled competencies as determined by departmental assessment. Concurrent registration in ESL 351 (or appropriate ESL Reading/vocabulary course) is strongly recommended.

ENGLISH AS A SECOND LANGUAGE

ESL 351	ENGLISH AS A SECOND	3 UNITS
	LANGUAGE, ADVANCED LEVEL 2	
	READING/VOCABULARY	
Hours:	3 Lecture/Discussion	
	6 Homework	

This course is suitable for the advanced student with demonstrated ability to comprehend written English at an advanced level. The course is intended to expand reading techniques, vocabulary and study skills so that the student can successfully transition into mainstream course work.

Advisory On Recommended Preparation: ESL 341 or equivalent college course with "C" or better, or eligibility determined by COS Placement Procedures, or skilled competencies as determined by departmental assessment. Concurrent registration in ESL 350 (or appropriate ESL Writing/Grammar course) is strongly recommended.

ESL 352a-b	ENGLISH AS A SECOND	2 UNITS
	LANGUAGE, ADVANCED LEVEL	
	PRONUNCIATION/SPEAKING	
Hours:	2 Lecture/Discussion	
	4 Homework	

This course is suitable for the advanced level student with a strong foundation in English pronunciation and speaking skills. The course is designed to improve speaking skills so that the student can comprehend and respond to spoken English in advanced academic and vocational situations. This course may be repeated once.

Advisory On Recommended Preparation: ESL 332a-b or equivalent college course with "C" or better, or eligibility determined by COS Placement Procedures. or skilled competencies as determined by departmental assessment. Concurrent registration in ESL writing and reading classes is strongly recommended.

ENVIRONMENTAL CONTROL TECHNOLOGY

ECT 180	ELECTRICITY AND CONTROL	4 UNITS
	FOR HVAC	
Hours:	4 Lecture/Discussion	
	2 Lab	
	6 Homework	
ECT 180 is	a basic course in electrical theory and application	ons of controls for the

al theory and applications of controls for the Heating, Ventilating, Air Conditioning/Refrigeration controls class. The theories and concepts of OHMS and Kerchoffs laws are studied extensively in this course in addition to the theories and concepts of refrigeration.

ECT 181	BASIC AIR CONDITIONING	10 UNITS
Hours:	10 Lecture/Discussion	
	4 Lab	
	16 Homework	

Materials Fee: \$20.00

An introductory lecture and demonstration course in residential air conditioning. refrigeration and heating that covers applied electrical and refrigeration theory, including how to evacuate and charge systems, diagnose refrigeration problems and how to properly install an entire duct system in the project house. In addition, proper brazing techniques, tools and safety practices are taught as applied to various other trades.

ECT 182	ADVANCED AIR	CONDITIONING AND	12 UNITS

REFRIGERATION--COMMERCIAL AND DOMESTIC

- 10 Lecture/Discussion
 - 10 Lab
 - 16 Homework

Materials Fee: \$10.00

Hours:

An advanced course offered in environmental control technology that covers commercial and domestic air conditioning and refrigeration theory. Topics include the fundamentals of wiring circuits and the concept of electrical problem solving as it relates to both commercial and residential applications. Topics also include using methods to calculate heat load values necessary to sizing equipment in the industry, Advisory On Recommended Preparation: ECT 181 or equivalent college course with "C" or better.

ENVIRONMENTAL CONTROL TECHNOLOGY

ECT 200 INTRODUCTION TO INDUSTRIAL **3 UNITS** AMMONIA REFRIGERATION

Hours: 3 Lecture/Discussion

Introduction to Industrial Ammonia Refrigeration is a practical course for the Industrial Maintenance mechanic. The basic fundamentals of pressure, temperature and heat transfer will be covered as well as the specific uses, methods, components, systems and safety concerns associated with industrial refrigeration systems utilizing ammonia as the refrigerant. The student will have a good understanding of industrial refrigeration fundamentals and should, upon completion of this course, be able to achieve plant operator "B" certification (entry level) through RETA as well as laying a firm foundation for the operator "A" (Engineer level) certification.

Advisory On Recommended Preparation: ECT 260 or 181 or equivalent college course with "C" or better, or employment (past or current) by an industrial ammonia facility.

ECT 201	ADVANCED AMMONIA	3 UNITS
	REFRIGERATION	
11.0.000.0	2. La stude (Discussion	

Hours: 3 Lecture/Discussion

This class is the natural extension of the Introduction to Ammonia Refrigeration (ECT 200). Specific topics of safety, maintenance, installation, trouble shooting, extensive examination of piping design and systems, code compliance, and operation related to the industrial refrigeration systems utilizing ammonia as the refrigerant. The student will further his understanding of industrial refrigeration and should, upon completion of this course series, depending upon years of experience, be able to achieve the operator "A" certification (Engineer level) through RETA.

Advisory On Recommended Preparation: ECT 200 or equivalent college course with "C" or better, or employment (past or current) by an industrial ammonia facility.

ECT 260	BASIC REFRIGERATION	2 UNITS
Hours:	2 Lecture/Discussion	
	1 Lab	
	3 Homework	
An introduc	tony course in residential air conditioning	and refrigeration that cove

An introductory course in residential air conditioning and refrigeration that covers applied electrical and refrigeration theory. The students will learn how to use electrical meters to trouble-shoot and diagnose electrical problems. In addition, proper brazing techniques, tools and safety practices are taught as applied to various other trades.

ECT 261	INTRODUCTION TO AIR CONDITIONING	2 UNITS
	& REFRIGERATION - COMMERCIAL & DOMEST	IC
Hours:	2 Lecture/Discussion	
	1 Lab	

3 Homework

This is an introductory course offered in air conditioning and refrigeration that covers commercial and domestic air conditioning and refrigeration theory. The students will study the practical wiring circuits and diagnose electrical problems found in both commercial and domestic applications. The student will also become familiar with various types of electrical motors, and their individual characteristics. This course provides essential knowledge for a student seeking further advancement in his/her career.

Advisory On Recommended Preparation: ECT 260 or equivalent college course with "C" or better, or equivalent skills and knowledge as determined by departmental assessment.

ECT 262	HEATING SYSTEMS AND CONTROLS	2 UNITS
Hours:	2 Lecture/Discussion	-
	1 Lab	
	3 Homework	

An advanced course offered in residential and light-commercial heating that covers theory, design, controls, and operation of modern day space heating systems. The students will study the practical wiring of circuits, and the diagnosing of problems found in both residential and light-commercial applications. In addition, the students will gain an understanding of both L.P. and natural gas fundamentals and applications, controls and safeties, with particular emphasis given to safe work habits and practices. This course provides essential knowledge for a student seeking further advancement in his/her career.

Course Descriptions	
ENVIRONMENTAL CONTROL TECHNOLOGY	FASHION
ECT 263 COMMERCIAL REFRIGERATION SYSTEMS 2 UNITS AND CONTROLS 2 Lecture/Discussion 1 Hours: 2 Lecture/Discussion 2 3 Homework 3 Homework 2 An advanced course that Introduces commercial refrigeration. The course covers theory, design, controls, and operation of modern day commercial refrigeration systems. The students will study the practical wiring of circuits, various defrosting methods, piping, design, sizing, and controls commonly used in the industry. This course provides essential knowledge for a student seeking further advancement in	FASH 12a-b COSTUMING 3 UNITS Hours: 2 Lecture/Discussion 4 Lab 2 Activity 2 Activity CROSS REF: DRAM 12a-b A study of the principles and practice of costume construction from pattern to completed garments. Construction techniques, fabrics, basic patterns, wardrobe plotting, and historical styles. Additional hours required to work on crews for college Drama and Dance productions. This course may be repeated once.
his/her career. Advisory On Recommended Preparation: ECT 260 or equivalent college course with "C" or better, or equivalent training/experience.	FASH 17a-b MAKEUP 3 UNITS Hours: 2 Lecture/ Discussion 4 Lab Cross Ref: DRAM 17a-b This course is designed to introduce the student to the basic techniques and materials
ETHNIC STUDIES	of makeup. Additional hours required to work on crews for college productions. This course may be repeated one time. CAN DRAM 14 includes FASH 17a only
ETHN 1 BLACK AMERICAN STUDIES 3 UNITS Hours: 3 Lecture/Discussion 6 6 Homework 6 Homework This course uses an interdisciplinary approach to Black Studies covering periods of social, cultural and historical development. Topics include African civilization, slavery, the Diaspora, abolition, reconstruction, segregation, Harlem Renaissance, and the Civil Rights Movement. Field trips are a part of this course. Advisory On Recommended Preparation: ENGL 360 or equivalent college course with "C" or better, or eligibility for ENGL 251 determined by COS Placement Procedures	FASH 160a-b CLOTHING CONSTRUCTION 3 UNITS Hours: 2 Lecture/Discussion 3 Lab 4 Homework 4 Homework A study of the principles of clothing construction from pattern to completed garment. Emphasis on fabric performance, garment fit and various construction techniques for woven and knit fabrics. Designed for both beginners and experienced sewers. Open to all interested students. One field trip to a local fabric store is required for the course. This course may be repeated one time. CAN FSC 10 includes 160a only.
ETHN 2 AMERICAN INDIAN STUDIES 3 UNITS Hours: 3 Lecture/Discussion 6 6 Homework 6 Homework This course uses an interdisciplinary approach and focuses on the historical, social, religious, ecological, economic, and artistic characteristics of various Indian Nations, as well as, U.S. government policy toward Indians. Special attention will be given to San Joaquin Valley Indians. Field trips are part of this course. Advisory On Recommended Preparation: ENGL 360 or equivalent college course with "C" or better, or eligibility for ENGL 251 determined by COS Placement Procedures.	FASH 161a-b TAILORING 3 UNITS Hours: 2 Lecture/Discussion 3 Lab 4 4 Homework A study of traditional and contemporary tailoring techniques, including construction of a man's or woman's coat or suit jacket. Emphasis on garment fit, quality construction and pattern selection. Clothing construction experience is required. A field trip to a local fabric store is required for the course. This course may be repeated once. Advisory on Recommended Preparation: Previous clothing construction
ETHN 3 MEXICAN-AMERICAN STUDIES 3 UNITS Hours: 3 Lecture/Discussion 6 6 Homework 6 Homework This course studies the Mexican-American community and culture in American society. Using an interdisciplinary approach (anthropology, history, sociology, literature, art and music), the course will examine Mexican-American contributions and conflicts in American society. Also studied are the pre-Columbian roots of Chicano-Mexican heritage. Advisory On Recommended Preparation: ENGL 360 or equivalent college course with "C" or better, or eligibility for ENGL 251 determined by COS Placement Procedures.	experience. FASH 162 CREATIVE PATTERN DESIGN 3 UNITS Hours: 2 Lecture/ Discussion 3 Lab 4 Homework A basic course in apparel design through the use of flat pattern techniques. Includes the design, drafting, and construction of garments. Open to all students interested in clothing design, i.e., fashion majors, those who are interested in sewing for themselves, or who have fitting problems. Advisory On Recommended Preparation: FASH 160a-b, FASH 161a-b, or equivalent college course with "C" or better, or equivalent skills and knowledge as determined by departmental assessment.
ETHN 104 ASIAN AMERICAN STUDIES 3 UNITS Hours: 3 Lecture/Discussion 6 6 Homework 6 5 This course studies the Asian immigrant experience in the United States (Southeast Asian, Chinese, Japanese, Korean and Filipino). Using an interdisciplinary approach (social, historical, religious, geographics, economic, linguistic and artistic), special attention will be given to major immigrant populations in the San Joaquin Valley (Laotian, Hmong, Mien and Lahu). Advisory On Recommended Preparation: ENGL 360 or equivalent college course with "C" or better, or eligibility for ENGL 251 determined by COS Placement Procedures.	FASH 164 THE WORLD OF FASHION 2 UNITS Hours: 2 Lecture/Discussion 4 A noverview of the ever-changing world of fashion and the multifaceted fashion industry. Topics include the evolution of 20th centruy fashion, fashion designers and trendsetters. Design development, fashion forecasting, consumer demand, the global marketplace, and careers in fashion. FASH 167 APPLIED COLOR THEORY 2 UNITS Hours: 2 Lecture/Discussion 1 Lab

A study of color and its relationships to individuals and their environments including interior design, advertising, fashion merchandising, floral design, etc. Contemporary color theories, color perceptions, color matching, and the development of a color nomenclature are included. Projects assist the student in developing a sensitive and discriminating eye for making color choices. Attention is given to the selection of an individualized color palette.

FASHION

FASH 168	ADVANCED COLOR THEORY	2 UNITS
Hours:	2 Lecture/Discussion	
	1 Lab	
	4 Homework	
Advanced C	alar Thaani faaliyaa an halalan iha aliydaal ayay	and their celes treewledge

Advanced Color Theory focuses on helping the student expand their color knowledge and problem solving abilities while investigating projects relating to color interests and career opportunities in color related fields or businesses.

Prerequisites: FASH 167 or equivalent college course with "C" or better.

FASH 170	MODELING	3 UNITS
Hours:	3 Lecture/Discussion	
Croce Dof:	DDAM 170	

Cross Ref: DRAM 170

An introduction to the modeling industry and the roles of models and agencies. Instruction will include experience in basic fashion and photographic techniques; portfolio preparation; stage and photographic makeup; runway techniques; posture, gesture and movement and participation in a fashion production. Students will also analyze and evaluate personal diet, nutrition and exercise, skin care and makeup.

FASH 174a-b	FASHION ILLUSTRATION	3 UNITS
Hours:	2 Lecture/Discussion	
	3 Lab	

Cross Ref: ART 174a-b

Fundamentals of fashion illustration, including a study of current fashion ideals; drawing fashion proportioned figures and faces, rendering garment details, fabrics and accessories; familiarizing student with fashion publications; preparing illustration including layout, stylizing drawings, and matting drawings for presentation. This course may be repeated three times.

FASH 175M1	FASHION IMAGE -DESIGN ELEMENTS	1.5 UNITS
Hours:	1.5 Lecture/Discussion	
	3 Homework	

SHORT TERM CLASS - MODULAR TRAINING

Fashion Image M1 focuses on helping men and women apply their fashion knowledge and practice their problem solving abilities while completing assignments related to demonstrating their working understanding of art principles and elements used when selecting wardrobe pieces for multiple images of appropriate dress.

FASH 175M2	FASHION IMAGE AND WARDROBING	1.5 UNITS
Hours:	1.5 Lecture/Discussion	
	4 Homework	

SHORT TERM CLASS - MODULAR TRAINING

Fashion Image M2 focuses on understanding the role of visual image and personal presentation for both men and women. Students apply learned principles of body proportion and color to develop basic wardrobe plans, shopping strategies, and clothing maintenance skills.

FASH 176	INTRODUCTION TO TEXTILES	2 UNITS
Hours:	2 Lecture/Discussion	
	4 Homework	

An introductory course in basic textiles, designed for fashion design, retailing and interior design students. It will cover fibers, fabric manufacturing, finishes, care, storage and apropriate application and selection. Required for Fashion certificates.

FASH 177 INTRODUCTION TO FASHION MERCHANDISING 3 UNITS Hours: 3 Lecture/Discussion

This is an introduction to the production, distribution and consumption of fashion products. This study covers fashion terminology, fashion designers, fashion trends, manufacturers, retail outlets, marketing and career opportunities. The inter-relationship of economics and social factors to the fashion industry are covered. It is required for the Fashion Merchandising vocational certificate, the AA degree in Consumer/Family Studies with a Fashion Merchandising or Fashion Design major.

FASH 178 VISUAL MERCHANDISING AND PROMOTION 3 UNITS Hours: 2 Lecture/ Discussion 3 Lab

FASHION

Materials Fee: \$10.00

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A study of the basic techniques needed for visual presentation of merchandise. Store windows and interior displays, as well as their coordination with sales promotion, will be studied. Fashion advertising and publicity will be analyzed. Required for the Fashion Merchandising vocational certificate, the AA Degree with a Fashion Merchandising major and the Interior Design major in Consumer/Family Studies.

FASH 179 ORIGINS OF FASHION Hours: 3 Lecture/Discussion

3 UNITS

1 UNIT

1 UNIT

This course is a study of the history of apparel and accessories. It includes the analysis of historical fashion cycles, cultural factors in dress and the relationship of social class, economics, government and religion to clothing and dress. This is a required course for Fashion Merchandising, Fashion Design, and Color/image Consulting vocational certificates, and the AA degree in Consumer/Family Studies with a Fashion Merchandising maior.

ASH 260	CAREER DRESSING	1 UNIT
lours:	1 Lecture/Discussion	
Cross Ref:	BUS 260	

Designed for students who want to update, enhance, and improve their career appearance. Specific methods for the selection of clothing and accessories suitable for the working environment are presented. Excellent preparation for all students desiring to make the right impression for interviews and career changes. Career Dressing is a required course for the Fashion Design vocational certificates, and the AA degree in Consumer/Family Studies with a Fashion Merchandising major.

FASH 261a-d PRINCIPLES OF CLOTHING CONSTRUCTION 1 UNIT Hours: 3 Lab

1 Homework

Basic clothing construction principles for individuals pursuing careers in the fashion industry, applying for a certificate or AA/AS degree in fashion, and/or wishing to construct clothing. Professional custom and speed techniques for developing skills in clothing construction are covered as well as fit with an emphasis on developing manipulative skills. Course may be repeated three times.

ASH 265	RETAIL CAREER PREPARATION		
lours:	SHORT TERM CLASS: TOTAL HOURS 52.5		
	17.5 Lecture		
	35 Homework		

Cross Ref: BUS 265

This course will help students prepare for employment in retail and sales. Instruction will emphasize job search techniques, resume, application and correspondence related to job search, interview and portfolio preparation and interview skills will also be enhanced towards the end of the certificate program.

Advisory On Recommended Preparation: It is advised for students to take this course the same semester they take WEXP 193.

FASH 266a-b ADVANCED SEWING TECHNIQUES Hours: 3 Lab

1 Homework

This is a skills oriented class in advanced clothing construction techniques, that includes garment fitting, tailoring, and sewing specialty fabrics. It is designed for students pursuing careers in the fashion industry, or for those who wish to construct clothing for themselves and others. This course may be repeated one time. **Advisory on Recommended Preparation**: Completion of one semester of clothing construction, i.e., FASH 261a-b, FASH 361a-d or previous sewing experience.

FASH 360a-d PRINCIPLES OF CLOTHING CONSTRUCTION 1 UNIT Hours: 3 Lab

A skills-oriented class in clothing construction from pattern to completed garment. Emphases are garment fit, the use of construction techniques for woven and knit fabrics, efficient sewing techniques. Designed for both beginning and experienced sewers. This course may be repeated three times.

FASHION

COLOR SELECTION FASH 361 1 UNIT S.F.M. FIRE PREVENTION 1B 2 UNITS **FIRE 162** Hours: SHORT TERM CLASS Hours: SHORT TERM CLASS (Total Hours 40) A total of 18 Lecture/Discussion hours 40 Lecture/Discussion hours The class features the development of a personal color palette through a systematic, One of the five fundamental CORE courses for students pursuing a degree in fire organized process for the selection of individualized colors. The class includes a technology. Provides information regarding fire prevention, organization and operation brief examination and comparison of contemporary color theories. of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationship of fire prevention with fire safety education and detection and suppression systems. **FIRE TECHNOLOGY** Prerequisite: FIRE 161 or equivalent college course with "C" or better. FIRE PROTECTION EQUIPMENT AND SYSTEMS 3 UNITS **FIRE 163** FIRE125 FUNDAMENTALS OF FIRE APPARATUS **3 UNITS** 3 Lecture/Discussion Hours: AND EQUIPMENT One of the five fundamental CORE courses for students pursuing a degree in Fire **3 Lecture/Discussion** Hours: Technology. Provides information relating to the features of design and operation of Students will identify and describe applicable standards, laws and regulations as they fire detection and alarm systems, heat and smoke control systems, special protection relate to fire service apparatus. and sprinkler systems, water supply for fire protection, and portable fire extinguishers. Prerequisite: FIRE 159 or equivalent college course with a "C" or better. **FIRE 154** FUNDAMENTALS OF FIRE SERVICE OPERATIONS 3 UNITS Hours: 3 Lecture/Discussion **FIRE PREVENTION 1C FIRE 164** 2 UNITS Provides the student with the fundamentals of fire department organization, management, Hours: SHORT TERM CLASS (Total Hours 40) and resources, and emphasizes the use of those resources to control various 40 Lecture/Discussion hours emergencies. This is the third class in a series of classes designed for the career oriented student **FIRE 155** FIRE BEHAVIOR AND COMBUSTION or a currently employed fire fighter to develop knowledge and skills in the area of fire **3 UNITS** prevention. This course has more theory and more difficult research exercises than 3 Lecture/Discussion Hours: does Fire Prevention 1A or 1B. Theory and fundamentals of how and why fires start, spread, and are controlled; an Prerequisite: FIRE 161 and FIRE 162 or equivalent college course(s) with a "C" in-depth study of fire chemistry and physics, fire characteristics of materials, or better. extinguishing agents, and fire control techniques. Prerequisite: FIRE 159 or equivalent college course with a grade of "C" or better. **FIRE 170 BASIC FIREFIGHTER | ACADEMY** 9 UNITS 8 Lecture FIRE 156 FIRE SERVICE HYDRAULICS **3 UNITS** Hours: 3 Lecture/Discussion 8 Lab Hours: 16 Homework This is a fire suppression class which studies the theory of water at rest; in motion, Manipulative and technical training in basic concepts in fire service organization and under pressure and engineering principles of formulas and mental calculations dealing theories of fire control, including laws and regulations affecting the fire service with hydraulic problems as related to the fire service industry. personnel, and functions; fire organizations; principles of fire service personnel, and Prereguisites: FIRE 154 and 159 or equivalent college courses with "C" or better. functions; fire organizations; principles of fire behavior; and the basic consideration FIRE PREVENTION TECHNOLOGY in fire strategy and tactics. In order to comply with State Fire Marshal guidelines, this **FIRE 157 3 UNITS** class must meet for 18 weeks to complete required number of hours for Firefighter Hours: **3 Lecture/Discussion** 1 Certificate. Provides information regarding the philosophy of fire prevention, organization and operation of a fire prevention bureau, application of fire codes, identification and Limitation on Enrollment: Current affiliation with a fire service agency and proof of completion of a breathing apparatus "fit test", or ability to provide protective clothing correction of fire hazards, and the relationship of fire prevention with fire safety ("turn-out" gear) and medical clearance by a licensed physician or Physicial's education and detection and suppression systems. Assistant to wear a self-contained breathing apparatus (SCBA). Prerequisite: FIRE 159 or equivalent college course with a "C" or better. S.F.M. FIRE INSTRUCTOR 1A **FIRE 171** 2 UNITS **FIRE 159** FIRE PROTECTION ORGANIZATION **3 UNITS** Hours: SHORT TERM CLASS (Total Hours 40) Hours: 3 Lecture/Discussion 40 Lecture/Discussion hours Provides an introduction to fire protection; career opportunities in fire protection and This 40-hour course is recommended for Fire Service personnel having training related fields; philosophy and history of fire protection; fire loss analysis; organization responsibilities within their fire department. This course deals with such topics as: and function of public and private fire protection services; fire departments as part of terms pertaining to instruction; supplementary instruction sheets; concepts of learning; local government; laws and regulations affecting the fire service; fire service course development; lesson development; planning, organizing and managing nomenclature; specific fire protection functions; basic fire chemistry and physics; instructional activities; teaching methods and teaching aids as they relate to teaching introduction to fire protection systems; introduction to fire strategy and tactics. This both manipulative skills and technical information in the fire service. is one of the first courses a student should take in the sequence of Fire Technology classes.

FIRE 161	S.F.M. FIRE PREVENTION 1A	2 UNITS
Hours:	SHORT TERM CLASS (Total Hours 40)	
	An Lecture/Discussion	

One of the five fundamental courses for students pursuing a degree in fire technology. Provides fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationship of fire prevention with fire safety education and detection and suppression systems.

FIRE TECHNOLOGY

FIRE 172	S.F.M. FIRE INSTRUCTOR 1B	2 UNITS
Hours:	SHORT TERM CLASS (Total Hours 40)	
	40 Lecture/Discussion hours	

This course is recommended for Fire Service personnel having training responsibilities within their fire department. Techniques of Fire Service Instruction IB deals with such topics as: terms pertaining to instruction; supplementary instruction sheets; concepts of learning; course development; lesson development; planning, organizing and managing instructional activities; teaching methods and teaching aids as they relate to teaching both manipulative skills and technical information in the fire service. **Prerequisite:** FIRE 171 or equivalent college course with "C" or better.

FIRE TECHNOLOGY

FIRE 173	S.F.M. FIRE COMMAND 1A	2 UNITS
Hours:	SHORT TERM CLASS (A total of 40 hours)	
	40 Lecture/Discussion hours	

This course provides the Company Officer with information and experience in command and control techniques at the scene of an emergency. It is part of the performance requirements for a Fire Service Officer and is taught in compliance with regulations and requirements of the California State Fire Marshal's Office. This course also provides the Company Officer with information and experience in command and control techniques at the scene of an emergency. The course emphasizes the act of commanding, the authority to command the personnel, and act under a commander. Limitation On Enrollment: Must be presently appointed to a fire service or related agency and is eligible for SFM fire officer or fire prevention officer upon completion of all required curriculum per the California Fire Service Training and Education System Policy Text.

FIRE 174	S.F.M. FIRE COMMAND 1B	2 UNITS
Hours:	SHORT TERM CLASS (Total Hours 40)	
	40 Lecture/Discussion hours	

This course provides the Fire Company Officer with information and experience in command and control techniques at the scene of a Hazardous Materials emergency. The course emphasizes the ability to issue commands and how to respond to a command given by a higher authority during an emergency. It is part of the performance requirements for a Fire Service Officer.

Prerequisites: FIRE 173 or equivalent college course with "C" or better.

FIRE 182	BUILDING CONSTRUCTION FOR FIRE	3 UNITS
	PROTECTION	
Hours:	3 Lecture/Discussion hours	

6 Homework hours

The study of the components of building construction relating to fire safety. Elements of construction and design of building. Development and evolution of building in relationship to past fires.

FIRE 252 S.F.M. · FIRE INVESTIGATION 1A 2 UNITS Hours: SHORT TERM CLASS (Total Hours 40) 40 Lecture/Discussion

This course is designed for students who are currently employed in a fire service area and are interested in advancing their career into the area of investigation. Students will study the techniques of fire scene investigation, fire indicators and fire behavior and expose students to arson laws, writing documentation and insurance reports. This course will apply toward investigator certification by the California State Fire Marshal's Office.

Limitation On Enrollment: Must be presently appointed to a fire service or related agency and is eligible for SFM fire officer or fire prevention officer upon completion of all required curriculum.

FIRE 253	S.F.M FIRE INVESTIGATION 1B	2 UNITS
Hours:	SHORT TERM CLASS (Total Hours 40)	
	40 Lecture/Discussion hours	

This is the second class in a series of classes designed for the career oriented student or a currently employed fire fighter to develop knowledge and skills in the area of fire investigation. Students will study legal codes and regulations governing the laws of evidence, interviews, court proceedings, and fire investigation techniques. Laboratory demonstrations will assist to develop skill and understanding of the legal and investigative procedures.

Prerequisite: FIRE 252 or equivalent college course with "C" or better.

FIRE 267	CSFM FIRE CONTROL 6	.5 UNITS
Hours:	SHORT TERM CLASS (Total Hours 16)	
	16 Lecture/Discussion hours	

One of the fundamental elective courses for personnel pursuing the California State Fire Marshal's (CSFM) Fire Service Training and Education Program (FSTEP). Provides technical knowledge in the specialized subject of wildland fire control. It is part of the package funded by the Chancellor's Office. This class provides the student with the fundamentals of planning, organizing and developing strategies and tactics for mitigating wildland fires.

Limitation on Enrollment: Currently employed or volunteer fire fighter of an organized fire department of fire district per the California Fire Service Training and Education System Policy Text.

FIRE TECHNOLOGY

FIRE 277 S.F.M. Fire Management 1 SHORT TERM CLASS (Total Hours 102) Hours: 34 Lecture/Discussion

14 Lab

54 Homework

Reviews managment styles of leadership and through the use of inaction exercises, simulations, and case studies, allows each student to experience how these basic principles can be effectively applied for on-the-job results. This course is one of the State Fire Marshal training classes needed for Fire Officer Certification. Advisory on Recommended Preparation: Completion of nine (9) units in Fire

Technology or presently employed as a fire fighter or serving as a volunteer fire fighter.

FRENCH

FREN 1 ELEMENTARY FRENCH 1 4 UNITS Hours: 4 Lecture/Discussion 1 Lab

This course is committed to the use of French and French cultural aspects as the medium of instruction and to the four skills of understanding, speaking, reading and writing. It is the first semester course in a series of four. It introduces the student to the French sentence patterns and words that are found in basic everyday topics, activities, and culture. CAN FREN 2.

FREN 2	ELEMENTARY FRENCH 2	4 UNITS
Hours:	4 Lecture/Discussion	
	1 Lab	

This course is committed to the use of French and French cultural aspects as the medium of instruction and to the four skills of understanding, speaking, reading and writing. It is the second semester course in a series of four. It also strengthens and broadens the student knowledge of topics, activities and culture of the French speaking world. CAN FREN 4.

Prerequisite: FREN 1 or equivalent college course with "C" or better, or one year of high school French with "C" or better, or permission of department.

FREN 3 INTERMEDIATE FRENCH 4 UNITS Hours: 4 Lecture/Discussion 1 Lab

This course is the third semester course in a series of four. It is conducted in French. It is committed to the development of communicative skills in a cultural context. Reading, listening and writing skills are strengthened by the exposure to and the analysis of contemporary texts and French media sources. CAN FREN 8. **Prerequisite:** FREN 2 or equivalent college course with "C" or better, or two years of high school French with "C" or better, or permission of department.

 FREN 4
 ADVANCED FRENCH
 4 UNITS

 Hours:
 4 Lecture/Discussion
 1 Lab

French 4 is the fourth course in a series of four. Classes are conducted in French. The development and the acceleration of conversational skills are stressed within cultural contexts. The morphology and the syntax of the French language are studied in detail. Writing practice is intensive and related to contemporary culturo-socioeconomical aspects of the French society. An overview of French literary genres is presented. CAN FREN 10.

Prerequisite: FREN 3 or equivalent college course with "C" or better, or three years of high school French with "C" or better, or permission of department.

2 UNITS

SSION

Course **D**escriptions

GEOGRAPHY

GEOG 1 PHYSICAL GEOGRAPHY Hours: 3 Lecture/Discussion An investigation and interpretation of weather, climate, vegetation, oceans, and maps. An emphasis is placed on explaining the distriphenomena on the surface of the earth and the relationship betwinatural environment. CAN GEOG 2. Advisory On Recommended Preparation: MATH 200 or MA205, or equivalent college course with "C" or better, or eligibilit determined by COS Placement Procedures; and ENGL 251 or course with "C" or better, or eligibility for ENGL 1 determined by Procedures. GEOG 1L PHYSICAL GEOGRAPHY LABORATORY Hours: 3 lab hours	bution of physical teen man and the FH 215 or MATH ty for MATH 230 equivalent college	history incluc history of the exercises inco stratigraphy, Advisory Or course with " Procedures;	EARTH HISTORY 3 Lecture/Discussion 3 Lab 6 Homework examines the geologic evidence for the major event ing: the formation of the crust, atmosphere, and e continents; mass extinctions and the record lude: fossil and rock identification, basic principle and geologic map interpretation. a Recommended Preparation: Math 200 or 21 C" or better, or eligibility for MATH 230 determina and ENGL 251 or equivalent college course ENGL 1 determined by COS Placement Process	d oceans; the tectonic of life on Earth. Lab es of geologic time and 5 or equivalent college red by COS Placement with "C" or better, or
Observations, computer projects, experiments, and a field trip familiarize students with techniques used in physical geography. T lab. It is not necessary to take GEOG 1L with GEOG 1. Corequisite: Concurrent enrollment in GEOG 1. Advisory On Recommended Preparation: MATH 200 or MATH college course with "C" or better, or eligibility for MATH 230 de Placement Procedures; and ENGL 251 or equivalent college course or eligibility for ENGL 1 determined by COS Placement Procedu GEOG 2 WORLD REGIONAL GEOGRAPHY Hours: 3 Lecture/Discussion Aspects of physical and cultural geography such as landforms, c	This is an optional 205, or equivalent termined by COS with "C" or better, ires. 3 UNITS	and flooding resources, h with particula semester wi Advisory Or college cours Placement P	ENVIRONMENTAL GEOLOGY 3 Lecture/Discussion an's geologic environment. Earthquakes, lands will be studied. Emphasizes hazards, materi uman interference with geologic processes and ar reference to California. One or more optional l be scheduled. Accommended Preparation: Math 200 or 21. se with "C" or better, or eligibility for MATH 23 rocedures; and ENGL 251 or equivalent college of for ENGL 1 determined by COS Placement Pr	als, energy and water effects of urbanization, al field trips during the 5 or 205, or equivalent 10 determined by COS ourse with "C" or better,
soils, natural resources, demography, political and economic urbanization are applied to various world regions. An empha understanding man-land relationships, promoting cultural awarene current world problems from a geographical perspective. Advisory On Recommended Preparation: ENGL 251 or e course with "C" or better, or eligibility for ENGL 1 determined b Procedures.	organization and asis is placed on ss, and examining equivalent college y COS Placement	Tehachapi te Bakersfield.	FIELD GEOLOGY OF A PORTION OF THE MOJAVE DESERT 6 Lecture/Discussion 18 Lab 6 Activity urse which introduces the student to a portion of 9 Yermo, and that portion of the San Joaquin The course emphasizes the physical geology	Valley from Visalia to
GEOG 3 CULTURAL GEOGRAPHY Hours: 3 Lecture/Discussion 6 Homework hours	3 UNITS		of man and his geological environment. GEOL 1.	
A general background to cultural geography including cultural or migration, multicultural issues, ethnic diversity, religion, lan systems, resources, environmental issues, and map interpretat placed on key relationships of humankind of the social and phy CAN GEOG 4	guage, economic ions. Emphasis is	GEOL 352 Hours:	FIELD GEOLOGY BETWEEN VISALIA AN CENTRAL CALIFORNIA COAST 6 Lecture/Discussion 18 Lab 6 Activity	D THE 1 UNIT
Advisory On Recommended Preparation: ENGL 251 or e course with "C" or better, or eligibility for ENGL 1 determined b Procedures.		Visalia and Cambria. interactions	ourse which introduces the students to a portion the Central California Coast and along the coast fhe course emphasizes the physical geology of man and his geological environment. ; GEOL 1.	st from Santa Maria to
GEOLOGY				
GEOL 1 PHYSICAL GEOLOGY Hours: 3 Lecture/Discussion	4 UNITS		GOVERNMENT	
3 Lab hours A study of the physical activities that work to change the surface of the are topics about stream activities, earthquakes, landsliding, so groundwater contamination and depletion, and the formation of mit their economic development. The concepts of plate tectonics will the course. CAN GEOL 2. Advisory On Recommended Preparation: MATH 200 or 215 or college course with "C" or better, or eligibility for MATH 230 de Placement Procedures; and ENGL 251 or equivalent college course or eligibility for ENGL 1 determined by COS Placement Procedures	horeline hazards, neral deposits and be integrated into 205, or equivalent etermined by COS e with *C* or better,	with particular local govern Advisory C	FEDERAL, STATE, AND LOCAL GOVERNMENT 3 Lecture/Discussion OLI SCI 5 on to the principles and problems of national, state ar emphasis on the Constitution of the United Si ments of California. CAN GOVT 2. On Recommended Preparation: ENGL 251 "C" or better, or eligibility for ENGL 1 determin	ates and the state and or equivalent college

Procedures.

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GEOLOGY

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or eligibility for ENGL 1 determined by COS Placement Procedures.

GOVERNMENT

Course Descriptions

HEALTH AND WELLNESS

GOVT 5H FEDERAL, STATE 4 UNITS AND LOCAL GOVERNMENT-HONORS 4 Hours: 3 Lecture/Discussion 1 1 Honors Colloquium 6 Formerly POLI SCI 5H 7 An introduction to the principles and problems of national, state and local government, with particular emphasis on the Constitution of the United States and the state and local governments of California. In addition, this course will explore and analyze conflicting problems affecting government on the national, state, and local levels. A one hour colloquium is also required for the fourth unit of credit. Advisory On Recommended Preparation: ENGL 1 or equivalent college course with "C" or better. Limitation On Enrollment: Acceptance into the Honors Program. GOVT 7 MASS COMMUNICATIONS 3 UNITS	HW 60 CONCEPTS IN HEALTH AND FITNESS 3 UNITS Hours: 3 Lecture/Discussion 3 UNITS Cross Ref: SMED 60 3 UNITS An examination of recommended health practices and concerns. Emphasis is on basic understanding of critical health and fitness issues and applying these to everyday living. 3 UNITS HW 104 DRUGS AND SOCIETY 3 UNITS Hours: 3 Lecture/Discussion 3 UNITS This course covers the broad spectrum of drug use in our society. The material is constantly updated to reflect the current interests of students and new information made available by the scientific community. 3 UNITS HW 119 NUTRITION FOR 3 UNITS
Hours: 3 Lecture/Discussion Cross Ref: JOUR 7 Formerly POLI SCI 7 A survey course covering all media of mass communications, newspapers, radio, television, magazines, book publishing, films, and the recording industry. Students will study strengths and weaknesses of each medium, as well as the major challenges to a democratic society including censorship, sensationalism, pornography, propaganda, and monopology. The course focuses on the interrelationship of mass media and society. CAN JOURN 4 GOVT 25 CONSTITUTIONAL LAW INTERPRETATION 3 UNITS	FITNESS, EXERCISE, AND SPORTS Hours: 3 Lecture/Discussion 6 Homework Cross Ref: NUTR 119 PE 119 This course is designed to acquaint students with the nutritional needs of athletes and the relationship between nutrition and fitness. Students are required to use the computer, Internet and basic math skills to calculate nutritional needs. Topics include human energy, nutrient groups, body composition, and supplement use.
CIVIL LIBERTIES, FACT AND FALLACY Hours: 3 Lecture/Discussion Cross Ref: AJ 25 BUS 25 Formerly POLI SCI 25 This course allows students to study and apply logic and critical thinking to written and oral communication through the study of the fundamental rights as protected by the United States Constitution. This course will develop an understanding of the role of the courts and key court cases interpreting individual rights. Students will develop the skills to analyze others' arguments, produce their own arguments and develop solutions to problems utilizing the case study method in legal research and analysis. Students will be required to write a total of 6,000 to 8,000 words. Advisory On Recommended Preparation: ENGL 1 and SPCH 1, or equivalent college course with a "C" or better.	HIGH TECHNOLOGY (Formerly Enabler Skills) HT 310a-d Hours: ADAPTED COMPUTER TECHNOLOGY 1-3 Lecture/Discussion 2-6 Lab 1-3 UNITS Students with various disabilities will acquire and implement basic computer skills with personalized adapted computer technologies to perform tasks required in personal, educational or occupational applications. Supplemental instruction provided in this course coupled with adapted hardware and software will strengthen and enhance the development of skills for the disabled. This course maybe repeated three times. Preregulsite: Eligible disability.
HEALTH AND WELLNESS	HISTORY

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HW 1	PERSONAL AND COMMUNITY HEALTH	3 UNITS
Hours:	3 Lecture/Discussion	
	6 Homework	
APPROVE	D FOR DISTANCE LEARNING	

A general course including the facts necessary for maintenance of physical and mental health. The subject matter covers holistic health, mental health, stress management, physical health and nutrition, infectious and noninfectious diseases, sexually transmitted diseases, lifestyles, and drugs in our society.

HW 3	STANDARD FIRST AID	3 UNITS
Hours	3 Lecture/Discussion	

Hygiene 3 covers the American Red Cross Standard First Aid course, including Cardiopulmonary Resuscitation (CPR), Safety Factors in Daily Living, Emergency Treatment for Various Types of Injuries and Emergency Childbirth. Certificate will be issued with a fee paid to the American Red Cross when requirements are met.

HW 7 SPORTS HEALTH **3 UNITS** Hours: 3 Lecture/Discussion

Using sport as the vehicle, this class covers the same basic subject matter as HW 1. The effects of pain and stress on performance are studied. Diet, weight control, fitness and exercise, genetics, and their influence on training are examined. The consequences of using alcohol, tobacco and anabolic steroids and other drugs are explained in terms of their effects on human performance. An understanding of the anatomy of common injuries and their treatment and prevention is developed. This course meets the Health and Wellness requirement (hygiene) requirement.

HIST 4 THE HISTORY OF WESTERN **CIVILIZATION TO 1648** Hours: 3 Lecture/Discussion

History 4 "Western Civilization to 1648," is the first of an optional two-semester course sequence which surveys the development of Western Civilization. Covering events from approximately 3000 BCE to 1648 CE, it defines "civilization" and traces how institutions and ideas from the ancient Mideast, Greece, Rome, and medieval Europe came together by the middle of the seventeenth century to form a mature "Western" civilization. This course fulfills general-education requirements for CSUF Fresno and the University of California, as well as most private liberal-arts colleges. It is recommended for all transfer students with college-level reading and writing skills. CAN HIST 2.

Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

3 UNITS

HISTORY

3 UNITS

THE HISTORY OF WESTERN HIST 5 **CIVILIZATION SINCE 1648** Hours: **3 Lecture/Discussion**

History 5 is the second of an optional two-course sequence which surveys the history of to modern world. It begins with a study of the rise of absolute dynastic states and commercial empires in the eighteenth century. Then it investigates the impact of the French Revolution and the rise of the industrial economy on Europe in the nineteenth and first half of the twentieth century. And finally it describes the so-called information revolution after the Second World War and suggests some of its possible consequences in light of previous historical patterns. This course fulfills general-education requirements for CSU-Fresno and for the University of California, as well as most private liberal-arts colleges. It is recommended for all transfer students with collegelevel reading and writing skills. CAN HIST 4.

Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

HIST 5H THE HISTORY OF WESTERN **4 UNITS CIVILIZATION SINCE 1648 - HONORS** Hours: 4 Lecture/Discussion

A study of the history of the development of Western Civilization from 1648 to the present time. This course will examine the interaction of political, economic, social, religious and artistic forces in shaping Western society. In addition, this course will pay particular attention to the conflict between freedom and tyranny in the growth of political institutions in Europe. A weekly one hour colloquim culminates in an appropriate semester project.

Advisory On Recommended Preparation: ENGL 1 or equivalent college course with "C" or better.

Limitation On Enrollment: Acceptance into the Honors Program or permission of department.

HIST 17 THE PEOPLE OF THE UNITED STATES **3 UNITS** Hours: 3 Lecture/Discussion

A study of the people of the United States from colonial beginnings to 1865 emphasizing the interaction of political, economic, and social factors in the evolution of American culture. CAN HIST 8.

Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

HIST 18 THE PEOPLE OF THE UNITED STATES **3 UNITS** Hours: **3 Lecture/Discussion**

A study of the people of the United States from Reconstruction to the present time emphasizing the interaction of political, economic, and social factors in the evolution of American Culture. CAN HIST 10.

Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

HIST 18H	AMERICAN HISTORY THROUGH	4 UNITS
	THE EYE OF FICTION	
Hours:	3 Lecture/Discussion	
	1 Colloguium	
A	a secola of the Usited Otstee from 4005 to the sec	

A study of the people of the United States from 1865 to the present, emphasizing the interaction of political, economic, and social factors in the evolution of American culture. In addition, this course will emphasize the reflection of each era in the work of representative writers of each period. A one hour colloquium is also required for the fourth unit of credit.

Advisory on Recommended Preparation: ENGL 1 or equivalent college course with "C" or better.

Limitation On Enrollment: Acceptance into the Honors Program.

HISTORY

HIST 19 THE PEOPLE OF LATIN AMERICA Hours: 3 Lecture/Discussion

A comparative study of the culture and heritage of the people of Latin America from the Pre-Columbian period to the end of the wars for independence. Emphasis will be placed upon the social, political, and economic factors shaping the destiny of the countries of Latin American up to the 1850's.

3 UNITS

Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

THE PEOPLE OF LATIN AMERICA **3 UNITS** HIST 20 Hours: 3 Lecture/Discussion

A comparative study of the culture and heritage of the people of Latin America from the 1850's to the present. Emphasis will be upon the social, political and economic factors shaping their destiny and role in today's world community.

Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

THE PEOPLE OF MEXICO HIST 21 **3 UNITS** Hours: 3 Lecture/Discussion

A study of the culture and heritage of the people of Mexico from the Native American period to the present time with an emphasis on the social, political, and economic factors shaping their destiny in the world today. Through assigned reading, discussion, and writing, the students gain critical insights into the history and development of Mexico, as well as its literary, artistic, and sociopolitical contributions to world culture and civilizations.

Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

HIST 23 **MEXICAN AMERICAN HISTORY 3 UNITS** 3 Lecture/Discussion Hours:

A study of the culture and heritage of the Mexican American people from the Native American period to the present time with an emphasis on the social, political, and economic factors shaping their destiny in American society.

Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

THE PEOPLE OF CALIFORNIA HIST 31 **3 UNITS** 3 Lecture/Discussion Hours:

A study of the people of California from the earliest Indian civilizations and subsequent white settlements right down to the present. An inquiry into the political, social, and economic institutions of California as a part of Spain, Mexico, and the United States. Open to both transfer and two-year students.

Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

HUMAN DEVELOPMENT

HDEV 100	CAREER PLA	NNING		3 UNIT	S
Hours:	3 Lecture				
	6 Homework				
An introducti	on to apport/life	planning including	on ovaloration	of interaste	ckill

An introduction to career/life planning including an exploration of interests, skills, values, personality traits, past experiences and life stages. Students will develop a career/life plan using gathered self-information, decision-making strategies and an awareness of psychological, sociological and physiological factors related to career/ life satisfaction.

HDEV 120a-b STUDENT SUCCESS	2 UNITS
Hours: 2 Lecture	
4 Homework	
This course will provide the student with an opportunity to le	
tools, and methods that will enhance his/her success	in college. In addition,
information on campus resources, regulations, and required	uirements for graduation/
transfer will be discussed. This course may be repeated	f once.

Limitation On Enrollment: Some sections may be reserved for special populations.

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HUMAN DEVELOPMENT

HDEV 122a-d	PEER COUNSELING	3 UNITS
Hours:	2 Lecture/Discussion	
	2 Lab	

Human Development 22 focuses on interpersonal communication and interaction skills within the setting of student-to-student advising. Emphasis is placed on communication in dyadic, group, and intercultural contexts. Counseling theories and research provide a foundation upon which to understand human behavior and appropriate intervention as Peer Advisors. Students will acquire skills important to the applications of general psychology to solve non-clinical academic, personal, and social problems while serving as assistants to faculty and paraprofessionals. This course may be repeated three times.

Advisory On Recommended Preparation: PSY 1 or equivalent college course with "C" or better; and ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

HDEV 230	COLLEGE SUCCESS SKILLS	1 UNIT
Hours:	SHORT TERM CLASS (A total of 18 hours)	
	1 Lecture/Discussion	
	2 Homework	

This course provides students with an opportunity to learn techniques and adopt attitudes and skills that promote academic success. Course content is taught with the objective of identifying personal obstacles to academic success. The focus will be on time management, procrastination and goal setting, stress management, focusing and concentrating, adjusting to college and successful relationships. Campus resources providing further support will also be introduced.

HDEV 251a-c	CAREER DEVELOPMENT	1 UNIT
Hours:	SHORT TERM CLASS (A total of 18 hours)	
	1 Lecture/Discussion	
	2 Homework	

This course focuses on career, personal and educational awareness as they relate to the process of career choice and academic goal setting. Self-assessment instruments which focus on interests skills, values, and personality will help identify career options. Decision-making strategies, labor market trends, interviewing skills, resume writing, application completion and job search techniques will be reviewed. This course may be repeated two times.

HDEV 258 SUMMER COLLEGE READINESS PROGRAM 3 UNITS Hours: 54 Total Course Hours 36 Homework hours

The Summer College Readiness Program provides students with the skills and necessary knowledge to become self-directed individuals. Desired outcomes of the program are that students become independent thinkers capable of making intelligent choices, and develop the self-confidence to participate in classroom activities. Limitation on enrollment: Acceptance into the Extended Opportunity Program and Services Summer Readiness Program.

HDEV 307a-d	STUDENT SUCCESS STRATEGIES	.5 UNIT
Hours:	SHORT TERM CLASS	
	4 Lecture	
	12 Lab	
	8 Homework	

Cross Ref: LS 207a-d

This course is designed to provide the student with individualized instruction regarding strategies and accomodations for college study skills including: textbook reading, notetaking, test taking and time management. This course may be repeated three times.

HUMANITIES

Course Descriptions

HUM 301 INTRODUCTION TO HUMANITIES Hours: 3 Lecture/Discussion

3 UNITS

This is one of a series of courses designed to help students develop the competence and confidence necessary for successful college study in both academic and vocational courses. Introduction to Humanities is an introductory course in the visual arts which traces the development of Western civilization from Paleolithic times to the present. Although the course will focus on man's artistic creations, these objects are explored as reflections of their cultural contexts.

HUMAN SERVICES

HSER 120 INTRODUCTION TO SOCIAL WELFARE 3 UNITS Hours: 3 Lecture/Discussion

A general survey of the social, economic, political, historical and philosophic components in the development of social welfare programs. Major contemporary public assistance programs in the United States and California government are evaluated.

4 UNITS

Hours: 3 Lecture/Discussion

INTERVIEWING

2 Lab

HSER 121

Methods and techniques of interviewing. Emphasis is on obtaining social information, presenting social agencies, developing sensitivity and awareness of the needs, feelings and concerns of those being interviewed; developing skills and the use of interpreters. Special programs, problems in interviewing the children, the troubled and the aged.

HSER 122 INTRODUCTION OF HUMAN SERVICES 3 UNITS Hours: 3 Lecture/Discussion

A study of the uses of human services (social work) in meeting the social problems of the community. An examination in the field as a profession, along with a survey of the techniques of social case work is a method of intervention in personal, marital, inter-personal and community dysfunction.

HSER 228	ALCOHOLISM, INTERVENTION,	2 UNITS
	TREATMENT, AND RECOVERY	

Hours: 2 Lecture/Discussion

This course provides knowledge about alcoholism and chemical dependency from a social clinical perspective. Emphasis is placed on programs for intervention, treatment, and recovery.

HSER 229 PHYSICAL AND PSYCHOLOGICAL 2 UNITS ASPECTS OF DRUG USE

Hours: 2 Lecture/Discussion

This course explores physiological and psychological aspects of drug abuse and addiction; physical and psychological dependencies, psychological effects of commonly used drugs; and various methods of treatment and prevention.

INDEPENDENT STUDY

ALL DISCIPLINES 151a-d	INDEPENDENT STUDY UNITS: Variable TRANSFER STATUS-CSU TRANSFERABILITY	ITEC 130	HAZARDOUS MATERIALS AWARENESS AND SAFETY SHOPT TERM CLASS (Tatel House 24 - 7 weeks)	1.5 UNITS
Hours:	54-162 Lecture/Discussion	Hours:	SHORT TERM CLASS (Total Hours 24 - 7 weeks) 3.5 Lecture/Discussion per week)
the direction supplement a of 54 hours of Limitation O COS or equiv	of independent study is to provide an opportunity for students, under of an instructor, to participate in advanced individualized studies to nd enhance existing courses. Independent Study requires a minimum of academic work per unit. n Enrollment: Completion of all beginning level courses offered at ralent college course in the selected subject area. In addition, student idependent Study form through the Admisisons Office to obtain approval	recognition of a study of ha safety, types processes, ar general requi	Safety aspects of working with hazardous materials hazardous materials and the nature of worksite hazar zard classifications, laws and regulations applying to wo of health effects, personal protective equipment, hd health and safety planning processes. Course is do rements of OSHA Hazardous Materials Training for wo spiratory protection.	rds. Included is orker health and risk reduction esigned to meet
ALL		ITEC 142	AIR CONDITIONING SHEET METAL	3 UNITS
	INDEPENDENT STUDY UNITS: Variable	Hours:	3 Lecture/Discussion 3 Lab	
251a-d Hours:	NON-TRANSFER STATUS 54-162 Lecture/Discussion	Conoral abor	3 Homework	oning coldering
The purpose direction of	of independent study is to provide an opportunity for students, under the an instructor, to participate in advanced individualized studies to ind enhance existing courses. Independent Study requires a minimum	riveting, and	t metal work including design, calculating, bending, sh spot welding. Principles of fabrication of sheet metal fi r the sheet metal air conditioning trade.	
	of academic work per unit.	ITEC 143	ADVANCED AIR	3 UNITS
COS or equiv	n Enrollment: Completion of all beginning level courses offered at valent college course in the selected subject area. In addition, students independent Study form through the Admissions and Records Office.	Hours:	CONDITIONING DUCT SHEET METAL 2 Lecture/Discussion 4 Lab	
	INDUSTRY AND TECHNOLOGY	and air con Development	e layout, fabrication, and installation of sheet metal fitting: ditioning (cooling-heating) duct systems and kitch of triangulation and true length line layout and fabrica Recommended Preparation: ITEC 142 or equivalen	en equipment.
		with "C" or b		.
ITEC 100 Hours:	INDUSTRIAL MAINTENANCE 13 UNITS TECHNOLOGY, OPTION A (First Semester) 8 Lecture/Discussion	ITEC 160	TECHNICAL COMPUTER APPLICATIONS	2 UNITS
	17 Lab	Hours:	2 Lecture/Discussion	
Materials Fe	14 Homework e: \$7.00	Materials_Fe	4 Homework <u>e: \$3.00</u>	
This is the f Technology. skills utilized	irst semester of a two semester program in Industrial Maintenance This class will provide the students with the theories, concepts and in the area of: basic electricity, machine tool operation, acetylene and , hydraulics/pneumatics, and mechanics.	in industry a systems, wor construction	on to the application of computer techniques to the proble nd technology. Students will learn the basics of com d processing, spreadsheets and databases, and their technology, architecture, automotive, electronics, enviro d industrial maintenance.	nputer operating r applications to
ITEC 101	INDUSTRIAL MAINTENANCE 13 UNITS TECHNOLOGY, OPTION A (Second Semester)	ITEC 161a.d	DESKTOP VIDEO DIGITAL	4 UNITS
Hours:	8 Lecture/Discussion		PRODUCTION	4 01110
	17 Lab 14 Homework	Hours:	3 Lecture/Discussion 3 Lab	
Materiais Fe	e: \$7.00		e, students shall learn the latest technologies of digita	
the areas of: refrigeration	will provide the students with theories, concepts, and skills utilized in industrial motor controls and instrumentation, stick and TIG welding, and programmable logic controllers. It is the second course of a two igram and is required to earn a certificate in industrial Maintenance	presentation. audio, single leave the cla	This class shall be a benefit to anybody in developing a Students shall be able to create video productions or track special effects and desktop graphic presentation ss with the skills to enter the workplace as a desktop	ombining 4 track . Students shall video producer.
Technology.	: ITEC 100 or equivalent college course with "C" or better or equivalent		rocess of creating digital videos, students will have th experiment with different images to make their own v	
	owiedge as determined by departmental assessment.	Students are	expected to complete a series of required tutorials which d the complexities of digital video production. This	shall allow them
ITEC 105a-d	INDUSTRIAL MAINTENANCE 4 UNITS TECHNOLOGY, OPTION B (Night Class)	repeated thre	ee times.	
Hours:	3 Lecture/Discussion 3 Lab	ITEC 170	COMPUTER SKILLS FOR WOMEN IN BUILDING DESIGN AND CONSTRUCTION	1 UNIT
<u>Materials</u> Fe	<u>e: \$7.00</u>	Hours:	SHORT TERM CLASS (A total of 4 weeks)	
	nent oriented class will provide the students with knowledge and skills of: basic electricity, industrial electrical controls, programmable logic	A "hands on	6 Lecture/Discussion function to the use of the computer hardware an	d software most
controllers, li	nstrumentation, pneumatics and hydraulics, machine tool operation,		lized in construction and environmental design. Stude	
	principles, and welding practices. This course parallels the day time intenance Technology course, but is offered in a four-semester night		mputer assisted drafting, other graphics applications yout, computer animation as it relates to building design a	
class format.	Industrial Maintenance Technology, Option B, requires four semesters	and three d	imensional modeling. Computer applications for stru	uctural analysis,
	rk and work experience to complete the certification requirements (the be taken without work experience, if the student does not desire a	introduced a	rgy use analysis, estimating, scheduling and cost ac nd explored.	counting will be

INDUSTRY AND TECHNOLOGY

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certificate), and the four semester sequence may be started any semester.

INDUSTRY AND TECHNOLOGY

ITEC 185 ETHICS IN BUSINESS AND INDUSTRY 3 UNITS Hours: 3 Lecture/Discussion

Cross Ref: BUS 185

This course is designed to better prepare students to deal with the many moral dilemmas they will inevitably face in their personal and professional lives. The focus of the class will be primarily on the application of ethics to contemporary issues occurring in today's business and industry. Students will research, discuss, analyze, and reflect on issues such as accountability, loyalty, confidentiality, honesty, justice, education, discrimination, etc.

ITEC 201	TECHNICAL MATHEMATICS	4 UNITS
Hours:	4 Lecture/Discussion	
	8 Homework	

This course is designed to meet the growing needs of students in the Industry and Technology programs. The mathematical topics chosen are those most useful in solving technical problems. The functional aspect of mathematics is of prime importance in this course, with less emphasis given to formal mathematics and the origins and explanations of mathematical phenomena. This course is specifically designed to demonstrate how to use various mathematical tools and techniques in the following fields of Industry and Technology: Automotive, Building Trades, Drafting, Electronics, Environmental Control, Maintenance Technicain, and Welding. Practical problems immediately followed by solutions, are presented throughout the course. The math competency exam will be given as a final in the class.

ITEC 220	WATER TREATMENT FUNDAMENTALS	3 UNITS
Hours:	3 Lecture/Discussion	
	6 Homework	

Basic methods for providing safe public drinking water are presented. Main underlying concepts of mathematics and science are introduced. Course fulfills specialized training requirement and prepares students for grades 1 and 2 water treatment operator certification exam administered by California Department of Health Services.

ITEC 221	WASTEWATER TREATMENT FUNDAMENTALS	3 UNITS
Hours:	3 Lecture/Discussion	
	6 Homework	

Basic methods for removing pollutants from sanitary sewage and industrial wastewater are presented. Main underlying concepts of mathematics and science are introduced. Course fulfills educational point requirement which, in conjunction with required experience, qualifies student to take the State Water Resource Control Board (SWRCB) grades 1 and 2 wastewater treatment plant operator (WWTPO) exams. Course prepares students for SWRCB WWTPO grades 1 and 2 exams.

ITEC 233	JOB SEARCH SKILLS	2 UNITS
Hours:	2 Lecture/Discussion	

This course is recommended for students who will be seeking employment in their chosen industry and Technology area. It will assist students in defining career objectives, resume writing, and conducting an organized job search.

Advisory On Recommended Preparation: At least two semesters of an industry and Technology program or equivalent experience.

ITEC 271	ELECTRICAL WIRING, COMMERCIAL	2 UNITS
Hours:	2 Lecture/Discussion	
	1 Lab	

3 Homework

This course is an introductory lecture and laboratory course in commercial wiring methods that covers the various phases of commercial wiring. The student will study blueprints, building codes, wiring methods, nomenclature, building layout, fasteners, and various other units used in commercial construction. Intended for those persons desiring to enter the electrical construction trades, maintenance technology, or other building trades.

INDUSTRY AND TECHNOLOGY

ITEC 272	ELECTRICAL	3 UNITS
	WIRING, INDUSTRIAL	
Hours:	3 Lecture/Discussion	
	6 Homework	1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
The shirt is	a pastag of these standard sublem pourses.	This course is recommen

The third in a series of three electrical wiring courses. This course is recommended for all students entering the field of electrical contracting or maintenance technology. It builds on the knowledge and experience gained through working with the 1 & T residential and commercial class. This course is an integral part of an extensive electrical trades program intended for those persons desiring to enter the construction or maintenance trades.

ITEC 273	ELECTRIC MOTOR CONTROLS	2 UNITS
Hours:	2 Lecture/Discussion	
	1 ah	

This course fulfills the necessary education and background in the motor control field for an industrial maintenance electrician. The student will learn the necessary codes for proper wiring methods and installation. The student will learn how to design ladder diagrams from a sequence of operation of various types of industrial machinery at the same time providing all safety precautions necessary to make a safe operation. Safety of personnel and equipment is heavily stressed in this course.

Advisory On Recommended Preparation: Basic electrical and mechanical knowledge; and computer literacy.

TEC 274	ELECTRIC MOTOR CONTROLS - PROGRAMMABLE CONTROLLERS	2 UNITS
Hours:	2 Lecture/Discussion	
	1 Lab	
	3 Homework	

This course fulfills the necessary education and background in the motor control field of programmable controllers for maintenance electricians. The student will learn the coding, numbering, wiring methods and programming of motor controllers. The student will learn how to design ladder diagrams from a hard wired diagram or from a sequence of operation.

TEC 275	SOLID STATE FUNDAMENTALS FOR ELECTRICIANS	2 UNITS
Hours:	2 Lecture/Discussion 1 Lab	

I & T 275 is a lecture/laboratory course in the electronic field that is necessary for the industrial electrician. The student will learn solid state devices and their uses. This course is an integral part of an extensive electrical trades program intended for those persons desiring to enter the construction or maintenance electrician field. **Advisory On Recommended Preparation:** ELEC 101 and 102 or equivalent college courses with "C" or better, or recommendation of department.

ITEC 276	ADVANCED PLCs	3 UNITS
Hours:	3 Lecture/Discussion	
	6 Homework	
This course	togehoe the student eduanced features of	electrical motor controls

This course teaches the student advanced features of electrical motor controls as accomplished through the use of the Programmable Logic Controller and the use of Wonderware software as the Human-Machine-Interface.

Prerequisite: ITEC 274 or equivalent college course with a "C" or better, or equivalent skills and knowledge as determined by departmental assessment.

ITEC 278	PROFESSIONALISM IN THE WORKPLACE	1 UNIT
Hours:	SHORT TERM CLASS (Total Hours 54)	
	18 Lecture/Discussion	
	6 Labs	
	30 Homework	
This course	is to be taken with the courses in the industrial Maint	enace Program

This course is to be taken with the courses in the industrial Maintenace Program to satisfy the requirements for a certificate. The course presents the initial preparation, installation, and operation of the type of preventative maintenance program encountered in an industrial environment fo the planned, and unplanned repair of machinery. **Corequisite:** ITEC 101 or ITEC 105a-d unless previously completed with a "C" or better.

Course Descriptions

INDUSTRY AND TECHNOLOGY

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ITEC 301	SURVEY OF INDUSTRY AND	3 UNITS	IT 122a-c	NETWORK ADMINISTRATION
House	TECHNOLOGY FOR WOMEN SHORT TERM CLASS (A Total of 6 weeks o	r 72 houro)	Hours:	3 Lecture/Discussion 3 Lab
Hours:	9 Lecture/Discussion	r 72 nours)		3 Homework
	3 Lab		Materials F	
	is designed to give women the opportunity to di- ind career opportunities available to them in toda			advanced computer networking co and Server. Students will load NT
	rm class, one week of study will be allocated to the	, ,		an NT 4.0 network. Students will load with
	nd technology: automotive, construction, drafti			nd troubleshooting and repair of
electronics, i	ndustrial maintenance and welding.		components	and peripherals. This course may
ITEC 303	HOME MAINTENANCE	1 UNIT	IT 123a-c	TCP/IP AND IP ROUTING
Hours:	SHORT TERM CLASS (Total Hours 27 - 9 w		Hours:	3 Lecture/Discussion
	2 Lecture/Discussion			1 Lab
This Queopk	1 Lab course is intended to teach basic maintenance a	nd simple repair jobs	Matoriale F	5 Homework ee: \$16.00
	a house. Safety in work habits for the home, use			lvanced course for TCP/IP internet w
	vill be emphasized. Items to be covered are a tool			rogram. Instruction includes: OSI and
	how to saw, types of fasteners, kinds of glues a			and supernetting; IP packets; route
	ishing materials, simple electrical problems, simple and repair of door locks, patching plaster and shee			HCP; WINDS; DNS and application be repeated two times.
	ot and etc. Students will be able to bring in problems			e: IT 121a-c or equivalent college cou
	2 .		skills and k	nowledge as determined by depart
			IT 130a-c	CISCO ACADEMY 1
	INFORMATION TECHNOLO	GY	Hours:	2 Lecture/Discussion
		•••	1	2 Lab
IT 110a-c	PC TROUBLESHOOTING & REPAIR	3 UNITS		5 Homework
Hours:	2 Lecture/Discussion			ee: \$12.00 first of four courses in the Inforn
	2 Lab 5 Homework			program. Instruction includes: safety
<u>Materials Fe</u>				is; OSI models; cabling; cabling too
	will introduce students tio methods used to upgrad		and network	k standards. This course may be r
	opics include: how to identify parts of the PC, so iring PC's adding and removing components, load		IT 131a-c	CISCO ACADEMY 2
	applications, and PC Troubleshooting. This cou		Hours:	2 Lecture/Discussion
two times.			}	2 Lab
IT 111a-c	COMP TIA A+ EXAM PREPARATION	4 UNITS	Materials F	5 Homework ee: \$12.00
Hours:	3 Lecture/Discussion	4 01115		second of four semester courses in
	3 Lab			ertificate program. Instructions inclue
	6 Homework			working terminology and protocols routers, IP addressing and subn
Materials Fe	ac: \$19.00 vanced PC repair course, intended to prepare stude	ints to pass the COMP		his course may be repeated two t
	essional exam. Students will be working hands-o			e: IT 130a-c or equivalent college cou
	operating systems, application software, and config	guring PCs for optimal		nowledge as determined by depar
performance.	This course may be repeated two times.			on Recommended Preparation: S home, work, or school for viewing
IT 120	Computer Networking Fundamentals	3 UNITS		em, and for Internet homework ass
Hours:	3 Lecture/Discussion			
	6 Homework		IT 132a-c Hours:	CISCO ACADEMY 3 2 Lecture/Discussion
	is an introduction to computer networking conce the technical foundations of networks, topologie		Hours.	2 Lab
	d network administration. Students will also be inf			5 Homework
software, trou	ubleshooting and repair of networks and network h			ee: \$12.00
and peripher	rals.			third of four semester courses in certificate program. Instruction inclu-
IT 121a-c	COMP TIA NETWORK + EXAM PREP	3 UNITS		and protocols; interface standards
Hours:	3 Lecture/Discussion		routers; VLA	ANs, IP addressing and network stan
	3 Lab		two times.	
Matari-I- "	3 Homework			e: IT 131a-c or equivalent college cou mowledge as determined by depar
Materials Fe	<u>910.00</u>			another as accommod by achai

This advanced course will prepare students for the Comp TIA Network Topics include: the proper care, maintenance, and use of networking soft and equipment; network terminology and protocols; LANSs, WANs, and C cabling and cabling tools; IP addressing; and network standards. This c be repeated two times.

Advisory on Recommended Preparation: IT 110 and IT 111a-c, and COMP 130 or equivalent college course with a "C" or better, or equivalent knowledge as determined by departmental assessment.

INFORMATION TECHNOLOGY

3 UNITS

	Materials Fee: \$16.00		
-traditional	This is an advanced computer networking course using Microsoft Windows NT		
y. Offered	Workstation and Server. Students will load NT Workstation/Server then create and		
wing areas electricity/	administrate an NT 4.0 network. Students will also be introd software, and troubleshooting and repair of networks and	•	
electricity	components and peripherals. This course may be repeated tw		
	componente ana penpinente. The course may be repeated in		
JNIT	IT 123a-c TCP/IP AND IP ROUTING	3 UNITS	
e))	Hours: 3 Lecture/Discussion		
	1 Lab		
	5 Homework		
repair jobs	Materials Fee: \$16.00		
nd storage	This is an advanced course for TCP/IP internet working in the CO		
home, how kes, paints i	Certificate program. Instruction includes: OSI and TCP/IP models subnetting and supernetting; IP packets; routers; IP routing;		
problems,	protocols; DHCP; WINDS; DNS and application layer protocols		
, detecting	course may be repeated two times.	and programs. The	
own home.	Prerequisite: IT 121a-c or equivalent college course with a "C" or	better, or equivalent	
	skills and knowledge as determined by departmental assessn		
	IT 130a-c CISCO ACADEMY 1	3 UNITS	
	Hours: 2 Lecture/Discussion		
	2 Lab 5 Homework		
JNITS	Materials Fee: \$12.00		
	This is the first of four courses in the Information Technolo	av Cisco Academy	
	Certificate program. Instruction includes: safety; networking; p		
	LANs; WANs; OSI models; cabling; cabling tools; routers; Ethe	ernet; IP addressing	
ir personal	and network standards. This course may be repeated two tim	Ies.	
hardware		0 UNUT0	
ng systems	IT 131a-c CISCO ACADEMY 2 Hours: 2 Lecture/Discussion	3 UNITS	
e repeated	Hours: 2 Lecture/Discussion 2 Lab		
	5 Homework		
UNITS	Materials Fee: \$12.00		
	This is the second of four semester courses in the Information	n Technology Cisco	
	Academy Certificate program. Instructions include, but are not li		
	routers, networking terminology and protocols; network testir		
	configuring routers, IP addressing and subnetting; and inte	ernetworking router	
the COMP	protocols. This course may be repeated two times. Prerequisite: IT 130a-c or equivalent college course with a "C" or	better or equivalent	
rocomputer for optimal	skills and knowledge as determined by departmental assessment		
ioi opumai	Advisory on Recommended Preparation: Students must ha		
	Internet at home, work, or school for viewing the on-line curri	culum supplied by	
UNITS	Cisco System, and for Internet homework assignment.		
		0 UNITO	
	IT 132a-c CISCO ACADEMY 3 Hours: 2 Lecture/Discussion	3 UNITS	
nts will be	2 Lab		
s, bindings, diagnostic	5 Homework		
omponents	Materials Fee: \$12.00		
omponente	This is the third of four semester courses in the Information		
	Academy Certificate program. Instruction includes: switching to	• • •	
UNITS	terminology and protocols; interface standards; programming		
	routers; VLANs, IP addressing and network standards. This court two times	se may be repeated	
	two times. Prerequisite: IT 131a-c or equivalent college course with a "C" or	better or equivalent	
	skills and knowledge as determined by departmental assess		
Plus Exam.	Advisory on Recommended Preparation: Students must I		
ware, tools,	Internet at home, work, or school for viewing the on-line curriculu	im supplied by Cisco	
SI models;	Systems, and for internet homework assignments.		
course may			
COMP 5 or nt skills and			
n onno ditu			
	L		

INFORMATION TECHNOLOGY

3 UNITS

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IT 133a-c **CISCO ACADEMY 4** 2 Lecture/Discussion Hours: 2 Lab

5 Homework

Materials Fee: \$12.00

This is the fourth of four semester courses in the Information Technology Cisco Academy Certificate Program. Instruction includes: LAN switching; WAN encapsulation methods; ISDN routing; programming and configuration of routers; network security; and UNIX intercompatibility. This course may be repeated two times.

Prerequisite: IT 132a-c or equivalent college course with a "C" or better, or equivalent skills and knowledge as determined by departmental assessment.

Advisory on Recommended Preparation: Students must have access to the Internet at home; work; or school for viewing the on-line curriculum supplied by Cisco Systems, and for internet homework assignments.

IT 140a-c	MCSE WINDOWS 2000 PRO	2 UNITS
Hours:	2 Lecture/Discussion	
	2 Lab	
	2 Homework	

Materials Fee: \$12.00

This course will prepare students to pass Microsoft Windows 2000 Professional Exam #70-210. This course will provide an overview of the Windows 2000 networking family, as well as: installation; file systems, profiles and policies; security; protocols; internetworking; remote access; printing; and troubleshooting. This course is repeatable two times.

Prerequisite: IT 111 or equivalent college course with a "C" or better, or Comp TIA A+ Certificate, or equivalent skills and knowledge as determined by departmental assessment.

Advisory on Recommended Preparation: COMP 140 and COMP 5 or COMP 130, or equivalent college course with a "C" or better, or equivalent skills and knowledge as determined by departmental assessment.

IT 141a-c	MCSE WINDOWS 2000 SERVER	2 UNITS
Hours:	2 Lecture/Discussion	
	2 Lab	н. Т
	2 Homework	

Materials Fee: \$12.00

This course prepares students to take the Microsoft Windows 2000 Server certification Exam 70-215. The course focuses on selecting server and client hardware, installing and configuring a server, printing services, remote access services, interoperating on a network, setting up for the internet, monitoring and turning a server, and troubleshooting problems. This course is repeatable two times.

Prerequisite: IT 111 or equivalent college course with a "C" or better, or CompTIA A+ certificate, or equivalent skills and knowledge as determined by departmental assessment.

Advisory on Recommended Preparation: COMP 140 and COMP 5 or COMP 130 or equivalent college courses with a "C" or better, or equivalent skills and knowledge as determined by departmental assessment.

INSURANCE

INS 121 PRINCIPLES OF INSURANCE Hours: 3 Lecture/Discussion

3 UNITS

This is the first course in a three-semester program leading to the Certificate in General Insurance from the Insurance Institute of America (IIA) which is designed for persons who have a need of insurance contract knowledge. The first semester of study begins with an introduction to the concept of risks, methods of handling risks, and the various operations of insurance companies.

Advisory On Recommended Preparation: ENGL 360 or equivalent college course with "C" or better, or eligibility for ENGL 251 determined by COS Placement Procedures.

INSURANCE

Course Descriptions

INS 122 PERSONAL INSURANCE 3 Lecture/Discussion Hours:

3 UNITS

This is the second course in a three semester program leading to the Certificate in General Insurance from the Insurance Institute of America (IIA) which is designed for persons who have a need for insurance contract knowledge. The second semester of study addresses the personal loss exposures of individuals, how to identify these exposures, and the various insurance contracts used in the personal insurance field. Prerequisites: INS 121 or equivalent college course with "C" or better.

Advisory On Recommended Preparation: ENGL 360 or equivalent college course with "C" or better, or eligibility for ENGL 251 determined by COS Placement Procedures.

INTERCOLLEGIATE ATHLETICS

IA 1a-d	INTERCOLLEGIATE		2 UNITS
	ATHLETICS-BASEBALL - MEN'S		
Hours:	2 Lecture/Discussion	+	
	8 Activity		

Intercollegiate Varsity Baseball is designed for the student who excels in athletic ability and wishes to compete at a high level of baseball against other California community colleges. This course may be repeated three times.

A 2a-d	INTERCOLLEGIATE BASKETBALL - MEN'S	1 UNIT
lours:	1 Lecture/Discussion	÷:
	4 Activity	

An advanced skill course for male students who want to participate in an intercollegiate basketball program. Course includes advanced techniques of offense, defense, rebounding, transition and related philosophies will be taught and used in intercollegiate competition. Off court time will be required for travel and overnight trips. This course may be repeated three times.

IA 3a-d	INTERCOLLEGIATE BASKETBALL - WOMEN'S	1 UNIT
Hours:	1 Lecture/Discussion	
	4 Activity	

An advanced skill course for female students who want to participate in an intercollegiate basketball program. Advanced techniques of offense, defense, rebounding, transition and related philosophies will be taught and used in intercollegiate competition. Off court time will be required for travel and overnight trips. This course may be repeated three times.

IA 6a-d	INTERCOLLEGIATE ATHLETICS - FOOTBALL	2 UNITS
Hours:	2 Lecture/Discussion	
	8 Activity	

This course is designed for the student/athlete to compete in intercollegiate varsity football at the community college level. The student/athlete should not schedule any other classes from 2 p.m. through 6:30 p.m. Monday-Friday. This course may be repeated three times.

7a-d	INTERCOLLEGIATE ATHLETICS - GOLF	2 UNITS
ours:	2 Lecture/Discussion	
	8 Activity	

Designed for the student/athlete who wishes to play competitive golf on an intercollegiate golf team competing against teammates and other community colleges. This course may be repeated three times.

IA 8a-d	INTERCOLLEGIATE
	ATHLETICS - WOMEN'S SOFTBALL
Hours:	2 Lecture/Discussion
	8 Activity
This second	to dealers adding the family shade at interaction in a second sector of the second sector in the

This course is designed for the female student interested in competing in intercollegiate softball. The course involves daily practices as well as competition at the collegiate level at league games and various tournament plays. Intercollegiate softball not only allows the student/athlete to better herself as an individual athlete, but contributes to team effort as well. This course may be repeated three times.

2 UNITS

INTERCOLLEGIATE ATHLETICS

IA 10a-d	WOMEN'S	2 UNITS	IS 101a-d Hours:	CROSS CULTURAL EDUCATION 2 Lecture/Discussion	2 UNITS
Hours:	2 Lecture/Discussion 8 Activity		This course	Field Work Required is designed to acquaint students with cross cultur	al experiences with
	ercollegiate golf is designed for the student/athlete who w olf on an Intercollegiate golf team competing against teamma		migrant child	Iren. It will consider the special needs of migrants Ways of working with the various age levels of mig	and how they are
	colleges. This course may be repeated three times.	ates and other	explored. P	hilosophies and types of available cross-cultural pr	
IA 11a-d	INTERCOLLEGIATE ATHLETICS - TENNIS	2 UNITS	examined. T	his course may be repeated three times.	
	MEN'S		IS 102a-d	STUDENTS IN GOVERNMENT	2 UNITS
Hours:	2 Lecture/Discussion 8 Activity		Hours:	AND LEADERSHIP 2 Lecture/Discussion	
	the student who wishes to play competitive tennis on an			members of the Executive Board of ASB for the study	
	competing against teammates and other community college eated three times.	s. This course	developmen	parliamentary procedure, organizations, publicity, a t of leadership qualities through participation in camp	ous governance and
IA 12a-d	INTERCOLLEGIATE ATHLETICS - TENNIS	2 UNITS	administratio	n of the student activities program. This course ma	y be repeated three
	WOMEN'S	2 04115	Limitation C	In Enrollment: Election by the Associated Student I	
Hours:	2 Lecture/Discussion 8 Activity		by the memb	ership committee of the Executive Board of the Association	ciated Student Body.
	is designed for the female student who wishes to play com		IS 110a-d	SUPPLEMENTAL INSTRUCTION LEADERSH	IP 2 UNITS
	ollegiate tennis team competing against teammates and oth ents. This course may be repeated three times.	ier community	Hours:	1 Lecture/Discussion 3 Lab	
IA 16a-d	INTERCOLLEGIATE ATHLETICS	2 UNITS		exposes students to and gives them practice in effe al methods which may be applied to a variety of a	
IA Iba-u	VOLLEYBALL - WOMEN'S	2 01113	educational	setting on or off campus. Facilitated and supervised	by an experienced
Hours:	2 Lecture/Discussion 8 Activity			per, this is a repeatable course for students with high in I is especially good for those whose professional	
	r the female student who wants to continue her volleyball			is course may be repeated three times.	J
	giate level. The course involves daily practice as well as giate volleyball matches and tournaments.This course may		IS 150	INTRODUCTION TO TEACHING	2 UNITS
three times.			Hours:	1 Lecture/Discussion 2 Lab	
IA 23a-d		2 UNITS		3 Homework	
Hours:	TRACK AND FIELD 1 Lecture/Discussion			is an exploratory field experience course providing a d responsibilities fo public school teachers, the opera	
	9 Activity	 1.4 N1.4.	requirement	s for teaching and admission to a credential progra	m. Thirty-two hours
	designed for the athlete who is interested in competing in eld. The course involves daily practices as well as particip			sitation required. n Recommended Preparation: ENGL 360 or	equivalent college
	eets. Each meet consists of 12 running events and eigh I workouts are geared towards these individual events as w		course with Procedures	"C" or better, or eligibility for ENGL 251 determined	by COS Placement
physical fitn	ess. Intercollegiate track and field not only allows the stu	ident to better			
	elf as an individual athlete, but contribute to a team effort be repeated three times.	t as well. This	IS 220 Hours:	ORIENTATION FOR COLLEGE SUCCESS SHORT TERM CLASS (A total of 24 hours)	.5 UNIT
10. 24a d	CROSS COUNTRY	2 UNITS		6 Lecture/Discussion	
IA 24a-d Hours:	1 Lecture/Discussion	Z UNITS		3 Lab 3 Activity	
This class is	9 Activity designed for the athlete who is interested in competing in	Intercollegiate	This is a o	12 Homework purse for all new students designed to orient stud	lents to the college
Cross Coun	try. The course involves daily practices as well as particip	pation in cross	environment	and educational opportunities. The class includes pl	acement testing and
	ts. Each meet consists of a 4-mile run, therefore, all worked ning this distance. Intercollegiate Cross Country not or			n of results; introduction to academic procedures, p planning, college services, college facilities and ex	
	ete to better herself/himself as an individual athlete, but co as well. This course may be repeated three times.	ontributes to a		s for higher education. Students will develop an goals identified in the class.	educational plan to
			domete nic		
IA 29a-d Hours:	INTERCOLLEGIATE SWIMMING 1 Lecture/Discussion	2 UNITS	ļ	INTERIOR DESIGN	
	9 Activity		[
	designed for the athlete who is interested in competing in The course consists of daily practices and competition		INTD 121 Hours:	INTERIOR DESIGN FUNDAMENTALS 3 Lecture/Discussion	3 UNITS
	e goal of the program is to prepare participants to compete nunity college level. This course may be repeated three	•	Examination	and application of color and design principles, in	
				in creating functional and aesthetically pleasing ir tal regulations and barrier-free designs are also ad	
IA 30a-d Hours:	INTERCOLLEGIATE WOMEN'S SOCCER 2 Lecture/Discussion	2 UNITS		the psychological, social and physical needs of peol ts. Designed to meet F.I.D.E.R. standards.	ble in relation to their
	8 Activity			a. Designed to meet F.I.D.E.N. stanuards.	
	te Women's Soccer is designed for the student/athlete (won g in intercollegiate soccer. The course involves daily pra				
	on at the collegiate level through league games and tournar be repeated three times.	nent play. This	Į		
oouise may	so repeated arree arres.		L		

INTERDISCIPLINARY STUDIES

INTERIOR DESIGN

INTD 122	SPACE FUNDAMENTALS	3 UNITS
Hours:	1 Lecture/Discussion	
	6 Lab	
	2 Homework	

Examination, drafting and application of space planning, including electrical systems, lighting, architectural systems in creating functional and aesthetically pleasing environments. Emphasis is placed on the psychological, social and physical needs of people in relation to their environments. Designed to meet F.I.D.E.R. standards.

HISTORY OF FURNISHINGS INTD 124 **3 UNITS** Hours: **3** Lecture/Discussion

This course is a survey of historical period style furniture design. It includes the analysis of historical events and the relationship of such cultural factors as art, social class economics, government and religion to furniture styles.

JOURNALISM

JOUR 1	WRITING FOR THE MEDIA	3 UNITS
Hours:	3 Lecture/Discussion	
	2 Lab	
	4 Homework	

A comprehensive approach to learning the fundamentals of newswriting. The course covers all phases of production of news and feature stories. Source development, interviewing techniques, and writing, organizing, and editing a story for publication, as well as the development of news judgment, will be covered. CAN JOUR 2. Prerequisites: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures. Placement Testing requirement may be waived (see Matriculation Policies: Exemption Criteria for Assessment).

JOUR 7	MASS COMMUNICATIONS	3 UNITS
Hours:	3 Lecture/Discussion	
Crose Raf	GOVT 7	

Cross Ref: GOVT 7

A survey course covering media of mass communications, newspapers, radio, television, magazines, book publishing, films, and the recording industry. Students will study strengths and weaknesses of each medium, as well as the major challenges to a democratic soclety including censorship, sensationalism, pornography, propaganda, and monopoly. The course focuses on the interrelationship of mass media and society. CAN JOUR 4.

JOUR 103a-d	NEWSPAPER	PRODUCTION	4 UNITS
Hours:	2 Lecture		
	7 Lab		
	2. Managerer alle		

3 Homework

This course provides practical experience in all aspects of producing a newspaper through work on The Campus. The course content includes writing, editing, page layout, headline writing, and general editorial development. This course may be repeated three times.

Advisory on Recommended Preparation: ENGL 251, JOUR 1 or equivalent college course with "C" or better.

JOUR 104a-d	EDITORIAL BOARD	2 UNITS
Hours:	2 Lecture	
	1 ah	

This course provides advanced experience in all aspects of newspaper production. Students enrolled in the class are editors for The Campus. The course includes instruction in leadership techniques, editing, page design, and the legal aspects of newsgathering.

Advisory on Recommended Preparation: JOUR 1 and 103 or equivalent college courses with "C" or better.

JOUR 110a-d	PHOTO-JOURNALISM	3 UNITS
Hours:	2 Lecture/Discussion	
	3 Lab	
Cross Ref:	PHOT 110a-d	
Material Fee:	<u>\$20.00</u>	
	gned for students who would like practic / to publish their photographs in the sch	
Advisory On with "C" or be	Recommended Preparation: PHOT 1 etter.	or equivalent college course

JOURNALISM

JOUR 120 SOCIETY & CULTURE IN FILM/TV Hours: 3 Lecture 6 Homework

COMPUTATION

3-9 Lab

The study of how the mass medium of film and television treats ethnic, gender, political, and other social and cultural issues.

LEARNING SKILLS

1-3 UNITS

3 UNIT

Designed for the student with learning deficits in computation. Remediation plans will be based on assessment of individual need and learning style. Instruction may include one-to-one, small group, computer-assisted, or larger group instruction. Students who have a history of learning deficits or low scores on the placement test can be referred to the class but must be evaluated first and qualify as learning disabled. This course may be repeated three times.

Advisory On Recommended Preparation: Individual assessment must be conducted to professionally verify the nature and extent of the disability and the student must meet state-wide LS eligibility criteria.

LS 302a-d EXPRESSION 3-9 | ab

LS 301a-d

Hours:

Hours: Designed for the student with learning deficits in written expression of ideas, including difficulties with organization of ideas, clarity, grammar, punctuation and word usage. Instruction may include one-to-one, small group, computer-assisted or larger group instruction. Students who have a history of learning deficits or low scores on the written portion of the COS placement test can be referred to the class, but must be evaluated first and qualify as learning disabled. This course may be repeated three times. Advisory On Recommended Preparation: Individual assessment must be conducted to professionally verify the nature and extent of the disability and the student must meet state-wide LS eligibility criteria.

LS 303a-d DECODING/LANGUAGE Hours: 3-9 Lecture/Discussion

1-3 UNITS

1-3 UNITS

1-3 UNITS

Designed for the student with learning deficits in reading/language skills. Remediation plans will be based on assessment of individual needs and learning style. Instruction may include one-to-one, small group, computer-assisted or larger group instruction. Students who have a history of learning deficits or low scores on the written portion of the COS placement test can be referred to the class, but must be evaluated first and qualify as learning disabled. This course may be repeated three times.

Advisory On Recommended Preparation: Individual assessment must be conducted to professionally verify the nature and extent of the disability and the student must meet state-wide LS eligibility criteria.

LS 304a-d ORGANIZATION

Hours: 3-9 Lecture/Discussion

Designed for the student with study skills needs and/or tutoring needs for mainstream classes. A structured study skills program covering outlining, organization, notetaking skills and application of these skills, along with a secluded, quiet study area including instruction in word processing will be provided. Instruction may include on-to-one, small group, computer assisted or larger group instruction. Students who have a history of learning deficits or low scores on the written portion of the COS

placement tests can be referred to the class, but first must be evaluated and qualify as learning disabled. This course may be repeated three times. Advisory On Recommended Preparation: Individual assessment must be

conducted to professionally verify the nature and extent of the disability and the student must meet state-wide LS eligibility criteria.

Course Descriptions

LEARNING SKILLS

LS 305a-d	SEQUENCING	1-3 UNITS	LIBR 101	LIBRARY RESEARCH STRATEGIES	1 UNIT
Hours:	3-9 Lecture/Discussion		Hours:	SHORT TERM CLASS (A total of 6 weeks)	
	the student with deficits in sequencing and spelling.			18 Lecture/Discussion	
	d on assessment of individual need and learning st			36 Homework hours	
	to-one, small group, computer assisted or large			FOR DISTANCE LEARNING	
	o have a history of learning deficits or low scores o			offers instruction and practice in the use of print and e	
	placement tests can be referred to the class, but firs			poks, periodical indexes, and other library materia	ais, based on an
	as learning disabled. This course may be repeated On Recommended Preparation: Individual as:		understandin	g of research problem analysis.	
	professionally verify the nature and extent of the disa		LIBR 102	INTERNET INFORMATION RESOURCES	1 UNIT
	state-wide LS eligibility criteria.	bling and the student	Hours:	SHORT TERM CLASS (A total of 6 weeks)	
must meet a	state-wide Lo engibility chiend.		nours.	16 Lecture/Discussion	
LS 306	LEARNING SKILLS/ASSESSMENT	.5 UNITS		32 Homework hours	
Hours:	SHORT TERM CLASS (Total Hours 27)		Internet Info	rmation Resources is an introductory course teaching	a students how to
	9 Lecture/Discussion			te and evaluate Internet information especially the Wo	
	18 Homework			e as well as for research papers.	
This course	introduces students to individualized strategies that	will assist them with			
achieving a	cademic success in college. Assessments admin	istered will provide	LIBR 103	EVALUATING INFORMATION SERVICES	1 UNIT
students with	information regarding learning styles, acdemic streng	ths and weaknesses,	Hours:	SHORT TERM CLASS (Total Hours 48)	
and determ	ine eligibility for learning disabilities services. T	his course may be		16 Lecture/Discussion	
repeated thr				32 Homework hours	
	on Enrollment: Students must obtain approval	from the Disability		teaches students how to determine the information re-	
Resource C	enter to enroll in this course.			stion, problem, or issue at hand, and how to analyze ar	
	ATUNENT AUAAFAA ATEATA	6 UNITO		ic information sources, with special attention to eval	
LS 307a-d	STUDENT SUCCESS STRATEGIES	.5 UNITS	treatment of	information received from the Internet and the mass	media.
Hours:	SHORT TERM CLASS (Total Hours 24) 4 Lecture/Discussion		LIBR 201	INTRODUCTION TO LIBRARIES	2 UNITS
	12 Lab		Hours:	SHORT TERM CLASS (Total Hours 96)	2 01113
	8 Homework		nours.	32 Lecture/Discussion	1
Cross Ref	: HDEV 307a-d			64 Homework hours	
	is for students who have a verifiable disability. It is	designed to provide	Library 201	is an introduction to the changing field of Library Scie	ence, including the
	with individualized instruction regarding strategies a			of library service, the history and types of libraries, a	
for textbook	reading, vocabulary development, notetaking, test	taking, organization,		lia Technician. Basic skills necesssary for employme	
time manage	ement, conducting research and writing papers, whic	h are requisite skills	library will I	be covered.	
for success	in regular academic and vocational courses. T				
repeated thr	ee times.		LIBR 202	COLLECTION DEVELOPMENT	2 UNITS
Limitation	on Enrollment: Students must receive services fr		LIBR 202 Hours:	SHORT TERM CLASS (Total Hours 96)	2 UNITS
Limitation				SHORT TERM CLASS (Total Hours 96) 32 Lecture/Discussion	2 UNITS
Limitation or obtain ap	on Enrollment: Students must receive services fr proval from DRC Counselor to enroll in this course	9.	Hours:	SHORT TERM CLASS (Total Hours 96) 32 Lecture/Discussion 64 Homework hours	
Limitation or obtain ap LS 308a-d	on Enrollment: Students must receive services fr proval from DRC Counselor to enroll in this course INSTRUCTIONAL SUPPORT		Hours: Library 202 v	SHORT TERM CLASS (Total Hours 96) 32 Lecture/Discussion 64 Homework hours will cover an introduction to the publishing industry, prin	ciples of collection
Limitation or obtain ap LS 308a-d Hours:	on Enrollment: Students must receive services fr proval from DRC Counselor to enroll in this course INSTRUCTIONAL SUPPORT 3-9 Lab	e. 1-3 UNITS	Hours: Library 202 v developmen	SHORT TERM CLASS (Total Hours 96) 32 Lecture/Discussion 64 Homework hours will cover an introduction to the publishing industry, prin t, bibliographic searching, accounting and budgeti	ciples of collection ing principles, an
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LIBRARY

LIBRARY

LIBR 205 LIBRARY MEDIA SERVICES 2 UNITS Hours: SHORT TERM CLASS (Total Hours 96) 32 Lecture/Discussion 64 Homework hours

Library 205 provides in-depth study of a wide variety of media services and materials within a library setting including the Internet, compact disk, laser disk, telecommunications, video, and hypermedia. Students will learn programming using media and processing and circulating methods. Intellectual freedom, censorship, privacy, and copyright issues will also be presented.

Advisory on Recommended Preparation: LIBR 201 and LIBR 203 or equivalent college course with a grade of "C' or better.

LIBR 206 PUBLIC SERVICES/REFERENCE	3 UNITS
Total Hours: SHORT TERM CLASS (Total Hours 144)	
48 Lecture/Discussion	

96 Homework hours

Library 206 covers library circulation systems, bibliographies, standard print and computer based reference, patron service skills, volunteer recruiting and supervising, library promotion, and handling of problem patrons.

Advisory on Recommended Preparation: LIBR 201 or equivalent college course with a grade of "C' or better.

LIBR 223a-b COLLEGE LEVEL TUTOR TRAINING 1 UNIT Hours: SHORT TERM CLASS (Total Hours 18 - 6 weeks) 18 Lecture/Discussion

This short term course exposes students to and gives them practice in effective individual and group tutorial methods which may be applied to a variety of subject areas. Repeatable once, this course is designed to be taken concurrently with handson work as a college tutor. This course may be repeated one time.

Advisory on Recommended Preparation: Skill competencies as determined by departmental assessment.

LIBR 423 TUTOR TRAINING 0 UNITS Hours: 3 Class Sessions Noncredit and No Grade Received

This course is for students who have demonstrated mastery of content in one or more college courses and are eligible to serve as tutors. This course is designed to develop basic skills needed to function successfully as a tutor.

LIBR 424	SUPERVISED TUTORING	0 UNITS
Hours:	Up to 2 Hours per week per subject	
AL		

Noncredit and No Grade Received

This course is designed to provide students with tutorial assistance. Tutees may work either individually or in small groups. They may work with computer programs developed specifically to meet their needs or they may work with tutors who have been recommended by faculty as having achieved a degree of proficiency in the area they are tutoring.

LINGUISTICS

LING 10	INTRODUCTION TO LANGUAGE	3 UNITS
Hours:	3 Lecture/Discussion	
	6 Homework	

The systematic study of language, including its nature, history, structure, acquisition, and use. Goals of course: to impart an understanding of the importance of language in humans' social and cultural affairs; to develop an appreciation for its diversity and complexity.

Advisory on Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

MATHEMATICS

Course Descriptions

MATH 15 COMPUTER SCIENCE 1 Hours: 3 Lecture/Discussion

Materials Fees: \$2.00

Introduction to structured programming and algorithm design using the FORTRAN language, including data types, program design, conditional control structures, looping, subroutines and functions. The emphasis will be on using the computer as a problem-solving tool. CAN CSCI 4

Prerequisites: MATH 70 or equivalent college course with "C" or better, or eligibility for MATH 61 or 75 determined by COS Placement Procedures.

MATH 16	COMPUTER SCIENCE 1 - PASCAL	3 UNITS
Hours:	3 Lecture/Discussion	
	6 Homework	

Materials Fee: \$2.00

Introduction to structured programming and algorithm design using the language of Pascal, incuding data types, program design, conditional control structures, looping, and subprograms. The emphasis will be on using the computer as a problem-solving tool.

Advisory on Recommended Preparation: MATH 70 or equivalent college course with "C" or better, or eligibility for MATH 61 or 75 determined by COS Placement Procedures (at a minimum, MATH 70 should be taken concurrently).

MATH 18	COMPUTER SCIENCE 2 - C	3 UNITS
Hours:	3 Lecture/Discussion	
	6 Homework	

Materials Fee: \$2.00

Introduction to structure programming and algorithm design using the "C" language, including discrete and dynamic data structures, program design, efficiency and testing, recursion, and search/sort algorithms. The emphasis will be on using the computer as a problem-solving tool.

Prerequisite: MATH 15, MATH 16, or equivalent college course with "C" or better.

MATH 21	INTRODUCTION TO STATISTICS	4 UNITS
Hours:	4 Lecture/Discussion	
	8 Homework	

Materials_Fees: \$2.00

APPROVED FOR DISTANCE LEARNING

An introductory course in probability and statistics for social and physical science majors, also appropriate for those who wish to learn statistical data analysis. Extensive use of computers will be made throughout the course. Distance learning option available. CAN STAT 2

Prerequisites: MATH 230 or equivalent college course with "C" or better; or eligibility determined COS Placement Procedures. Placement Testing requirement may be waived (see Matriculation Policies; Exemption Criteria for Assessment).

MATH 45 MODERN APPLICATIONS OF 3 UNITS MATHEMATICS Hours: 3 Lecture/Discussion 6 Homework

This course is designed to fulfill the CSU mathematics/quantitative reasoning general education requirement. The emphasis is on providing an overview of the practical applications of mathematics, and is designed primarily for non-science majors. Topics vary by instructor. CAN MATH 2.

Prerequisite: MATH 230 or MATH 235 with a grade of "C" or better; or eligibility determined by COS Placement Procedures. Placement Testing requirement may be waived (see Matriculation Policies: Exemption Criteria for Assessment).

 MATH 61
 SURVEY OF CALCULUS 1
 3 UNITS

 Hours:
 3 Lecture/Discussion
 3 UNITS

A first semester course in a two semester sequence of differential and integral calculus for the business, industrial technology, biology, or social science major. It is also appropriate for those interested in acquiring an intuitive understanding of calculus. Topics include algebraic, exponential and logarithmic functions; limits, differentiation, the differential, and definite and indefinite integrals. Applications include graphing, optimization, related rates and average value with many example of the utility of calculus taken from biology and economics. CAN MATH 30.

Prerequisites: MATH 70 or equivalent college course with "C" or better, or eligibility determined by COS Placement Procedures. Placement Testing requirement may be waived (see Matriculation Policies: Exemption Criteria for Assessment).

3 UNITS

MATHEMATICS

MATH 62 SURVEY OF CALCULUS 2 Hours: 3 Lecture/Discussion

A second semester course in a two-semester sequence in differential and integral calculus for the business, industrial technology, biology, or social science major. Topics include: differentiation and integration of the exponential and logarithmic functions and of trigonometric functions; further integration techniques; applications of the integral to biology and economics; the calculus of functions of several variables; differential equations; sequences and series; probability; approximation techniques in calculus. CAN MATH 32.

Prerequisite: MATH 61 or equivalent college course with "C" or better.

MATH 70 PRECALCULUS 5 UM Hours: 5 Lecture/Discussion

This is a college algebra and advanced trigonometry course which proceeds at an intense pace. Topics include: functions and graphs, applications of functions, exponential and logarithmic functions, trigonometric functions and analytic trigonometry, right-triangle trigonometry and vectors, systems of equations, analytic geometry, and roots of polynomial equations. This course is intended for students planning to take calculus. CAN MATH 16.

Prerequisites: MATH 154 or equivalent college course with "C" or better, or eligibility determined by COS Placement Procedures. Placement Testing requirement may be waived (see Matriculation Policies: Exemption Criteria for Assessment).

MATH 75 CALCULUS WITH 5 ANALYTIC GEOMETRY 1 Hours: 5 Lecture/Discussion 10 Homework

This is the first calculus course of a three semester sequence. Topics include limits, differentiation, integration and continuity of algebraic, trigonometric, inverse trigonometric, and hyperbolic functions. Applications include exponential growth, related rates, graphing, extrema, area, volume, work, and average value... CAN MATH 18. **Prerequisites:** MATH 70 or equivalent college course with "C" or better, or eligibility determined by COS Placement Procedures. Placement testing requirement may be waived (see Matriculation Policies: Exemption Criteria for Assessment).

MATH 76	CALCULUS WITH	5 UNITS
	ANALYTIC GEOMETRY 2	
Hours:	5 Lecture/Discussion	
	10 Homework	

This is the second calculus course of a three semester sequence. Topics include techniques of integration, improper integrals, infinite series, analytic geometry, polar coordinates and parametric equations, vectors, and three-dimensional space. Numerous applications will be covered. CAN MATH 20.

Prerequisites: MATH 75 or equivalent college course with "C" or better.

MATH 77 CALCULUS WITH 3 UNITS ANALYTIC GEOMETRY 3 Hours: 3 Lecture/Discussion

This course is the third semester of the introductory calculus sequence. Topics covered include differentiation and integration of vector-valued functions, partial differentiation, directional derivatives, Lagrange Multipliers, multiple integration with application to surface area, centroids and centers of gravity, and Green's, Stoke's, and Divergence Theorem. Math 77 is designed for majors including mathematics, science, and engineering. It is also appropriate for those individuals interested in mathematics related professional fields. CAN MATH 22.

Prerequisites: MATH 76 or equivalent college course with "C" or better.

MATH 80 LINEAR ALGEBRA 3 UNIT Hours: 3 Lecture/Discussion

Introduction to linear algebra including systems of linear equations, vectors, matrices and determinants, two- and three-dimensional vectors, vector spaces, linear transformations, eigenvalues and eigenvectors, and canonical forms. CAN MATH 26.

Prerequisites: MATH 62 or MATH 76 with "C" or better.

		MATHEMATICS	
3 UNITS	MATH 81	DIFFERENTIAL EQUATIONS	5 UNITS
differential and integral or social science major. onential and logarithmic chniques; applications of ons of several variables; pproximation techniques "C" or better.	including mat difference equ value problem Prerequisites	5 Lecture/Discussion In to the methods of solving of ordinary and partial dif trix solutions of linear systems, Laplace transforms Jations, separation of variables in partial differential ed ins and Fourier series. CAN MATH 24. Image: MATH 77 or equivalent college courses with "C Recommended Preparation: MATH 80 or equival etter.	, series solutions, quations, boundary " or better.
5 UNITS	MATH 110 Hours:	STRUCTURE AND CONCEPTS 1 4 Lecture/Discussion 8 Homework	4 UNITS
e which proceeds at an pplications of functions, and analytic trigonometry, s, analytic geometry, and students planning to take	sets and fund and real num arithmetic rel Prerequisite :	unit course intended for liberal studies major, coveri- ctions, numeration and computation, number theory, nbers. The emphasis of this course is in mathemati evant to future elementary school teachers. s: MATH 230 or MATH 235 or equivalent college gibility determined by the COS Placement procedur	rational numbers, ical foundations of course with "C" or
"C" or better, or eligibility Testing requirement may a for Assessment).	MATH 111 Hours:	STRUCTURE AND CONCEPTS 2 4 Lecture/Discussion	4 UNITS
5 UNITS ce. Topics include limits, tric, inverse trigonometric,	statistics, pro coordinate ge to future elen requirements	8 Homework ur-unit course continuing the topics from MATH 1- bability, geometry, measurement, transformations, cometry. The emphasis of this course is in mathemati- nentary school teachers. This course is designed to r of the liberal studies programs at specific CSU can s: MATH 110 or equivalent college course with "C	congruence, and ical topics relevant neet only the math mpses.
al growth, related rates, Je CAN MATH 18.	MATH 154	TRIGONOMETRY	3 UNITS
"C" or better, or eligibility ting requirement may be or Assessment). 5 UNITS	trigonometric identities, gr. complex num Prerequisite determined b	3 Lecture/Discussion e one-semester course in the elements of trigon functions, solving trigonometric equations, and expin aphing, solving trigonometric equations, and expin bers in trigonometric form. CAN MATH 8. s: MATH 230 or equivalent college course with "C" or by COS Placement Procedures. Recommended Preparation: High school geometric	wing and applying ressing and using better, or eligibility
equence. Topics include analytic geometry, polar	in both seme		
ree-dimensional space.). h "C" or better.	MATH 200 Hours:	ELEMENTARY ALGEBRA 4 Lecture/Discussion 8 Homework	4 UNITS
3 UNITS culus sequence. Topics valued functions, partial multiple integration with	covering: fun factoring, rat Advisory Or	ur-day-a week intensive one-semester course in e damental operations, linear equations and inequalitit lonal expressions, graphing and exponents. In Recommended Preparation: MATH 360 or MA alent college course with "C" or better, or eligibility d rocedures.	es, word problems, TH 365 or, MATH
y, and Green's, Stoke's, s Including mathematics, Individuals Interested In	MATH 201 Hours:	INTERMEDIATE ALGEBRA PREPARATION SHORT TERM CLASS - 4 weeks in the Summ 56 Lecture/Discussion 24 Lab	4 UNITS er
h "C" or better. 3 UNITS Jations, vectors, matrices , vector spaces, linear plant forme	prepare for i understandin algebra. Advisory O	112 Homework ur-week intensive summer course designed for inco- ntermediate algebra. Course is appropriate for stud- g of elementary algebra, but need a refresher before n Recommended Preparation: Eligibility determediate	ents who have an taking intermediate
nical forms.	Placement F Limitation o	roceoures. In Enrollment: Students must participate in the S	MART Project.

MATHEMATICS

Course	Descr	iptions
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4 UNITS

MATHEMATICS

MATH 205 Hours:	BEGINNING ALGEBRA 5 Lecture/Discussion 10 Homework	Hour		PRE-ALGEBRA 4 Lecture/Discussion fundamental operations with whole no	umbers, fractions, r	4 UNITS
fundamental rational expre need more ti Advisory on	re-day-a-week, one-semester course in beginning algeb operations, linear equations and inequalities, word problen essions, graphing, and exponents. This course will benefit s ne on task, student-to-teacher contact, and a slower paced a Recommended Preparation: MATH 360 or MATH 365 of se with "C" or better; or eligibility determined by COS	ra covering: decim is, factoring, divisit tudents who meas environment. algeb or equivalent stude Placement Advis	nals, and pility, ra urement ra persp nts who sory O	their use in applied problems. Other to tio, proportion, introductory algebra, is, and signed numbers. All arithmeti ective. Math 360 is a non-degree app need a firmer grasp of arithmetic c n Recommended Preparation: In rocedures. The Placement Test recommended	opics include factors percent, metric un ic topics will be tau licable arithmetic co oncepts and skills. Recommendation	s and multiples, nits, geometric ight with a pre- ourse to benefit through COS
MATH 210 Hours:	ELEMENTARY ALGEBRA 1 2 SHORT TERM CLASS: (A total of 8 weeks) 40 Lab	UNITS MATH Hour	1 361 s:	ELEMENTARY ALGEBRA PREP SHORT TERM CLASS (Total Hou SUMMER COURSE		4 UNITS)
	ntensive course in elementary algebra (part 1) covering inear equations and inequalities, systems of equations, gr ms.	aphing, and		56 Lecture/Discussion 24 Lab 112 Homework		
Advisory Or	Recommended Preparation: MATH 360 or 365 or equiv. C" or better, or eligibility determined by COS Placements	Procedures. stude appro	nts. It is priate fo	a non-degree applicable, pre-algebu a rigorous four-week course offeren or students who are familiar with ari	d only in summer. thmetic and possib	This course is bly some basic
MATH 215 Hours:	ELEMENTARY ALGEBRA 2 2 SHORT TERM CLASS: (A total of 8 weeks) 40 Lab hours	algeb Advis	ra. sory on	who have not mastered the topics well Recommended Preparation: Eligibili	Ū	
expressions,	tensive course in elementary algebra (part 2) covering facto exponents, radicals, and word problems. : MATH 210 with "C" or better.	Limit		n Enrollment: Students must partic		-
MATH 230 Hours:	INTERMEDIATE ALGEBRA 4 4 Lecture/Discussion	UNITS Hour		ARITHMETIC AND PRE-ALGEBI 5 Lecture/Discussion 10 Homework		4 UNITS
quadratic ec polynomials, and graphing Prerequisite	8 Homework one-semester course in intermediate algebra covering juations and inequalities in one and two variables, ope rational expressions, exponents, radicals, logarithms, wo J. : MATH 200 or 201 or 205, or equivalent college course tter, or eligibility determined by COS Placement Procedure	t linear and who were trations with stude environ and trate and trade and tr	need a nts who onment. sory o	a non-degree applicable pre-algebra firmer grasp of arithmetic concepts a need more time on task, student to te It requries a minimum of 10 hours of n Recommended Preparation: F rocedures. The Placement Test requ	and skills. This cou acher contact, and f study per week of Recommendation	rse will benefit a slower paced utside of class. through COS
MATH 235	MATHEMATICS FOR MATH-RELATED 4 MAJORS	UNITS		METEOROLO	GY	
covering: line polynomial, r and graphing engineering, Prerequisite course with Procedures.	5 Lecture/Discussion o one-semester course in college algebra and elementa ear and quadratic equations and inequalities in one and tw ational, exponential, radical, and logarithmic functions; prot g. This course is intended for students planning on a r or science major. : Completion of MATH 200 or 205 or MATH 201 or equiv. a grade of "C" or better, or eligibility determined by COS	vo variables; An ini blem-solving, that u nathematics, temph alent college S Placement by ex Advis	s: troducto inderlie erature, e weath asis is p amining ory On	ELEMENTARY METEOROLOGY 3 Lecture/Discussion ry course designed to provide insights the phenomena of weather and clima humidity, condensation, precipitation er, forecasting, air pollution, atmosp blaced on understanding current mete the relationship between man and Recommended Preparation: ENGL titer, or eligibility for ENGL 1 determine	te. Topics Include a, air pressure, win- heric optics, and c orological-environm the atmosphere. 251 or equivalent	solar radiation, nd, air masses, ilimatology. An nental problems college course
MATH 351 Hours:	SHORT TERM CLASS - 4 week Summer Course 56 Lecture/Discussion 24 Lab	UNITS and M	ATH 20	0, 205, or 215 or equivalent college co 0 determined by COS Placement P	ourse with "C" or be	
	112 Homework a non-degree applicable, arithmetic course designed f a four-week course offered only in summer. This course is					

for students who need more emphasis on the fundamental arithmetic topics than is allowed for In Math 360. Topics include whole numbers, decimals, and fractions. Advisory on Recommended Preparation: Eligibility determined by COS Placement Limitation on Enroliment: Students must participate in the SMART Project.

Procedures.

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MUSIC

MUS 1 MUSIC FUNDAMENTALS Hours: 3 Lecture/Discussion This is a course designed for the non-major, the elementa teaching credential candidate, and the music major who see prior to beginning the Comprehensive Musiclanship sequence of music are included: pitch and rhythm notation, scales, ma key signatures, transposition, intervals, chords, element introduction to the keyboard.	eks remedial instruction ce. The basic elements ajor and minor keys and	enjoyment o survey of mo	APPRECIATION OF MUSIC HISTORY AND LITERATURE 3 Lecture/Discussion aid the average student in developing a better understa f music. Includes (1) the elements of music, and (2) a usic and composers from the Middle Ages to the present. ning is necessary.
introduction to the keyboard.		MUS 11	APPRECIATION OF JAZZ
MUS 4 COMPREHENSIVE MUSICIANSHIP I	5 UNITS	Hours:	3 Lecture/Discussion
Hours: 5 Lecture/Discussion			aid the average student in developing a better under
Integrated approach to the study of music theory and the devel			f jazz and music in general. Includes (1) the elements o
This includes the study and analysis of melody, rhythm, an		•	I survey of jazz performers and composers from the 1890's in ntroduction to the beginnings of rock and country music.
and the development of ear training, sightsinging, and keyboa approach of this course is designed to encourage practical a			niroduction to the beginnings of fock and country music.
concepts. CAN MUS 2.	application of theoretical	MUS 13	MUSIC OF THE WORLD
Advisory On Recommended Preparation:: MUS 1 or eq	uivalent college course	Hours:	3 Lecture/Discussion
with "C" or better; and instrumental or vocal performance a	and/or class piano.		the traditional and popular musics of the world. It begins ants of music, and continues with a survey of musical gen
MUS 5 COMPREHENSIVE MUSICIANSHIP II	5 UNITS		cas, Sub-Saharan Africa, Northern Africa and the Middle
Hours: 5 Lecture/Discussion			ne Pacific Islands. Various fusions of these regional sl
Integrated approach to the study of music theory and the deve		discussed.	
This includes the structural elements of music, primarily harm		MUS 20	PIANO 1
and the development of ear training, sightsinging, and keyboa approach of this course is designed to encourage practical a	• r	Hours:	1 Lecture/Discussion
concepts. CAN MUS 4.	approacion of theoretical		1 Lab
Prerequisite: MUS 4 or equivalent college course with "C" or	better; and instrumental	Designed for	the student who has had no previous piano training. Stud
or vocal performance and/or class piano.		•	enabling them to read music and identify musical symbols epertoire by various composers in all periods of music. The
MUS 6 COMPREHENSIVE MUSICIANSHIP III	5 UNITS		finger/dexterity skills in musical exercises, such as scales,
Hours: 5 Lecture/Discussion		finger, wrist	, hand muscles.
I have a set of a second set of the set of the set of the set of the second second second set of the second set of the second seco	a la mana a se de la del se de la serie de la serie de la del		

Integrated approach to the study of music theory and the development of musical skill. This includes a historical-analytical-compositional approach to the music of the 16th, 18th, and 19th Centuries-with an emphasis on the contrapuntal styles of Palestrina and Bach, and the chromatic harmony of the 19th Century-along with ear training, sightsinging, and keyboard musicianship. The integrated approach of this course is designed to encourage practical application of theoretical concepts.

Prerequisite: MUS 5 or equivalent college course with "C" or better; and instrumental or vocal performance and/or class plano,

MUS 7 COMPREHENSIVE MUSICIANSHIP IV **5 UNITS** Hours: 5 Lecture/Discussion

This course is designed primarily for music majors, and is the fourth semester in a 2-year program. (MUS 4, 5, & 6 precede it.) Like these three earlier courses, it is an integrated approach to the study of music theory and the development of musical skills. MUS 7 involves the formal analysis of the music of Haydn, Mozart, Beethoven, and others. Selected compositions by the following composers serve as models for student compositions: Wagner, Wolf, Debussy, Stravinsky, Bartok, Schoenberg, Webern; and the contemporary composers Cage, Reich, and Glass. The integration of the ear training, sightsinging, and keyboard components of the course is designed to encourage practical application of theoretical concepts.

Advisory on Recommended Preparation: MUS 6 or equivalent college course with "C" or better; and instrumental or vocal performance and/or class piano.

MUS 8a-b ORCHESTRATION **3 UNITS 3 Lecture/Discussion** Hours:

Ranges, transpositions, technical capabilities, and idiomatic writing for the instruments of the orchestra. Analysis of 18th, 19th, and 20th Century scores, and assignments in scoring for selected instrumental combinations. Different topics will be covered and different projects will be assigned in alternate semesters so that the course may be repeated without duplication. This course may be repeated one time. Advisory On Recommended Preparation: MUS 4 and 5 or equivalent college courses with "C" or better.

MUSIC

	MUS 10	APPRECIATION OF MUSIC HISTORY AND LITERATURE	3 UNITS
ŀ	Hours:	3 Lecture/Discussion	
l	Designed to a	aid the average student in developing a better u	nderstanding and an
ľ	enjoyment of	music. Includes (1) the elements of music, and	1 (2) a chronological
	survey of mu	sic and composers from the Middle Ages to the p	resent. No previous
	mueical traini		

MUS 11	APPRECIATION OF JAZZ	3 UNITS
Hours:	3 Lecture/Discussion	
.		

lerstanding and of music, (2) a 's to the present,

3 UNITS

ins with a study enres and styles e East, Europe, styles are also

MUS 20	PIANO 1	1 UNIT
Hours:	1 Lecture/Discussion	
	1 Lab	

udents will learn Is on sight while The student will s, to strengthen

MUS 21	PIANO 2	1 UNIT
Hours:	1 Lecture/Discussion	
	1 ah	

Designed for the student who has had one semester previous plano training. Students will learn specific skills enabling them to read music and identify musical symbols on sight while performing repertoire by various composers in all periods of music. The student will also perform finger/dexterity skills in musical exercises to strengthen finger, wrist and hand muscles at a higher level of learning of skill and activity. Advisory On Recommended Preparation: MUS 20 or equivalent college course with "C" or better, or one year of private plano instruction.

MUS 22a-d	INTERMEDIATE/ADVANCED PIANO	1 UNIT
Hours:	2 Lecture/Discussion	
	1 Lab	

Designed for the intermediate planist who has had prior instruction. Students will learn specific skills enabling them to read music and identify musical symbols on sight. Students will also learn and acquire knowledge of the development of the piano through different periods of history to the present in our country as well as foreign countries. This course may be repeated three times.

Advisory On Recommended Preparation: MUS 21 or equivalent college course with "C" or better, or more than one year of private piano instruction.

MUS 23a-d	ORGAN 1, 2, 3 AND 4	1 UNIT
Hours:	2 Lecture/Discussion	
	1 Lab	

MUS 23a-d is a course designed for the student who has had at least one year private instruction on a keyboard instrument, such as piano, organ or accordion. Students will learn specific musical symbols on sight while performing repertoire by various composers in the areas of theatre, classical or liturgical organ music. The student will also perform finger/dexterity skills in musical exercises, such as scales and arpeggios on both manual and pedal keyboards, to strengthen finger, wrist, foot, ankle, and hand/foot body muscles. This course may be repeated three times.

Limitation On Enrollment: Audition by department; intended for students with one year keyboard in either plano, organ or accordian.

MUSIC

Course Descriptions

MUSIC

MUS 30a-d Hours:	1 Lecture/Discussion	1 UNIT	MUS 52a-d Hours:	STRING ORCHESTRA 2 Lab	1 UNIT
Okudiaa in tha	1 Lab 1 Homework	company of cipring designed to	interpretation,	performance of string orchestra reperto tone, technique, and general effect. Pla	anned for those interested in
help the indivi		components of singing, designed to and develop solo vocal repertoire.	This course Limitation O	ir musicianship. Some outside or public nay be repeated three times. n Enrollment: Audition by department; int	
Hours: Studies in the		1 UNIT components of singing, designed to is a continuation of MUS 30a-d, and	Hours:	YOUTH SYMPHONY OF THE SEQUO 1 Lecture/Discussion 2 Lab 3 Homework	
will require the Emphasis will may be repea	at the student has good singing an be placed upon singing in Italian, ted three times. Recommended Preparation:	d musical skills already established. , German, and English. This course MUS 30a-d or equivalent college	orchestral lite Orchestral wo	nd performance of full symphonic musi rature from many cultures and historical pe orks are chosen to enhance and develop th punger, less experience orchestral mus e times.	riods are analyzed in context. he knowledge and performing
MUS 32a-d Hours:	WOMEN'S CHORUS 2 Activity	1 UNIT	MUS 54a-d Hours:	SYMPHONY ORCHESTRA 1 Lecture/Discussion 2 Lab	2 UNITS
the Renaissan balance and	nce to Contemporary emphasis or	horal literature for treble voices from vocal production and tone quality, accuracy. Participation in public repeated three times.	of orchestra	d performance of symphonic music. Inter instruments. This course may be repeate in Enrollment: Audition with departme	d three times.
MUS 34a-d Hours: Materials Fee	CONCERT CHOIR 2 Lecture/Discussion 3 Lab 1 Homework • \$500	2 UNITS	Hours: Beginning Cla fundamentals	BEGINNING CLASSICAL GUITAR 2 Lab assical Guitar, MUS 55a-b, is designed to of solo classical guitar playing and specifi chnique for both hands. This course may	cally to develop note-reading
MUS 34a-d of to Contempor blend, and m required. The	fers a study and the performance of ary with emphasis on vocal produ		with the funda	INTERMEDIATE CLASSICAL GUITA 2 Lab 1 Homework Classical Guitar, MUS 56a-b, is designed amentals of solo classical guitar playing and	to further familiarize students I specifically, to develop note-
MUS 36a-d Hours:	CHAMBER SINGERS 2 Lecture 3 Lab 1 Homework	2 UNITS	The course i	y up to the fifth position and more comple s repeatable one time. Recommended Preparation: MUS 55a etter.	·
techniques ar repeated three	nd performance with experienced vertimes.	ment for study of choral literature, vocal students. This course may be	Hours:	ADVANCED CLASSICAL GUITAR 6 Lab assical Guitar, MUS 57a-d, is designed to f	2 UNITS
MUS 40a-d	n Enrollment: Audition by depa	artment. 1 UNIT	note-reading hands. This	and ensemble classical guitar literature ability up to the ninth position and more course may be repeated three times.	advanced technique for both
Hours:	2 Lab 1 Homework			recommended Preparationt: MUS 56a etter or, equivalent skills as determined t	· ·
groups enserr arranged for t	bles such as band, chorus, orches hose wishing to participate but are	Is, rallies, musicals, concerts, or in stra, and jazz ensemble. Hours are unable to meet the regular schedule. burse may be repeated three times.	MUS 60a-d Hours:	BRASS INSTRUMENTS 1 Lecture/Discussion 1 Lab	1 UNIT
•	n Enrollment: Audition by dep STRING INSTRUMENTS 1 Lecture/Discussion		Emphasis wi playing posit	provides beginning instruction on instru l be on care of instruments, tone product ion. This course may be repeated three	ion, breathing technique and times.
This course p	1 Lab rovides beginning instruction on ins	struments of the string family. These	ments.	n Recommended Preparation: Knowle	age of one or more instru-
		will be on care of instruments, tone tion. This course may be repeated	MUS 61a-d Hours:	PERCUSSION INSTRUMENTS 1 Lecture/Discussion 1 Lab	1 UNIT
			Emphasis will and playing	brovides beginning instruction on instrume be on the care of instruments, tone produ position. This course may be repeated th n Recommended Preparation: Knowle	iction, proper grips, technique hree times.

MUSIC

MUS 62a-d Hours: This course p	WOODWINDS INSTRUMENTS 1 Lecture/Discussion 1 Lab provides beginning instruction on instruments of the	1 UNIT	MUS 90a-d Hours:	COLLEGE COMMUNITY CHORUS 1 Lecture 1 Lab 1 Homework	1 UNIT
These include care of instru- playing posit	e, flute, clarinet, oboe, saxophone and bassoon. Em uments, tone production, embouchure developmen ion. This course may be repeated three times. Recommended Preparation: Knowledge on one	phasis will be on t, technique and	study and the with particula	munity Chorus is open to all interested singers. The performance of choral literature from the Renaissance to r emphasis on the major choral works of the Bard d Contemporary periods. Evening rehearsals. This	to Contemporary oque, Classical,
MUS 63a-d Hours:	1 Lecture/Discussion 1 Lab	1 UNIT	Hours:	REHEARSAL AND PERFORMANCE LAB SHORT TERM CLASS (8 weeks , 15 hrs. per w 120 Activity	
paid to tone, musicians inte outside trave	performance of Percussion Ensemble repertory with technique, musicianship, and overall musical effe erested in improving their musicianship and performa I, field trips, and public performances are require sicians of percussion instruments. This course may b	ct. Planned for ince skills. Some d. Intended for	and performa musical. This Limitation C	f the Sequoias Musical Theater Orchestra will emphasi ance techniques necessary to accompany in the course may be repeated three times. On Enrollment: Audition by department; intended orchestral instruments.	production of a
	n Enrollment: Audition by department.		MUS 92a-d Hours:	NIGHT JAZZ ENSEMBLE 3 Lab	1 UNIT
Hours: Guitar ensemi guitar playing sightreading.	GUITAR ENSEMBLE 3 Lab ble, MUS 65a-d, is designed to familiarize students wi in general, and specifically to develop steady rhyth This course may be repeated three times. Recommended Preparation: MUS 55a or equivale etter.	nm and improved	A study and interpretation, improving the public perforr Limitation O	performance of jazz ensemble repertory with spectore, technique, and general effect. Planned for the ir musicianship and improvisational skills. Some oun nances are required. This course may be repeated n Enrollment : Audition by department; intender jazz band instruments.	ose interested in tside travel and three times.
MUS 72a-d	JAZZ ENSEMBLE 1	2 UNITS	MUS 94a-d Hours:	COMMUNITY DANCE BAND 3 Lab	1 UNIT
interpretation, improving the	2 Lecture/Discussion 3 Lab 1 Homework performance of jazz ensemble repertory with spe tone, technique, and general effect. Planned for th ir musicianship and improvisational skills. Some o nances are required. This course may be repeated	nose interested in utside travel and	interpretation, improving the public perform Limitation C musicians of	performance of dance band repertory with spectore, technique, and general effect. Planned for the ir musicianship and improvisational skills. Some ounances are required. This course may be repeated on Enrollment: Audition by department; intended jazz band instruments.	ose interested in tside travel and three times.
MUS 74a-d Hours:	CONCERT BAND 1 2 Lecture 3 Lab	2 UNITS	Hours:	MUSICAL THEATRE PERFORMANCE: VOICE SHORT TERM CLASS 120 Activity (8 weeks, 15 hrs. per week) DRAM 20a-d, DANC 41a-d	2 UNITS
	1 Homework rformance of standard concert band repertory with sp		Experience in	drama and theater through active participation in ma uctions. Includes training and experience in all facet	
will be stress performing in rarely repeate	tone, technique, and general effect. All basic concept ed through lecture, discussion, and rehearsals with public concerts. The music that is rehearsed, read d from semester to semester. Some outside travel, fle	the final goal of and performed is Id trips and public	MUS 111a-b Hours:	SIGHT SINGING AND BASIC FUNDAMENTALS OF MUSIC 1 Lecture/Discussion	1 UNIT
Advisory on band experier	are required. This course may be repeated three a Recommended Preparation: Intended for students nce or an equivalent type of experience.	with high school	the study of	1 Lab urse in sight singing, aural perception, and rhythmic a notes/rests, scales, triads, key and meter signature nology. This course may be repeated one time.	
at athletic fur repeated three	2 Lab designed for students who are interested in performing nctions (basketball, football, volleyball, etc.). This	course may be	MUS 125a-d Hours: FEE REQUII	FIELD STUDIES IN MUSIC SHORT TERM CLASS (17 days) 36 Lecture/Discussion 108 Lab RED	2 UNITS
musicians of	band instruments.		audience pers in várious pe travel to Eng museums, mu will cover rou	lysis of the Performing Arts (Musical concerts, plays spective. Elements of Early Instrumentation, Musical riods as they relate to music history will be explored and, Scotland, and Wales, or other sites to attend isicals, and new cathedral organ installations, and cast nd trip air fare, transfers to and from airport, hotel roo a. This course may be repeated three times.	Styles and form d. Students will concerts, plays, le artifacts. Fee

MUSIC

1 UNIT

1 UNIT

1 UNIT

MUSIC

MUS 126a-d	COMPUTERIZED AUDIO 1: MIDI	2 UNITS
Hours:	2 Lecture/Discussion	
	2 Lab	

2 Homework

This course explores the use of MIDI capable devices (including keyboard, effects professor, MIDI converters, samplers and personal computers) and associated

production techniques for music composition, performance, and recording. This course may be repeated three times. Limitation On Enrollment: Audition by department; intended for advanced

musicians of jazz band instruments.

MUS 174a-d	I JAZZ COMBO	2 UNITS
Hours:	1 Lecture/Discussion	
	2 Lab	

2 Lab

A study and performance of Small Jazz Ensemble repertory with special attention paid to tone, technique, musicianship, and overall musical effect. Planned for musicians interested in improving their musicianship, improvisational and performance skills. Some outside travel, field trips, and public performances are required. This course may be repeated three times.

Limitation On Enrollment: Audition by department; intended for advanced musicians of jazz band instruments.

MUS 180	THE MUSIC BUSINESS	2 UNITS
Hours:	2 Lecture/Discussion	
	4 Homework	

This course deals with the workings of the music industry, particularly the business end, career opportunities, and employability enhancement. Guest speakers will be an integral part of the course.

MUS 181	RECORDING ARTS 1	2 UNITS
Hours:	2 Lecture/Discussion	
	3 Lab	
	4 Homework	

Hands-on instruction for beginners in the use of multi-track recording systems, with emphasis on the development of critical listening/thinking skills in sound, recording, reproduction and technology.

MUS 183a-d NIGHT STUDIO BAND 1 UNIT Hours: 3 Lab

A terminal course which rehearses all types of music performed in the recording studio. Recording on tapes and making a professional quality record will be a major project. This course may be repeated three times.

Limitation On Enrollment: Audition by department: intended for advanced musicians of jazz band instruments.

MUS 224a-d KEYBOARD ACCOMPANIMENT 1 UNIT Hours: 2 Lecture/Discussion 1 Lab

This course involves small groups, such as soloist and ensembles in vocal, string, brass and the larger groups such as a symphony and chorus. Other items covered would be the utilization of the synthesizer and computer, musical theatre auditions, as well as duets between piano/piano, piano/organ, organ/organ (liturgical vs. theatre). This course may be repeated three times.

Limitation On Enrollment: Audition by department.

MUS 242a-d	MADRIGAL DINNER	1 UNIT
Hours:	SHORT TERM CLASS	
	60 Activity (15 hrs. ner week 4 weeks)	

60 Activity (15 hrs. per week, 4 weeks)

The Madrigal Dinner is an Elizabethan (Shakespearean/Renaissance) Feast performed by singers, instrumentalists, actors, court jesters, mimes, tumblers, and others structured around a formal meal served in several courses announced by brass fanfares. Authenticity of music, drama, costuming, staging and all aspects of the performance is essential. A Christmas theme serves as the central focus of the dinner which is traditionally presented several evenings in late November and/ or early December. This course may be repeated three times.

MUSIC

MUS 270a-d DIXIELAND BAND Hours: 2 Lab

A study and performance of Dixieland band repertory with special attention to interpretation, tone, technique, and general effect. Planned for those interested in improving their musicianship and improvisational skills. Some outside or public performances are required. This course may be repeated three times. Limitation On Enrollment: Audition by department; intended for advanced

Limitation Un Enroliment: Audition by department; intended for advanced musicians of Dixieland band instruments.

MUS 293a-d JAZZ ENSEMBLE 3 Hours: 3 Lab 1 Homework

Advanced study and performance of jazz ensemble repertory for musicians aspiring to a professional level of jazz ensemble playing. Some outside travel and public performances are required. This course may be repeated three times.

Limitation On Enrollment: Audition by department; intended for advanced musicians of jazz band instruments.

MUS 294a-d JAZZ IMPROVISATION 1 UNIT Hours: 3 Lab

This is a course in developing the ability to spontaneously improvise music on an instrument to a musical background provided by a large jazz ensemble. The course will cover the application of improvisational techniques found in jazz music. This course may be repeated three times.

Prerequisite: The student must have a basic knowledge of music theory (Theory 1) and the ability to perform on an instrument used in the large jazz ensemble. Enrollment by audition or by permission of the Music department only. Demonstrated performance of major and minor scales and chords.

MUS 295a-d SEQUOIA WINDS Hours: 2 Lab

A study and performance of standard symphonic band repertory with special attention to interpretation, tone, technique, and general effect. Planned for those interested in improving their musicianship. Some outside or public performances are required. This course may be repeated three times.

Advisory On Recommended Preparation: Intended for all advanced musicians of concert band instruments.

MUS 301 INTRODUCTION TO MUSIC 3 UNITS Hours: 3 Lecture/Discussion 3

This is a precollegiate course designed to help students develop the competence and confidence necessary for successful college study in both academic and vocational courses. It is an introductory course with a broad focus. Topics will be covered in media presentation, primarily videos, and in discussions. Selected composers, performers, and styles (including classical, popular and international) will be explored as reflections of their cultural contexts.

MUS 396a-d SWING-STYLE BIG BAND Hours: 3 Lab

1 UNIT

A terminal course which rehearses all types of music performed by the big bands of the 1930's, 40s and 50s. Some outside travel and public performances are required. This course may be repeated three times.

Limitation On Enrollment: Audition by department; intended for advanced musicians of jazz band instruments.

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NATURAL SCIENCES

NȘCI 131 Hours:	CHEMISTRY & PHYSICS FOR EDUCATORS 3 UNITS 3 Lecture/Discussion 2 Lab 6 Homework	NURS 104 Hours:	REGISTERED NURSING THEORY 4 6 Lecture/Discussion 21 Lab 20 Homework	13 UNITS		
6 Homework A general principles science course for students transferring to become Liberal Studies majors. Basic principles of chemistry and physics relevant to elementary education are stressed. Applying these topics to everyday experience is empha- sized. The course is designed to meet only the science requirements of Liberal Studies programs at CSU Fresno. Prerequisite: MATH 200 or 215 or MATH 205 or equivalent college course with "C" or better or eligibility for MATH 230 as determined by COS placement procedures.			<u>Materials Fee: \$40.00</u> The fourth semester Registered Nursing course is a study of the nursing process centered on the human needs of individuals in acute and long term health care settings. It includes care of the pediatric client and family in acute care and outpatient health care settings; patients with long term health care needs which are met in community settings; and the leadership role of the Registered Nurse in acute care settings. Clinical experience is directed toward assuming broad responsibility for providing optimal nursing care for patients, including planning, coordinating,			
NSCI 132 Hours:	BIOLOGY AND EARTH SCIENCE FOR 4 UNITS EDUCATORS 3 Lecture/Discussion		d utilizing health care resources. : NURS 103 or equivalent college course with "	C" or better.		
	3 Lab 6 Homework	NURS 106 Hours:	CULTURAL DIVERSITY IN HEALTHCARE 3 Lecture/Discussion	3 UNITS		
A general principles science course for students transferring to become Liberal Studies majors. Basic principles of earth science and biology relevant to elementary education are stressed. Applying these topics to everyday experiences is emphasized. The course is designed to meet only the science requirements of Liberal Studies programs at CSU campuses. Advisory on Recommended Preparation: ENGL 251 or equivalent college course with "C" or better or eligibility for ENGL 1 as determined by COS placement procedures.			6 Homework This course in designed to introduce basic concepts of culture, language/ communication, biological variation, social organization, and social interaction and change as they relate to health care. Focused on the client (individual, family, or social group), the course investigates values, beliefs, and customs as they affect health and illness behaviors. Advisory On Recommended Preparation: ENGL 1 or equivalent college course with "C" or better.			
	NURSING	NURS 111 Hours:	CLINICAL APPS OF PHARMACOLOGY SHORT TERM CLASS (Total Hours 48) 36 Jab	1 UNIT		
nursing proc threads intro supervision of the clinical s Prerequisite 1 or 4, and with "C" or t Corequisite Limitation (NURS 102 Hours: Materials F	s an introduction to the elements of patient centered care based on the ess. It emphasizes human needs of the patient with various program duced throughout the semester. Using critical thinking and under the of an instructor, the student gives nursing care to selected patients in setting. setting. setting. setter SOC 1, ANTH 10, or NURS 106 or equivalent college courses better. setter. NURS 122. On Enrollment: Acceptance into the Registered Nursing Program. REGISTERED NURSING THEORY 2 12 UNITS 6 Lecture/Discussion 18 Lab 36 Homework	pharmacolog response to volume, varie level of resp Prerequisite NURS 113 Hours: Within the co Science, this settings. Thi student. Prerequisite licensure as Limitation Program.	36 Lab 12 Homework 12 Homework 14 Homework 15 Homework 16 Homework 16 Homework 17 Homework 18 Homework 10 Homewor	ation of the patients atic increase in the rience an increased better grade. 4 UNITS Nursing and Health incute and outpatient placement nursing n "C" or better, or a "C" or better. Registered Nursing		
needs of the patients in b	basic medical-surgical patient in the acute care setting and psychiatric oth inpatient and outpatient settings. NURS 101 and 122 or equivalent college course with "C" or better.	NURS 114 Hours:	RN THEORY: ADVANCED MEDICAL-SURGI SHORT TERM CLASS (Total Hours: 408) 68 Lecture/Discussion 204 Lab	ICAL 8 UNITS		
NURS 103 REGISTERED NURSING THEORY 3 12 UNITS Hours: 6 Lecture/Discussion 18 Lab 36 Homework 36 Homework Materials Fee: \$40.00 Within the conceptual framework and the philosophy of the Division of Nursing and Health Science, NURS 103 will study the patient/family with advanced medical and surgical problems and perinatal needs. Prerequisites: NURS 102 or equivalent college course with "C" or better; or licensure as a Vocational Nurse and NURS 122 or equivalent with "C" or better, and acceptance into the Registered Nursing Program.		136 Homework Within the conceptual framework and the philosophy of the Division of Nursing an Health Science, this course explores the patient/family with advanced medical an surgical nursing problems. This course is designed for the Licensed Vocations Nurse or the advanced placement student. Prerequisite: NURS 102 or equivalent college course with "C" or better, or licensure as a LVN and NURS 122 or equivalent course with a "C" or better an current IV certification. Limitation Request on Enrollment: Acceptance into the Registered Nursin Program.				

NURSING

Course Descriptions NURSING NURSING **RN THEORY: PSYCHIATRIC NURSING 4 UNITS** FOUNDATIONS OF NURSING PRACTICE 2 UNITS NURS 116 NURS 122 SHORT TERM CLASS (Total Hours 204) 1 Lecture/Discussion Hours: Hours: 34 Lecture/Discussion 3 Lab 102 Lab 2 Homework 68 Homework Based on the human needs approach, this course provides the framework for nursing Psychiatric nursing is a study of the application of the nursing process to meet the practice, critical thinking skills from the foundation to the five step nursing process; human needs of the psychiatric patient in both acute care and outpatient settings. assessment, diagnosis, planning, implementation, and evaluation. The assess-Clinical experience focuses on providing physiologic and psychosocial nursing care ment phase is emphasized so students will recognize normal range of patient ot patients and their families who have psychiatric needs. assessment data. Prerequisite: NURS 102 or equivalent college course with "C" or better, or licensure Prerequisites : BIOL 30, 31, 40, CHEM 20, NUTR 18, and ENGL 1 or PSY 1, SPCH as a LVN and NURS 122 or equivalent course with a "C" or better and current IV 1 or 4, and either SOC 1, ANTH 10, or NURS 106 or equivalent college courses with "C" or better or licensure as a Vocational Nurse and permission of the department. certification. Limitation Request on Enrollment: Acceptance into the Registered Nursing Corequisite: NURS 101 Limitation On Enrollment: Acceptance into the Registered Nursing Program. Program. RN THEORY: PEDIATRIC NURSING CRITICAL CARE NURSING NURS 117 **4 UNITS NURS 125 4 UNITS** SHORT TERM CLASS (Total Hours 210) Hours: Hours: 2 Lecture 34 Lecture/Discussion 6 Lab 102 Lab 4 Homework 74 Homework This course presents a study of nursing intervention focused on the needs of the The pediatric nursing course is a study of the nursing process centered on the human critically ill client in an intensive care unit. Concepts of cardiac, respiratory, renal, needs of children and their families in acute hospital and community settings. Clinical neurologial, endocrine, and emotional care are stressed. Students will actively care experience is directed toward assuming broad responsibility for providing optimal for critically ill clients with these problems during clinical lab. Prerequisites: NURS 103 or equivalent college course with "C" or better, or LVN nursing care of patients, including planning, coordinating, teaching, and utilizing health care resources. licensure and permission of department. Prerequisite: NURS 103 or equivalent college course with a grade of "C" or better. **NURS 126** SUPERVISED CLINICAL PRACTICE **4 UNITS** RN THEORY: LEADERSHIP AND MANAGEMENT 5 UNITS Hours: SHORT TERM CLASS (Total Hours 96) **NURS 118** SHORT TERM CLASS (Total Hours 252) Hours: 96 Lab 34 Lecture/Discussion This clinical practice course provides additional practice to RN students who desire additional opportunities for clinical lab practice. The student will utilize knowledge 144 Lab 74 Homework and skills at the student's current level of achievement. This course is a study of the leadership role of the nurse. The student assumes broad Prerequisite: NURS 101 or equivalent college course with "C" or better or LVN licensure and permission of the department. responsibility for providing optimal nursing care for groups of patients, including planning, coordinating, teaching, and utilizing health care resources. It is intended for the LVN to RN student or other avanced placement student after admission to the COS, **NURS 127** ONCOLOGY NURSING **6 UNITS** SHORT TERM CLASS (28 hours each week for 6 weeks) RN Program. Hours: 4 Lecture/Discussion Prerequisite: NURS 103 or equivalent college course with a grade of "C" or better. Limitation Request on Enrollment: Acceptance into the RN Program. 24 Lab This course is designed to increase student understanding of the patho-physiologic NURS 119 **RN THEORY: COMMUNITY NURSING 4 UNITS** process of cancer and the psycho-social effect upon the client and family. The student will utilize the nursing process to plan and implement individualized care SHORT TERM CLASS (Total Hours 210) Hours: 34 Lecture/Discussion of the oncology client.

74 Homework This course is a study of the nursing process centered on the client in his/her natural environment, in the context of the family and community. The goal is to encourage health maintenance and focus on prevention and continuity of care. The course is intended for the LVN to RN or other advanced placement student after admission to the COS Registered Nursing Program.

102 Lab

Prerequisite: NURS 103 or equivalent college course with a grade of "C" or better Limitation Request on Enrollment: Acceptance into the RN Program.

NURS 120	PERIOPERATIVE NURSING	4 UNITS
Hours:	SHORT TERM CLASS (A total of 144 hours)	
	36 total hours of lecture	
	108 total hours of lab	

This is an elective course in perioperative nursing. This course is designed to a competent and knowledgeable practitioner to administer optimum care to surgical patients during pre-operative, intra-operative and post-operative phases of surgical intervention.

Prerequisite: NURS 101 and 122 or equivalent college courses with "C" or better, or permission of department.

MENTORSHIP: TRANSITION FROM STUDENT NURS 134 1 UNIT TO NURSE

Prerequisite: NURS 101 or equivalent college course with "C" or better.

Hours: **1** Lecture/Discussion

This course is designed for the Registered Nurse who wishes to prepare for clinical teaching and supervision of senior nursing students in a mentorship role. It involves the study and application of principles of nursing and teaching/learning theory, to ouidance and evaluation of the student nurse's clinical practice.

Prerequisites: Registered Nurses with a minimum of one year experience in acute

ITS	care, that have or will serve as mentors to C.O.S. NURS 104 students.				
	Hours:	INTRODUCTION TO AGING 3 Lecture 6 Homework	3 UNITS		
prepare o select	Cross Ref:	6 Homework CFS 136			

SSCI 136

An introductory course covering topics in gerontology/aging; demographics, theories, concepts, perspectives, and research, including biophysical, psychosocial, cultural, political, and ethnic topics which impact individuals, families, and society.

Course Descriptions NURSING NURSING INTRODUCTION TO COMPUTERS IN NURS 212 **3 UNIT** CERTIFIED NURSING ASSISTANT 6 UNIT NURS 351 HEALTHCARE Hours: SHORT TERM CLASS (Total Hours 184) Hours: 2 Lecture 72 Lecture/Discussion 3 lab 112 Lab 4 Homework This course is designed to prepare the student as an entry level worker, providing Discussion of basic computer operation and use: nursing curriculum software, word basic nursing care to patients in acute care and long term care settings. The processing programs, and presentation programs; establishing an internet account curriculum is structured to provide theory and application in skills needed to function and participating in on-line discussions; and finding and critiquing healthcare as a Nursing Assistant. Upon completion students will be eligible to take the state information on the World Wide Web are all covered in this course. certification examination. NURS 233 IV CERTIFICATION - LVN 1 UNIT NURS 352 HOME HEALTH AIDE 2 UNITS SHORT TERM CLASS Hours: SHORT TERM CLASS (Total Hours 40) Hours: 40 Lecture/Discussion 9 Lecture This course is designed to prepare Certified Nursing Assistants for certification as 27 Lab **18 Homework** Home Health Aides by the State of California. The certification allows the home health Material Fee: \$20.00 aide to function as an entry-level worker on a health care team in a home health This 36 hour course prepares Licensed Vocational Nurses to initiate and maintain IV agency. therapy and draw blood in a clinical agency. Theory and practice are provided to Prerequisite: This course is limited to individuals who have completed a Certified enable the student to assess the client, review the physician's order, plan the Nursing Assistant class approved by the State of California. appropriate infusion technique, implement and evaluate the treatment and the effect upon the client. NURS 400a-d NURSING SKILLS LAB **0 UNITS** Prerequisite: Must be a licensed Vocational Nurse. Hours: 3 Lab This course provides the student with an opportunity for additional directed learning NUR 301 IN-HOME SUPPORTIVE SERVICES PROVIDER 1 UNIT and supervised laboratory time to develop and refine nursing clinical skills Hours: SHORT TERM CLASS (Total Hours 30) necessary to the safe clinical practice of professional nursing. The student will gain 20 Lecture knowledge from instructor demonstration, video tapes and computers. This course 10 lab may be repeated three times. This is a short term class which will provide training to allow individuals to assist Limitation On Enrollment: Must be enrolled in the COS Registered Nursing ill, elderly, and disabled people in their homes. The classes are designed to teach Program. students how to provide supportive services and to teach a philosophy of caring and techniques for assisting people in meeting daily needs at home. **NURS 401** NURSING AND OTHER HEALTH 0 UNITS CAREERS FOR ETHNIC DIVERSITY NURS 310 PREPARING FOR HEALTH CARE CAREERS 2 UNITS SHORT TERM CLASS (Total Hours 32) Hours: SHORT TERM CLASS (Total Hours 128) 24 Lecture/Discussion 32 Lecture/discussion 8 Lab Hours: 96 Homework This course is designed to introduce minority students to health care career This course assists any new or returning college student to be successful. opportunities during their early high school years. The course provides information Assessment and application of individual learning styles are done. Learning skill such regarding careers, opportunity for the student to observe health care service as note-taking, testing, and writing are reviewed. Basic arithmetic, problem-solving personnel at the job site, and guidance for the student in selection of high school skills, library and computer resources, means to manage money, and stay healthy courses which will enhance their entry into college level courses. Emphasis will are discussed. be placed on nursing, but other health care careers will be addressed. NURS 311 PRE-NURSING SUCCESS 1 UNIT SHORT TERM CLASS (Total Hours 48) **NUTRITION/FOODS** Hours: 16 Lecture/discussion 32 Homework NUTR 18 NUTRITION **3 UNITS** This course will prepare the pre-nursing student to be successful in the Registered Hours: 3 Lecture/Discussion Nursing Program. The student will refine critical thinking and problem solving skills. 6 Homework Arithmetic skills will be reviewed. The nursing process and care plan writing will be APPROVED FOR DISTANCE LEARNING introduced. Community resources for the nontraditional student will be identified. A scientific study of the basic chemical, biological and physiological principles and concepts of human nutrition. Current scientific theories and research are reviewed, NURS 315a-d NURSING PROGRAM SUPPORT 2 UNITS clarified and discussed as these trends apply to the development of sound and 2 Lecture/Discussion Hours: preventive nutrition practices. The study includes the adapting of these principles 4 Homework to the individual's uniqueness and the translation of this knowledge into food choices This course is designed to support students who are having difficulty in the Registered throughout life. CAN FCS 2. Nursing Program. The course provides assessment of learning styles, tutoring Advisory on Recommended Preparation: ENGL 251 or equivalent college services, group support, and content review to assist students who are having course with "C" or better or eligibility for ENGL 1 determined by COS Placement difficulty meeting increasingly complex course objectives. This course may be procedures. repeated three times. Limitation Request on Enrollment: Enrollment in this course is by departmental NUTR 101 FOODS **3 UNITS** assessment. Admission to the RN program. 2 Lecture/Discussion Hours: 3 Lab GENERAL MATHEMATICS RELATED TO NURSING NURS 321 **3 UNITS** 4 Homework Hours: 3 Lecture/Discussion Materials Fee: \$10.00 6 Homework

This course focuses on the development of mathematical and analytical skills related to the delivery of drugs and solutions by registered nurses. Basic arithmetic skills are reviewed and built upon. The student taking this course will be prepared for math calculations required in nursing school.

NUTR 101 is an overview of the principles and practices of food science and technology including food safety, sanitation, ingredient properties, nutritive values, preservation methods, product evaluation and meal management. CAN FCS 8.

NUTRITION/FOODS

NUTRITION/FOODS

NUTR 102 Hours:	FOODS 1 Lecture/Discussion	2 UNITS	NUTR 111	DIETETIC SERVICE SUPERVISOR WORK EXPERIENCE	2 UNITS
noure:	3 Lab		Hours:	10 Activity	
will explore	a designed for students with basic food preparat a wide range of topics such as experimental king, foreign foods, quantity cooking, and spec	cooking, entertaining,	facility. Stude	Is designed to give the student learning expe ents will be assigned to a health care facilit sillty may be outside the City of Visalia. Th	y by the instructor. The
			Registered D	Detitian.	
NUTR 105 Hours:	PROFESSIONAL COOKING 1 2 Lecture/Discussion	3 UNITS	be on file v	n Enrollment: Verlfication of your last Tub with Instructor before site visit occurs.	
	3 Lab 4 Homework			: NUTR 301, 302, 107 and 18 or equivalent TR 101 or 105 or equivalent college courses v	
<u>Material Fee</u>	<u>: \$15.00.</u>		years profes	sional cooking experience.	
preparation of	an Introduction to the art of professional cooking. If basic sauces and stocks, salads, soups, grain Im includes lecture, demonstration and hands-	ns and breakfast items.		n Recommended Preparation: NUTR 113 "C" or better.	3 or equivalent college
NUTD 400	PROFESSIONAL COOKING 2	3 UNITS	NUTR 112		3 UNITS
NUTR 106 Hours:	PROFESSIONAL COOKING 2 2 Lecture/Discussion	3 UNITS	Hours:	3 Lecture/Discussion 6 Homework	
	3 Lab			CHLD 112	
This class is	4 Homework designed so that performance standards meet	employer expectations		urse of children's nutritional requirements. Inition prior to conception through adolescence.	
and enhance service skills,	students' job market value. Students will demons i.e., food presentation, sauces, meat cookery	trate proficiency in food	basics, feedi	ng principles, and current topics. An approp , social services and human development.	· ·
cuisine. Prerequisite:	: NUTR 105 or equivalent college course with	1 "C" or better.	NUTR 113	DIETETICS	3 UNITS
NUTR 107	CANITATION & CAFETY	1 UNITO	Hours:	3 Lecture/Discussion	
Hours:	SANITATION & SAFETY SHORT TERM CLASS: Total Hours 96 32 Lecture/Discussion	2 UNITS		6 Homework is designed primarily for students planning ca redical institutions. Nutritional care for the pa	
This source i	64 Homework	lough of employees in	emphasized		course with "C" or botton
all aspects of	provides accurate, up-to-date information for all food handling. It includes laws and regulations for ng restaurant and food service industry.		Advisory on	: NUTR 301, 302, and 18 or equivalent college Recommended Preparation: NUTR 105, 1 "C" or better.	
NUTR 108 Hours:	INTRO TO FOOD SERVICE MANAGEMENT 3 Lecture/Discussion	T 3 UNITS	NUTR 119	NUTRITION FOR FITNESS, EXERCISE, AND SPORTS	3 UNITS
	6 Homework		Hours:	3 Lecture/Discussion	
	designed to introduce the student to food service and residential facilities. Topics include purc		Cross Ref:	6 Homework PE 119	
storage of f	ood, personnel management, equipment usa		ļ	HW 119	
Prerequisite courses with Advisory Or	nagement, and administative leadership. : NUTR 18 and NUTR 301 (or MATH 360 or high a "C" or better. n Recommended Preparation: NUTR 105,	, , , ,	the relations computer, Int	s designed to acquaint students with the nutritio hip between nutrition and fitness. Students ternet and basic math skills to calculate nutrition gy, nutrient groups, body composition, and s	are required to use the nat needs. Topics include
	llege courses with "C" or better.		NUTR 201	INTRODUCTION TO FOOD SERVICE &	1 UNITS
NUTR 109 Hours:	FOOD SERVICE EXPERIENCE 5-20 Activity	1-4 UNITS	Hours:	NUTRITION PROFESSIONS Short Term Class	
This course is	s designed to give the student learning experienc		i ilours.	17.5 Total lecture hours	
	service operation. The student, site manager a		This second	35 Homework hours	
the site mana semester. No	lives for that site. Direct supervision at each sit ager. The course instructor will visit the studer te: Verification of your last Tuberculin Skin te: before site with ensure	nt at the site during the	specific nutr required to	includes coverage of careers in the food ser ient information and introduction to compute observe a food service or nutrition professi lose modifies times	ers. The student will be
Prerenuisite	tor before site visit occurs. : NUTR 107 or equivalent college course with n Recommended Preparation: NUTR 101		Advisory on	lass meeting times. Recommended Preparation: NUTR 18 or e better taken previously or concurrently.	equivalent college course
Advisory O					
Advisory Or college cours	es with "C" or better. : NUTR 210		NUTR 202	PROFESSIONALISM IN THE WORKPLA	CE 3 UNITS
Advisory O college cours			NUTR 202 Hours:	3 Lecture hours	CE 3 UNITS
Advisory Or college cours			Hours: This course		and nutrition area such
Advisory Or college cours			Hours: This course as profession issues, inclu Prerequisite Advisory or	3 Lecture hours 6 Homework hours covers employment skills in the food service	and nutrition area such ocovered are workplace nd workplace violence. ith "C" or better.

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NUTRITION/FOODS

NUTR 207 Hours:	SANITATION FOR FOOD HANDLERS SHORT TERM CLASS (Total Hours 51) 17 Lecture hours	1 UNIT	OH 2 Hours:	PLANT IDENTIFICATION 1 3 Lecture/Discussion	3 UNITS
to take the S	34 Homework hours ts of food service sanitation are covered. This course ervSafe examination, which is given at the end of the examination meets California and Tulare/Kings Cour	e course. Passing		1 Lab detailed study of trees, shrubs, vines, herba . This course emphasizes plant materials at the tths.	
for food safe	ty certification.	·	OH 3 Hours:	PLANT IDENTIFICATION 2 3 Lecture/Discussion	3 UNITS
NUTR 212 Hours:	MENU DESIGN SHORT TERM CLASS (Total Hours 144) 48 Lecture hours	3 UNITS		1 Lab detailed study of trees, shrubs, vines, herba . This course consists of two sections of diff	
include menu	96 Homeowrk hours s an overview of menu planning for child nutrition pro planning options, nutrition standards, menu writing, stu d evaluation. Procedures for developing standardized	udent preferences,	OH 7 Hours:	LANDSCAPE DESIGN 3 Lecture/Discussion 1 Lab	3 UNIT
state and loc	and evaluating procurement and delivery systems, and al standards are covered.		design as a	rnamental horticulture class that teaches the bas oplied to residential, industrial, and public prop	erties. The basic course
NUTR 215 Hours:	CHILD NUTRITION MANAGEMENT 3 Lecture hours 6 Homework Hours	3 UNITS	OH 101	e design is appropriate for transfer students a BASIC ORNAMENTAL HORTICULTURE	•
of current chil	ne components of model child nutrition programs includ d health and nutrition principles, nutrition education pr communication strategies and operation manageme	ractices, marketing	Hours: Materials F	3 Lecture/Discussion 1 Lab	
ment of nutr	itionally and fiscally sound child nutrition programs ind school partnerships.		This course	is an introduction to ornamental horticulture ar ping, turf management, and nursery fields.	nd the basic skills used in
NUTR 301 Hours:	FOOD SERVICE & NUTRITION SKILLS I 17.5 Lecture hours 35 Homework hours	1 UNIT	OH 104 Hours:	NURSERY PRACTICES 3 Lecture/Discussion 1 Lab	3 UNITS
nutrition and	es: Variable provides a foundation in computation skills necessa food service courses and employment. Topics cove measurement, costing, percent body weight and cal	red include recipe	Instruction p	he nursery industry and its practice through rovides a working knowledge of plant propaga sery layout, nursery management, cut flow	tion, growing ornamental
NUTR 302 Hours:	FOOD SERVICE & NUTRITION SKILLS II 17.5 Lecture hours 35 Homework hours	1 UNIT	OH 105 Hours:	PLANT PROPAGATION 3 Lecture/Discussion 1 Lab	3 UNITS
Material Fee			Materials F		
necessary for	provides an introduction to verbal and written cor success in nutrition and food service courses and en ide recipe and term comprehension, verbal direction g.	mployment. Topics	A plant scier layering, div	ice course that studies the principles of plant pro- ision, grafting, and budding. The primary fo of fruit and ornamental plants.	
NUTR 320 Hours:	HEALTHY COOKING ON A BUDGET SHORT TERM CLASS 17 Lecture 24 University	1 UNIT			
	34 Homework es, techniques and strategies designed to promote of be presented in several different ways.	optimal health and			
NUTR 321	PROVIDING GOOD FOOD AND NUTRITION FOR CHILDREN	1 UNIT			
Hours:	SHORT TERM CLASS (Total Hours 51) 17 Lecture 34 Homework				
the learning safety, sanit	explores and develops food experiences that can be environment for parents (or care-providers) and cl ation, basic recipe development, simple preparatio tion information.	hildren. It includes			

ORNAMENTAL HORTICULTURE

ORNAMENTAL HORTICULTURE

OH 106	LANDSCAPE DRAFTING	3 UNITS
Hours:	3 Lecture/Discussion	
	1 l ab	

Materials Fee: \$5.00

This course teaches the basic drafting techniques and standards used in creating landscape designs. Students learn landscape symbols, lettering styles and techniques as well as methods of designing landscape plans using section and detail drawings. Sketching and the use of drafting equipment from landscape and architectural fields are also stressed.

OH 107	LANDSCAPE STRUCTURES	3 UNITS
Hours:	2 Lecture/Discussion	
	3 Lab	

Material Fee: \$5.00

This course emphasizes the fundamentals of construction as they relate to building garden structures (decks, fences, gazebos, planters, etc.), garden lighting, soil preparation, planting a landscape and plant protection. Also included is cost estimation and analysis.

OH 108	LANDSCAPE CONSTRUCTION	3 UNITS
Hours:	2 Lecture/Discussion	
	3 Lab	
Marked at 1	AT 00	

<u>Material Fee: \$5.00</u>

A basic course in ornamental horticulture for transfer and two year horticulture majors that teaches the fundamentals of construction as they relate to landscape design and the maintenance of landscape plants.

OH 109	LANDSCAPE MAINTENANCE	3 UNITS
Hours:	3 Lecture/Discussion	
	1 Lah	

Material Fee: \$5.00

OH 109 is a lecture and lab course on the maintenance of landscape of homes, parks, schools, golf courses, plus street and highway plantings. The students study pruning, fertilization, irrigation, pest control and landscape management.

OH 110	TURFGRASS MANAGEMENT	3 UNITS
Hours:	3 Lecture/Discussion	
	1 Lab	

Material Fee: \$5.00

An introduction to the field of turfgrass management that includes selection and use of turfgrass varieties for use in parks, recreation areas, golf courses, and home lawns.

OH 111	FLORAL DESIGN	3 UNITS
Hours:	3 Lecture/Discussion	
	1 Lah	

Material Fee: \$50.00

OH 111 is an introductory lecture and lab course in commercial floristry that covers the various phases of floral design. It is a general course for a two-year certificate and transfer students and is not limited to agriculture majors.

OH 112	SYMPATHY FLOWERS	3 UNITS
Hours:	3 Lecture/Discussion	
	1 ab	

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Materials Fee: $50.00
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OH 112 is a course for two year and certificate students. It is a requirement for the floral industries certificate. OH 112 teaches the advanced styling and design of flowers specifically for sympathy work, casket sprays, wreaths, hospital arrangements and solid work.

OH 113	WEDDING FLOWERS	3 UNITS
Hours:	2 Lecture/Discussion	
	2 Lab	

Materials Fee: \$50.00

OH 113 is a course for 2-year and certificate students. It is a requirement for the Floral Industries certificate. OH 113 teaches advanced styling of floral designs to wear and carry, as practiced specifically in wedding work, including complete coverage of wedding bouquets, corsages, church decorations, balloons and bouquet decor.

ORNAMENTAL HORTICULTURE

Course Descriptions

s	OH 114	HORTICULTURE INDUSTRIES- Southern California	1 UNIT
ating and letail and	supply them and nursery wholesalers,	SHORT TERM CLASS (A total of 40 hours) Southern California ornamental horticulture outlets and Garden centers, flower shops, botanical and display growers, and public educational facilities are jobbers, display houses, advertising agencies, a s are included.	ay gardens, flower studied. Visits to
s	OH 115	HORTICULTURE INDUSTRIES- NORTHERN CALIFORNIA	1 UNIT
lding soil cost	Francisco co flower and r	SHORT TERM CLASS (A total of 40 hours) Id trip/tour class visiting horticulture industries from punties. Garden centers, flower shops, botanical and nursery growers, and public educational facilities are jobbers, display houses, advertising agencies and o included.	d display gardens, e studied. Visits to
S		HORTICULTURE INDUSTRIES TOUR (Central California) SHORT TERM CLASS (A total of 40 hours) Central California ornamental horticulture outlets and Garden centers, flower shops, botanical and displ	
ajors and	and nursery	r growers, and public educational facilities are s jobbers, display houses, advertising agencies and c	tudied. Visits to
S	OH 117 Hours:	SPRINKLER IRRIGATION 3 Lecture/Discussion 1 Lab	3 UNITS
arks, study S	assembly of year and tra Certification	leaches the identification and recognition of componen various irrigation systems. It is a highly recommend nsfer students. It is also a requirement for the Lands program. This course would also be appropriate r homeowner interested in landscape irrigation.	ed course for two- cape Management
3	OH 118 Hours:	XERISCAPE 3 Lecture/Discussion 1 Lab	3 UNITS
l use iome	designing, in	• =	
S	OH 119 Hours:	INTERIORSCAPES 3 Lecture/Discussion 1 Lab	3 UNITS
overs icate	materials for		
3	OH 120 Hours:	DISEASES OF ORNAMENTALS 3 Lecture/Discussion 1 Lab	3 UNITS
r the gn of inge- S	pests includ safety, form integral part	analysis and management of plant diseases. Princ ing biological, cultural, physical, mechanical, and ch ulation, and methods of application are presented. of the Ornamental Horticulture program intended for t d preparing for Pest Control Advisor's license.	nemical. Pesticide This course is an
3	OH 121 Hours:	PLANT COMBINATION THEORY 3 Lecture/Discussion 1 Lab	3 UNITS
r the		application of the theory and principles of combining	

A study and application of the theory and principles of combining plant materials for use in the landscape according to their cultural, aesthetic and special environmental and micro-climate requirements.

ORNAMENTAL HORTICULTURE

PARALEGAL

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OH 122 Hours:	PESTS OF ORNAMENTALS 3 Lecture/Discussion	3 UNITS	PARA 102 Hours:	LEGAL TERMINOLOGY 1 Lecture/Discussion	1 UNIT
	1 Lab			2 Homework	a an evention of general
	teaches the elements of diagnosis, analysis and man ciples of controlling pests including biological, c		theories of the	required for the paralegal major, provide ne law and legal terminology.	_
mechanical,	and chemical are discussed. Pesticide safety, formula	iion, and methods	Advisory Or	Recommended Preparation: Concurren	t enrollment in PARA 101.
	a are also presented. This course is an integral part of and Pest Management Programs, intended for two		PARA 103	CIVIL PROCEDURE I	4 UNITS
students and	those preparing for Pest Control Advisor's license.		Hours:	4 Lecture/Discussion 8 Homework	
OH 123	SILK & DRIED FLORAL DESIGN	3 UNITS	<u>Material Fe</u>	e: \$10.00	
Hours:	2 Lecture/Discussion 3 Lab			required for the paralegal major, familiar nd Federal concepts of civil procedure. S	
	uired course for the Floral Design certiicate that inclu		hypothetical	fact patterns and complete legal documents	necessary for a civil lawsuit
	emi-permanent materials. Tools, materials, care, basi s and techniques in both dried and silk arrangeme			Iterized Judicial Council forms and other la PARA 101 unless previously completed	
	ving, and preserving cultivated and wild flowers, pod		equivalent c	ollege course with a "C" or better, or equiv	
also include	d.			ed by departmental assessment.) or COMP 5 or equivalent
OH 124	ARBORICULTURE: THE STUDY OF TREES	3 UNITS		se with a "C" or better.	
Hours:	2 Lecture/Discussion 3 Lab		PARA 104	CIVIL PROCEDURE II	3 UNITS
	4 Homework		Hours:	3 Lecture/Discussion	
	identifies the basic tree anatomy and functions as a li vill be applied to proper tree care including pruning si		This course	6 Homework expands upon the basic concepts learned in	PARA 103 and is required
techniques,	fertilizers, pre- and post- planting care, environmen	tal/climatic condi-	for the para	legal major. Students draft complicated	civil pleadings, discovery
	e and pests, etc. Included in this course is basic fore letermine age, injuries, rot, etc.	ensics (dissecting)		s and the legal documents necessary to e s: PARA 103 or equivalent college cours	
		0.111170	PARA 105	LEGAL RESEARCH AND WRITING	4 UNITS
OH 128 Hours:	ADVANCED FLORAL DESIGN 3 Lecture/Discussion	3 UNITS	Hours:	4 Lecture/Discussion	4 01110
T 1 is a set	1 Lab	a manarala l flavora	This require	8 Homework d course for the paralegal major covers the	hasic tools of researching
	is an advanced lecture/lab course in floral design, of one and advanced skills in floral design.	commercial llower	both Federa	al and California law. Students analyze l	hypothetical cases, locate
Advisory or	n Recommended Preparation: OH 111 with a "C"	or better.		al authority, and evaluate arguments in su lize both printed and computerized sources	
OH 129	HORTICULTURE & FLORAL BUSINESS	3 UNITS	3	ind authorities.	to write legal memoranua
Hawara	MANAGEMENT			: PARA 101 unless previously complete ollege courses with "C" or better, or equiv	
Hours:	3 Lecture/Discussion 1 Lab		as determin	ed by departmental assessment.	-
This source	3 Homework	horticulture and	Advisory or with a "C" o	n Recommended Preparation: ENGL 1 or r better	r equivalent college course
	e covers skills necessary to successfully manage related businesses. Management topics include goi		}		
	cing, finance planning, advertising, personnel manage	ement, as well as	PARA 110 Hours:	LEGAL ETHICS, MANAGEMENT & IN 3 Lecture/Discussion	TERVIEWING 3 UNITS
merchandisi Prerequisite	e: OH 101 or an equivalent college course with "C" (or better.		6 Homework	
OH 201a-d	VEGETABLE GARDENING	2 UNITS		required for the paralegal major and other la to assist the student in making the transition	
Hours:	1 Lecture/Discussion	2 00110	law office. T	he course covers ethical principles, job sear	
Materials F	3 Lab ee: \$10.00		and law offi	ce management skills.	
OH 201 is a	n introductory course in small scale vegetable product		PARA 160	CRIMINAL LAW TERMS IN SPANISH	1 UNIT
	selection, soils, fertilizers, and care, as well as me tharvesting. This course is of great value to anyone w		Hours: Cross Ref:	1 Lecture/Discussion SPAN 160 and AJ 160	
v	iques of vegetable gardening. This course may be rep			e course presents the Spanish language eq	
				used in the criminal justice system. It paralegals, administration of justice majors	
	PARALEGAL		enforcemen Advisory O	t. n Recommended Preparation: SPAN 2 o	r equivalent college course
PARA 101	INTRODUCTION TO PARALEGALISM	3 UNITS	with "C" or b	etter, or 2 years of high school Spanish with	
Hours:	3 Lecture/Discussion	+	bilingual ba	ckground.	
This initial co	6 Homework hours purse in the Paralegal program is designed to give the si	udent an overview	1		
of the Ameri	ican legal system and introduce the student to legal c	areers, the role of			
	al in a law office, legal ethics, basic legal analysis, a On Recommended Preparation: ENGL 251 or e				
course with	"C" or better, or eligibility for ENGL 1 determined by		1		
Procedures;	and concurrent enrollment in PARA 102.				
		н. - С С С С С С С С	1		

PARALEGAL

PARA 206 ADVANCES IN LEGAL RESEARCH 3 UNITS Hours: 3 Lecture/Discussion 6 Homework	PARA 240 FAMILY SUPPORT OFFICER TRAINING 4 UNITS Hours: 4 Lecture/Discussion 8 Homework
This elective course in the paralegal major emphasizes advanced computerized legal research methods and the writing of complex legal documents. It is designed for both the paralegal student with advanced skills as well as the paralegal professional seeking continuing education. Advisory on Recommended Preparation: PARA 105 or equivalent college	This is a required course for the Family Support Officer Certificate introduc students to the law, procedures, and computer software used by County Dis Attorneys' Offices, Family Support Divisions, to establish and enforce child support orders.
course with "C" or better, or equivalent skills and knowledge as determined by departmental assessment.	PARA 301 PRACTICAL LAW 2 UNITS Hours: 2 Lecture/Discussion Cross Ref: AJ 301
PARA 232 WILLS, TRUSTS, AND ELDER LAW 2 UNITS Hours: 2 Lecture/Discussion 4 Homework 4 Homework This is an elective course in the paralegal major designed to familiarize the student with the legal aspects of wills, trusts, conservatorships, and elder law. Included is the effect of death upon property ownership, community property and the drafting	This basic skills class enhances study skills and basic competencies in ma reading, oral communication and written communication in a legal content cour This class is meant to supplement the skills learned in other precollegiate cours It is recommended for students interested in pursuing a law related career but yet ready for degree applicable courses.
of forms associated with estate planning. Corequisite: PARA 101 unless previously completed with a "C" or better, or equivalent college courses with "C" or better, or equivalent skills and knowledge as determined by departmental assessment.	PARA 360 APPLIED MATH FOR LEGAL CAREERS 3 UNITS Hours: 3 Lecture/Discussion 6 Homework Cross Ref: AJ 360
Advisory on Recommended Preparation: PARA 103 or equivalent college course with a "C" or better.	This non-degree applicable math course designed to improve students' math s in a legal career contextual setting. Students will improve their practical proble solving skills covering topics covered by the COS Math Competency Test.
PARA 233 PROBATE PROCEDURES 2 UNITS Hours: 2 Lecture/Discussion	
4 Homework This is an elective course in the paralegal major designed to familiarize the student	PHARMACY TECHNOLOGY
with the procedures for probating an estate and settling non-probate estates. Corequisite: PARA 101 unless previously completed with a "C" or better, or equivalent college courses with "C" or better, or equivalent skills and knowledge as determined by departmental assessment.	PT 210 INTRODUCTION TO HEALTH SYSTEMS 1 UNITS Hours: 1 Lecture/Discussion 2 Homework
Advisory on Recommended Preparation: PARA 103 or equivalent college course with a "C" or better.	This course introduces the Pharmacy Technician student to the health care syst as it relates to pharmacy practice. It includes technician job responsibilies and eth Prerequisite: High school diploma or equivalent.
PARA 235 BANKRUPTCY 1 UNIT Hours: 1 Lecture/Discussion	PT 211 PHARMACY TECHNICIAN, THEORY 1 3 UNITS
2 Homework This is an elective course in the Paralegal Program which provides general	Hours: 3 Lecture/Discussion 6 Homework
knowledge of the types of bankruptcy, jurisdiction, bankruptcy court procedures, duties of bankrupts and trustees, and adversary proceedings. Prerequisites: PARA 101 or equivalent college course with "C" or better or	The student will learn the use and side effects of drugs commonly used to the diseases affecting the major body systems. This is the first semester course for Pharmacy Technician Program. Prerequisite: High school diploma or equivalent.
equivalent skills and knowledge as determined by departmental assessment.	
PARA 236 ADMINISTRATIVE LAW 3 UNITS Hours: 3 Lecture/Discussion	PT 212 PARMACY TECHNICIAN, PRACTICE 1 1 UNITS Hours: 3 Lab 6 Homework
6 Homework This elective course in the paralegal major provides an overview of federal and state substantive and procedural administrative law. Students may elect to focus on immigration law, social security law, worker's compensation law or other specific government agencies.	Material Fee: \$10.00 In a laboratory setting, this study will apply principles of legal standards and qua assurance in preparation of noncompounded products. Additional lab activity demonstrate concepts from lecture related to drug preparations and routes administration.
Corequisite: PARA 101 unless previously completed with a "C" or better, and/or equivalent college course with "C" or better, or equivalent skills and knowledge as	Prerequisite: High school diploma or equivalent.
determined by departmental assessment. Advisory on Recommended Preparation: PARA 103 or equivalent college course with a "C" or better.	PT 220 PHARMACY TECHNICIAN, PRACTICE 2 2 UNITS Hours: SHORT TERM CLASS (Total Hours 96) 16 Lecture/Discussion
PARA 237 FAMILY LAW 3 UNITS Hours: 3 Lecture/Discussion	48 Lab 32 Homework
6 Homework	Material Fee: \$30.00 This is a short-term pharmacy technician class taken the first half of the sec
This is a required course in the paralegal major designed to familiarize the student with California law relating to adoption, annulment, dissolutions of marriage, paternity, and community property. Students will assemble a notebook of sample documents based on a hypothetical family law case.	semester of the program. The student will compound nonsterile and sterile produ hazardous products, learn database maintenance of drug distribution, and learn bill of pharmacy goods and services.

Corequisite: PARA 101 unless previously completed with a "C" or better, or equivalent college courses with "C" or better, or equivalent skills and knowledge as determined by departmental assessment. Advisory on Recommended Preparation: PARA 103 or equivalent college

course with a "C" or better.

PARALEGAL

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it relates	1 Lecture/Discussion 2 Homework introduces the Pharmacy Technician student to the to pharmacy practice. It includes technician job respi te: High school diploma or equivalent.	•
211 ours:	PHARMACY TECHNICIAN, THEORY 1 3 Lecture/Discussion 6 Homework	3 UNITS

reat the

PT 212	PARMACY TECHNICIAN, PRACTICE 1	1 UNITS
lours:	3 Lab	
	A 11 I	

ality will of

ond icts, lling

Prerequisite: PT 210, PT 211, and PT 212.

Course Descriptions

Course Descriptions	
PHARMACY TECHNOLOGY	PHILOSOPHY
PT 221 PHARMACY TECHNICIAN, THEORY 2 1 UNITS Hours: SHORT TERM CLASS 1 Lecture/Discussion 2 Homework In this second semester Pharmacy Technician class, the students will learn about the role of protocols, development of new drug products, and investigational drug products. They will learn about pharmacy ethics, professionalism, and organizations. Prerequisite: PT 210, PT 211, and PT 212.	PHIL 14 INTRO TO THE NEW TESTAMENT 3 UNITS Hours: 3 Lecture/Discussion 6 6 Homework 6 Homework An introduction to the early Christian community in the period following the death of Christ. Utilizing a historical approach, the course traces the thought and theology reflected in the New Testament writings. Advisory on Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.
PT 222 PHARMACY TECHNICIAN EXTERNSHIP 2 UNITS Hours: SHORT TERM CLASS (Total Hours 96) 96 Lab This short-term Pharmacy Technician class is taken the second half of the second semester of the program. The student will do an externship in a professional pharmacy setting following policies and procedures that apply to acute, long-term and ambulatory care practive under the superision of a licensed pharmacist. Prerequisite: PT 220. Corequisite: PT 221.	PHIL 20 INTRODUCTORY LOGIC 3 UNITS Hours: 3 Lecture/Discussion 3 UNITS A study of logical reasoning by translating ordinary language into symbols for ease of analysis. Students will learn how to identify arguments, to distinguish between inductive and deductive arguments, to derive logical and sound conclusions, and to detect common fallacies of thinking. Applications are for the student interested in the structure of arguments (philosophy and law), as well as the student in mathematics, science, and computer sciences. CAN PHIL 6. Advisory On Recommended Preparation: ENGL 1 or MATH 230 or equivalent college course with "C" or better, or eligibility for MATH 21, 45, 61, 70, 75 or 154 as determined by COS Placement Procedures.
	PHIL 25 CRITICAL THINKING 3 UNITS Hours: 3 Lecture/Discussion
PHIL 1 INTRODUCTION TO PHILOSOPHY 3 UNITS Hours: 3 Lecture/Discussion 3 UNITS Inquiry into the classical questions of philosophy such as: Who am !? What is real? What can I know? What is right? Toward what goals should a society strive? Philosophical views of metaphysics, epistemology, religion, political philosophy, aesthetics and ethics are considered through the writings of philosophers. CAN PHIL 2. Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.	Principles and methods of valid reasoning from objective evidence. Focus is on a practical defense against fallacious arguments and self-deception. Typical topics include deduction, induction, fallacy identification, cultural bias, and argument analysis. A series of writing assignments will focus on increasing the sophistication of argumentative writing. Students are required to write 6,000 to 8,000 words demonstrating both skills of critical thinking and composition. Prerequisite: ENGL 1 or equivalent college course with "C" or better.
PHIL 5 ETHICS 3 UNITS	PHOTOGRAPHY
Hours: 3 Lecture/Discussion 6 Homework A study of modern day individual and societal moral choices. Issues such as lying, abortion, charity, animal rights, and business practices will be examined through traditional and contemporary philosophical theory. Theories studied include egoism, relativism, character ethics, gender ethics, contract theory, utilitarianism, and deontology. CAN PHIL 4. Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures. PHIL 12 COMPARATIVE RELIGION 3 UNITS Homework A general survey of the major religions of the world (e.g.,Hinduism, Buddhism, Islam, Judaism, Christianity, Native American, Confucianism, Taoism). The emphasis is on a comparison of themes common to all, or most religions. Advisory on Recommended Preparation: ENGL 251 or equivalent college course	PHOT 1 BEGINNING PHOTOGRAPHY 3 UNITS Hours: 2 Lecture/Discussion 3 Lab Material Fee:\$20.00 This class is a study in the basic principles and practices of photography. This course is designed to provide a foundation of basic knowledge for those planning an advanced career in photography and who plan further advanced photographic study, or for those in other fields where an understanding of photography may be beneficial. It is also designed to provide the photographic enthusiast with a good working knowledge of this medium as a means of visual communication and self expression. CAN ART 18. PHOT 2a-d ADVANCED PHOTOGRAPHY LABORATORY 1 UNIT Hours: 3 Lab These classes provide an extension of the basic principles and practices learned in PHOT 1. These courses expand upon the knowledge gained in the beginning and basic classes. It is designed for those who have more than a casual interest in the subject and wish to expand their knowledge and advance their skills in the field of photography
with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures. PHIL 13 INTRO TO THE OLD TESTAMENT 3 UNITS Hours: 3 Lecture/Discussion 6 Homework A general survey of the religion of the Hebrews with particular emphasis on the thought, theology and writings of the Old Testament. These are examined within the historical context of the history of Israel including myth and common themes in ancient religion. Advisory on Recommended Preparation: ENGL 251 or equivalent college course with "" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.	and wish to expand their knowledge and advance their skins in the field of photography. This course may be repeated three times. Advisory On Recommended Preparation: PHOT 1 or equivalent college course with "C" or better. PHOT 110a-d PHOTO JOURNALISM 3 UNITS Hours: 2 Lecture/Discussion 3 Lab Cross Ref: JOUR 110a-d. Materials Fee: \$20.00 A course designed for students who would like practical publication experience and an opportunity to publish their photographs in the school newspaper. This course may be repeated three times.

PHOTOGRAPHY

available. This course may be repeated three times. Limitation On Enrollment: Any physical limitation.

PHYSICAL EDUCATION

Course Descriptions

PHOT 370a-d Hours:	COLOR PHOTOGRAPHY 2 Lecture/Discussion	2 UNITS	PE 64a-d	ADAPTED P.E PERCEPTUAL MOTOR 1 UNIT SKILLS AND GAIT EXERCISES FOR THE DISABLED
Colorabetee	2 Lab		Hours:	.5 Lecture/Discussion
	raphy is designed for those interested in color photograph g of black and white photography. Students will be given t		This course	2.5 Activity for the disabled is designed to assist students in the development of
	e making photos using various types of color films and e			balance, gross motor, and perceptual motor skills. Individual program-
	s of darkroom activities. PHOT 70 b and c will give the			ch student's needs is provided. Trained assistants are available. This
	o do advanced work in color photography. This course ma			be repeated three times.
three times.				On Enrollment: Any physical limitation.
Advisory Or	n Recommended Preparation: PHOT 1 or equivalent of	college course		
with "C" or b	etter.		PE 66a-d	ADAPTED P.E ARTHRITIS SELF-MANAGEMENT 1 UNIT AND EXERCISE PROGRAM
PHOT 371a-d	PORTRAIT PHOTOGRAPHY	2 UNITS	Hours:	.5 Lecture/Discussion
Hours:	2 Lecture/Discussion			2.5 Activity
DUOT 074	2 Lab			is a tested self-management and exercise program designed to help
PHOT 371a I	s an introduction course in the area of portrait photograph	y. The course		ope with the various challenges caused by arthritis. Trained assistants
	and lab. The students will have the opportunity to studio			e. This course may be repeated three times.
designed to g	ipment used in portrait photography. Portrait PHOT 37 ive the students an opportunity to work with advanced light	ing techniques		On Erollment: Any physical limitation.
	otography and to keep abreast with new and developing		PE 67a-d	ADAPTED P.E PRINCIPLES AND 1 UNIT
this area. T	his course may be repeated three times.	teeninques in		TECHNIQUES (BODY MECHANICS) OF BACK CARE
	Recommended Preparation: PHOT 1 or PHOT 370a	or equivalent	Hours:	.5 Lecture/Discussion
	se with a "C" or better.			2.5 Activity
-			This course i	is designed for individuals with back disorders in developing an exercise
				better body mechanics to help better care for their backs.
	PHYSICAL EDUCATION			may be repeated three times.
			Limitation (On Enrollment: Any physical limitation.
Adapted			PE 68a-d	ADAPTED P.E ADAPTED SWIMMING 1 UNIT
Adapted				AND WATER AEROBICS
PE 52a-d	ADAPTED P.E ADAPTED WEIGHT TRAINING	4 1000T	Hours:	.5 Lecture/Discussion
Hours:	.5 Lecture/Discussion	1 UNIT		2.5 Activity
nours.	2.5 Activity			e-unit course designed for the disabled. It is designed to assist students
This is a on	le unit course for the disabled designed to assist stud	dents in body		g basic swim skills and water survival skills, body development, and
	, maintenance and/or conditioning. Individual program			and/or conditioning through water exercises. Individual programming
student's nee	ds and wants is provided. Trained assistants are available	e. This course		dent's needs is provided. Trained assistants are available. This course eated three times.
• •	ated three times.			On Enrollment: Any physical limitation.
Limitation C	On Enrollment: Any physical limitation.			
PE 55 a-d	ADAPTED P.E SEASONAL	1 UNIT	PE 70a-d	ADAPTED P.E INTRODUCTION TO SPORTS 1 UNIT
	SPORTS FOR THE DISABLED		1	FOR THE DISABLED STUDENT
Hours:	.5 Lecture/Discussion		Hours:	.5 Lecture/Discussion
	2.5 Activity		The sec (4)	2.5 Activity
Each semest	er disabled students will have the opportunity to acquire	the skills that		unit course is designed to assist disabled students to participate in and various indoor/outdoor sports adaptable to the disabled. This class will
are fundame	ntal to swimming, tennis, track, and bowling. The basi	ic skills, rules,		alab/practice, sports drills, and participation in various sports. Individual
strategies, et	iquette, safety procedures, use of equipment and termin	ology needed		for each student's needs is provided. Trained assistants are available.
are covered e	each semester. Trained assistants are available. Repeatab	le three times.		may be repeated three times.
Limitation C	On Enrollment: Any physical limitation.			On Enrollment: Course is designed for individuals with physical
PE 57a-d	ADAPTED P.E PHYSICAL FITNESS	1 UNIT	limitations.	
	AND FLEXIBILITY		İ	
Hours:	1.5 Lecture/Discussion		PE 71a-d	ADAPTED P.E GENERAL CONDITIONING FOR 1 UNIT
	2.5 Activity		l	DISABLED STUDENTS
Assists disal	bled students in developing and maintaining basic p	hysical skills,	Hours:	.5 Lecture/Discussion
•	and attitudes necessary for enjoyable and satisfactory p		This one (1)	2.5 Activity unit course is designed to provide the disabled with the opportunity to
	s, flexibility and sports activities. Trained assistants are	available. This		a general conditioning program to develop fitness. Individual programming
	be repeated three times.			dent's needs is provided. Trained assistants are available. This course
Limitation C	On Enrollment: Any physical limitation.		•	eated three times.
PE 63a-d	ADAPTED P.E BALANCE, RHYTHM,	1 UNIT		On Enrollment: Course is designed for individuals with physical
PE UJANU	& AEROBIC DANCE MOVEMENT FOR		limitations.	
	THE ATYPICAL INDIVIDUAL		1	
Hours:	.5 Lecture/Discussion			
	2.5 Activity			
This course	is designed to help develop balance, rhythm, and a	erobic dance		
movement sk	tills in the disabled student. Students will participate in	various forms	1	
of dance, inc	cluding social, folk, and aerobic dance forms. Trained	assistants are	1	

PHYSICAL EDUCATION

PE 72a-d ADAPTED P.E AQUA-CISE FOR DISABLED 1 UNIT	I PE 2a-d NON-IMPACT AEROBICS 1 UNIT
STUDENTS Hours: .5 Lecture/Discussion	Hours: .5 Lecture 1.5 Activity
2.5 Activity	Non-Impact aerobics is designed specifically for the student who is interested in a
This one (1) unit course is designed to assist disabled students to experience physical fitness through a comprehensive exercise program in the water. Designed for the disabled with no swimming skills. Individual programming for each student's needs is provided. Trained assistants are available. This course may be repeated three times.	incorporating movements where no jumping or bouncing takes place. The non-impact aerobic phase is then followed by a series of muscle toning exercises. This course
times. Limitation On Enrollment: Course is designed for individuals with physica limitations.	FITNESS
PE 73a-d ADAPTED P.E MODIFIED SPORTS AND 1 UNIT GAMES FOR DISABLED STUDENTS	Hours: .5 Lecture/Discussion 1.5 Activity Per Week This course is designed for students who desire to improve their aerobic fitness and the student will demonstrate through welling as inspire how to develop
Hours: .5 Lecture/Discussion 2.5 Activity This course is designed for disabled students to participate in and learn about a variet	
of sports and games. Students will learn basic rules, regulations, skills, strategies and safety procedures that are fundamental to each sport and/or game. Trainer	
assistants are available. This course may be repeated three times. Limitation On Enrollment: Course is designed for individuals with physica	Hours: .5 Lecture/Discussion 1.5 Activity
limitations.	This course is designed as a general introduction to the concepts of strength and body
PE 74a-d ADAPTED P.E CARDIOVASCULAR AND 1 UNIT RESISTANCE TRAINING FOR DISABLED STUDENTS	building. The course will focus on machines, barbells and dumbbells as the vehicle for development of the major muscle groups. This course may be repeated three times.
Hours: .5 Lecture/Discussion 2.5 Activity	PE 52-b ADVANCED STRENGTH AND BODY 2 UNITS BUILDING PRINCIPLES
This course is designed to assist disabled students in developing and maintaining basic fine motor skills, gross motor skills, knowledge, body mechanics, flexibility	
and attitudes necessary to participate in a lifetime fitness program. Individualize programming available for each student's needs. This course may be repeated three	This course is designed for the student who seeks further knowledge in the scientific and theoretical components of resistance training. Inclusive of basic principles of
times. Limitation On Enrollment: Course is designed for individuals with physica limitations.	machines as the vehicle for development of the muscle groups. Proper mechanics
PE 75a-d ADAPTED P.E ADAPTED FITNESS 1 UNIT	of exercise and safety factors are stressed. This course may be repeated one time.
AND BASIC STRETCHING TECHNIQUES Hours: .5 Lecture/Discussion 2.5 Activity	PE 9a-d CONDITIONING FOR TRACK AND FIELD 1 UNIT Hours: .5 Lecture/Discussion 1.5 Activity
This course is designed to help disabled students develop basic fitness skills an stretching techniques. Students will gain knowledge in this area and participate i many various forms of movement. Trained assistants are available. This course ma	Conditioning for Track and Field is a one unit activity course designed to improve the individuals overall fitness through an understanding and application of the basic
be repeated three times. Limitation On Enrollment: Course is designed for individuals with physica limitations.	PE 10a-d FUNDAMENTALS OF BASEBALL 1 UNIT Hours: .5 Lecture/Discussion 1.5 Activity
PE 76a-d ADAPTED P.E ADAPTED CROSS TRAINING 1 UNIT Hours: .5 Lecture/Discussion 2.5 Activity This course will help assist disabled students in structuring, developing, an	This course is designed for the students who wish to learn the fundamental skills of baseball. It will enable the student to communicate the proper fundamentals involved with throwing, fielding, pitching, and batting associated with baseball. This course may be repeated three times.
maintaining body development. Students will gain knowledge in cross training an participate in various activities. Trained assistants are available. This course ma be repeated three times.	
Limitation On Enrollment: Course is designed for individuals with physica limitations.	Circuit/Step Aerobics is designed for students desiring to improve their cardiovascular
General Activities	strength as well as muscular strength in a low impact exercise. Each student will demonstrate, through Circuit/Step Aerobics, a working knowledge of correct form and alignment, cardiovascular strength, flexibility, and muscular strength.
PE 1a-d AEROBIC CONDITIONING 1 UNIT Hours: .5 Lecture 1.5 Activity	PE 12a-d ADVANCED BASEBALL 1 UNIT Hours: .5 Lecture/Discussion
A cardiovascular conditioning class with a secondary emphasis on calisthenics for strength and toning. Exercises are done to music. Fitness concepts are covere with different techniques introduced each semester.	

PHYSICAL EDUCATION

PHYSICAL EDUCATION

PHYSICAL EDUCATION

PE 14a-d Hours:	BASKETBALL .5 Lecture/Discussion	1 UNIT	PE 25a-d Hours:	BASIC SWIMMING .5 Lecture/Discussion	1 UNIT
experienced class. Baske can become	1.5 Activity is designed for any student interested in the spot players and those not familiar with the game are en tball is an enjoyable sport and provides yet one physically fit through competition. This class is co- three time.	couraged to take this more way a student	appropriate of and receive	1.5 Activity ming is a general introduction to swim lass for the beginning swimmer who wants swimming stroke instruction in crawl, i troke, breaststroke and butterfly. This c	to learn aquatic fundamentals back crawl, elementary back-
be repeated PE 15a-d	FUNDAMENTALS	1 UNIT	PE 26a-d	SWIMMING FOR FITNESS	1 UNIT
Hours:	OF FOOTBALL .5 Lecture/Discussion	I UNII	Hours:	.5 Lecture/Discussion 1.5 Activity	
	1.5 Activity			the student who wishes to participate in the	
will understa	ass for students who wish to gain advanced footba nd and develop advanced fundamentals of playing terms of the game of football. This course may be	football, application	the student	liovascular stress and muscular endurand who is interested in lap swimming as a m eated three times.	
PE 16a-d Hours:	CONDITIONING FOR FOOTBALL .5 Lecture/Discussion 1.5 Acitivity	1 UNIT	PE 27 Hours:	BASIC LIFEGUARDING SHORT TERM CLASS (A total of 9 2 Lecture/Discussion	1 UNIT weeks)
	yometric exercises and jump ropes to blend speed		The Pasia I	2 Activity Per Week	m hasis knowledge and skills
Intercollegiat	ess program for students wishing to prepare for h e football. This course may be repeated three time		necessary fo	Ifeguarding course provides the minimu r a person to qualify as an entry level life prequisite for the Water Safety Instructor	guard. This course also helps
PE 17 Hours:	THEORY OF FOOTBALL 2 Lecture/Discussion	2 UNITS	PE 28	WATER SAFETY INSTRUCTOR	2 UNITS
	s designed for the student with an interest in coaching s, strategies and rules will be emphasized.	g football. Philosophy	Hours:	2 Lecture/Discussion 2 Activity	
PE 18a-b	BEGINNING GOLF	1 UNIT		of the Water Safety Instructor course is t nerican Red Cross Water Safety courses	
Hours:	.5 Lecture/Discussion		of the cours	e the student will be able to teach the	following courses: Infant and
the basic fur	1.5 Activity ducation activity class in golf fundamentals. Focus idamentals of playing golf, learning rules and term be repeated one time.		Progressive	Aquatic Program; Longfellow's Whales Swimming Courses (Beginners, Advar d Advanced Swimmer; Basic Water Safe	ced Beginners, Intermediate
PE 19a-b	ADVANCED GOLF	1 UNIT	PE 30a-b Hours:	BEGINNING TENNIS .5 Lecture/Discussion	1 UNIT
Hours:	.5 Lecture/Discussion			1.5 Activity	atudant who wishes to dovelar
The student	1.5 Activity ducation activity class for students who wish to gain will understand and develop advanced fundame f rules, and terms of the game of golf. This course	ntals of playing golf,	an understar	ennis is an activity course designed for the nding and appreciation for the game of ten covered. This course may be repeated	nis. Basic skills, strategies and
time.	Trues, and terms of the game of gon. This course i	may be repeated one	PE 31a-b	ADVANCED Tennis	1 UNIT
PE 21a-d	SOCCER	1 UNIT	Hours:	.5 Lecture/Discussion	
Hours:	.5 Lecture/Discussion 1.5 Activity			1.5 Activity is designed for the advanced tennis play	
experienced	is designed for any student interested in the s players and those not familiar with the game are en ations for this game are thoroughly addressed. So	couraged to take this		mpetition with physical fitness training ar eated one time.	id intra-class play. This course
sport and pr	ovides yet one more way a student can become This class is coed. This course may be repeate	physically fit through	PE 33a-d Hours:	CONDITIONING FOR TENNIS .5 Lecture/Discussion 1.5 Activity	1 UNIT
P.E. 22a-d Hours:	ADVANCED SOFTBALL	1 UNIT	player's skill	for Tennis is a activity course designed through dynamic resistance exercises an eated three times.	
Advanced sk	• 1.5 Activity education activity class for students to gain adv ills in throwing, fielding, batting and pitching a softb		PE 34a-b	BEGINNING	1 UNIT
practiced. The	nis course may be repeated three times.		Hours:	VOLLEYBALL .5 Lecture/Discussion	
PE 23a-d	FUNDAMENTALS OF FAST PITCH SOFTBALL	1 UNIT	Developmen	1.5 Activity t of basic fundamental skills in volleybal	I through drills and play. This
Hours:	.5 Lecture 1.5 Activity			be repeated one time.	-
to play the g	designed for the student who wants to learn the nec ame of fast-pitch softball. Elementary skills of throw be taught and practiced. This course may be rep	ing, field, batting and			

PHYSICAL EDUCATION

Course Descriptions

PE 35a-b Hours:	ADVANCED VOLLEYBALL .5 Lecture/Discussion 1.5 Activity	1 UNIT	PE 188 Hours:	PEAK PERFORMANCE 3 Lecture/Discussion 6 Homework	3 UNITS
volleyball skil of playing vol	education activity class for students who wish ls. The student will understand and develop adv lleyball, application of rules, and terms of the gan be repeated one time.	anced fundamentals	how to impro to attain com	xamine peak performance as it relates to a variety ve performance, effects of coaching styles on ath ppliance of athletes to their rehabilitation regime a psychological perspective.	letes' self-efficacy, how
PE 36	INTRODUCTION To physical education	3 UNITS	PE 243a-d Hours:	CONDITIONING FOR PEP SQUAD 3 Activity	1 UNIT
Hours:	3 Lecture/Discussion 6 Homework		Conditioning performing sl	for Varsity Performance (Pep Squad) is des kills of the Pep Squad by improving cardiovascul	ar output and muscular
includes pro concepts, car	is designed to introduce the student to physical ec ofessional foundations of physical education, l reers, and the future of the discipline. It is present	history, philosophy, nted in a format that	be repeated		
	valuable to anyone thinking about entering the te		PE 301a-d Hours:	AQUA CALISTHENICS .5 Lecture/Discussion	1 UNIT
PE 37	INTRODUCTION TO THEORY OF COACHING	2 UNITS		1.5 Activity enics is a P.E. activity course designed for studen	
-	2 Lecture/Discussion the student wishing to gain knowledge of coaching mmon problems and solutions will also be cover		swimming sk	mprove their cardiovascular fitness level in an aq ills are necessary. This course may be repea	ited three times.
PE 116a-d Hours:	STRETCH AND TONE .5 Lecture/Discussion	1 UNIT	PE 495a-d Hours:	FITNESS FOR SENIOR CITIZENS .5 Lecture/Discussion 1 Activity	0 UNITS
nouis.	1.5 Activity 1 Homework			is considered mild exercise and is basically des consists of various stretching, bending, twisting an	
effectively st	e designed for all fitness levels. Students will lear rengthen and stretch the major body muscle grou nt. This course may be repeated three times.	n how to safely and ips with correct form		ile sitting in a chair. This course may be repea	
PE 119	NUTRITION FOR FITNESS,	3 UNITS		PHYSICAL SCIENCE	
Hours: Cross Ref:	3 Lecture/Discussion NUTR 119 HW 119		PSCI 12 Hours:	INTRODUCTION TO PHYSICAL SCIENCE 3 Lecture/Discussion 2 Lab	3 UNITS
	s designed to acquaint students with the nutritiona	والمعمد والمتعارية والمعمد الم			
active perso				6 Homework based course in physical science designed t	to meet the laboratory
information a in the relation	ns. Topics include special nutritional needs, e nd application of personal food choices. Open to a nship between nutrition, exercise and total fitness ted in recreational and competitive sports.	valuation of current	science requi emphasizes include obse	based course in physical science designed to irement for transfer students who are not science the methods and reasoning used in the physical invation and interpretation, measurement, laws of	ce majors. This course sical sciences. Topics of nature, characteristic
information a in the relation	ns. Topics include special nutritional needs, e nd application of personal food choices. Open to a nship between nutrition, exercise and total fitness	valuation of current	science requi emphasizes include obse properties, u Advisory O	based course in physical science designed to irement for transfer students who are not science the methods and reasoning used in the physical	ce majors. This course sical sciences. Topics of nature, characteristic on of substances. 15 or 215 or equivalent
information a in the relation those interes	ns. Topics include special nutritional needs, e ind application of personal food choices. Open to a nship between nutrition, exercise and total fitness sted in recreational and competitive sports. PHYSICAL EDUCATION FOR THE EQUESTRIAN .5 Lecture/Discussion 1.5 Activity	valuation of current ill students interested . Recommended for	science requ emphasizes include obse properties, u Advisory O college cours Placement P	based course in physical science designed to irement for transfer students who are not science the methods and reasoning used in the phys ervation and interpretation, measurement, laws of incertainty, solubility, compounds and separation n Recommended Preparation: MATH 200, 20	ce majors. This course sical sciences. Topics of nature, characteristic on of substances. 15 or 215 or equivalent as determined by COS course with "C" or better,
information a in the relation those interes PE 121a-d Hours: Cross Ref:	ns. Topics include special nutritional needs, e ind application of personal food choices. Open to a nship between nutrition, exercise and total fitness sted in recreational and competitive sports. PHYSICAL EDUCATION FOR THE EQUESTRIAN .5 Lecture/Discussion 1.5 Activity 1.0 Homework ASCI 121a-d	valuation of current ill students interested . Recommended for 1 UNIT	science requ emphasizes include obse properties, u Advisory O college cours Placement P	based course in physical science designed to irement for transfer students who are not science the methods and reasoning used in the phys ervation and interpretation, measurement, laws of incertainty, solubility, compounds and separation in Recommended Preparation: MATH 200, 20 se with "C" or better, or eligibility for MATH 230 rocedures; and ENGL 251 or equivalent college c for ENGL 1 as determined by COS Placement INTRODUCTION TO	ce majors. This course sical sciences. Topics of nature, characteristic on of substances. 15 or 215 or equivalent as determined by COS course with "C" or better,
information a in the relation those interes PE 121a-d Hours: Cross Ref: A one unit ac an understan	ns. Topics include special nutritional needs, e ind application of personal food choices. Open to a nship between nutrition, exercise and total fitness sted in recreational and competitive sports. PHYSICAL EDUCATION FOR THE EQUESTRIAN .5 Lecture/Discussion 1.5 Activity 1.0 Homework	valuation of current Il students interested . Recommended for 1 UNIT verall fitness through	science requ emphasizes include obse properties, u Advisory O college cours Placement P or eligibility	based course in physical science designed to irement for transfer students who are not science the methods and reasoning used in the physi- rvation and interpretation, measurement, laws of incertainty, solubility, compounds and separatic in Recommended Preparation: MATH 200, 20 se with "C" or better, or eligibility for MATH 230 rocedures; and ENGL 251 or equivalent college c for ENGL 1 as determined by COS Placement INTRODUCTION TO PHYSICAL SCIENCE-HONORS 3 Lecture/Discussion 2 Lab	ce majors. This course sical sciences. Topics of nature, characteristic on of substances. 15 or 215 or equivalent as determined by COS course with "C" or better, Procedures.
information a in the relation those interes PE 121a-d Hours: Cross Ref: A one unit ac an understan This course PE 132a-b	ns. Topics include special nutritional needs, e ind application of personal food choices. Open to a nship between nutrition, exercise and total fitness sted in recreational and competitive sports. PHYSICAL EDUCATION FOR THE EQUESTRIAN .5 Lecture/Discussion 1.5 Activity 1.0 Homework ASCI 121a-d stivity course designed to improve the individual's o iding and application of the basic principles and tech is repeatable three times. INTERMEDIATE TENNIS	valuation of current Il students interested . Recommended for 1 UNIT verall fitness through	science requ emphasizes include obse properties, u Advisory Of college cours Placement P or eligibility PSCI 12H Hours: A laboratory	based course in physical science designed to irrement for transfer students who are not science the methods and reasoning used in the physi- invation and interpretation, measurement, laws of incertainty, solubility, compounds and separation in Recommended Preparation: MATH 200, 20 se with "C" or better, or eligibility for MATH 230 rocedures; and ENGL 251 or equivalent college of for ENGL 1 as determined by COS Placement INTRODUCTION TO PHYSICAL SCIENCE-HONORS 3 Lecture/Discussion 2 Lab 6 Homework based course in physical science designed	ce majors. This course sical sciences. Topics of nature, characteristic on of substances. 5 or 215 or equivalent as determined by COS sourse with "C" or better, Procedures. 3 UNITS to meet the laboratory
information a in the relation those interes PE 121a-d Hours: Cross Ref: A one unit ac an understan This course	ns. Topics include special nutritional needs, e ind application of personal food choices. Open to a nship between nutrition, exercise and total fitness sted in recreational and competitive sports. PHYSICAL EDUCATION FOR THE EQUESTRIAN .5 Lecture/Discussion 1.5 Activity 1.0 Homework ASCI 121a-d tivity course designed to improve the individual's o iding and application of the basic principles and tech is repeatable three times. INTERMEDIATE TENNIS .5 Lecture/Discussion 1.5 Activity	evaluation of current ill students interested . Recommended for 1 UNIT everall fitness through hniques of equitation.	science requ emphasizes include obse properties, u Advisory Of college cours Placement P or eligibility PSCI 12H Hours: A laboratory science requ emphasizes	based course in physical science designed to irrement for transfer students who are not science the methods and reasoning used in the physi- invation and interpretation, measurement, laws of incertainty, solubility, compounds and separation in Recommended Preparation: MATH 200, 20 se with "C" or better, or eligibility for MATH 230 rocedures; and ENGL 251 or equivalent college of for ENGL 1 as determined by COS Placement INTRODUCTION TO PHYSICAL SCIENCE-HONORS 3 Lecture/Discussion 2 Lab 6 Homework based course in physical science designed irrement for transfer students who are not science the methods and reasoning used in the physical science the methods and reasoning used in the physical interpretation of the students who are not science the methods and reasoning used in the physical interpretation of the students who are not science interpretation of the students who are not science in the physical science designed in the	ce majors. This course sical sciences. Topics of nature, characteristic on of substances. 5 or 215 or equivalent as determined by COS sourse with "C" or better, Procedures. 3 UNITS to meet the laboratory ce majors. This course sical sciences. Topics
information a in the relation those interes PE 121a-d Hours: Cross Ref: A one unit ac an understan This course PE 132a-b Hours: This course participant fo	ns. Topics include special nutritional needs, e ind application of personal food choices. Open to a nship between nutrition, exercise and total fitness sted in recreational and competitive sports. PHYSICAL EDUCATION FOR THE EQUESTRIAN .5 Lecture/Discussion 1.5 Activity 1.0 Homework ASCI 121a-d tivity course designed to improve the individual's o ding and application of the basic principles and teck is repeatable three times. INTERMEDIATE TENNIS .5 Lecture/Discussion	evaluation of current ill students interested . Recommended for 1 UNIT everall fitness through hniques of equitation. 1 UNIT	science requ emphasizes include obse properties, u Advisory Of college cours Placement P or eligibility PSCI 12H Hours: A laboratory science requ emphasizes include obse properties, u cause this is assignments	based course in physical science designed to irrement for transfer students who are not science the methods and reasoning used in the physi- rvation and interpretation, measurement, laws of incertainty, solubility, compounds and separation in Recommended Preparation: MATH 200, 200 se with "C" or better, or eligibility for MATH 230 rocedures; and ENGL 251 or equivalent college of for ENGL 1 as determined by COS Placement INTRODUCTION TO PHYSICAL SCIENCE-HONORS 3 Lecture/Discussion 2 Lab 6 Homework based course in physical science designed irrement for transfer students who are not science the methods and reasoning used in the physical incertainty, solubility, compounds and separation a Honors course, the students will be asked to of and to work more independently. The overall	ce majors. This course sical sciences. Topics of nature, characteristic on of substances. 5 or 215 or equivalent as determined by COS sourse with "C" or better, Procedures. 3 UNITS to meet the laboratory ce majors. This course sical sciences. Topics of nature, characteristic on of substances. Be- to more complex writing
information a in the relation those interes PE 121a-d Hours: Cross Ref: A one unit ac an understan This course PE 132a-b Hours: This course participant fo	ns. Topics include special nutritional needs, e ind application of personal food choices. Open to a inship between nutrition, exercise and total fitness sted in recreational and competitive sports. PHYSICAL EDUCATION FOR THE EQUESTRIAN .5 Lecture/Discussion 1.5 Activity 1.0 Homework ASCI 121a-d stivity course designed to improve the individual's of ding and application of the basic principles and tech is repeatable three times. INTERMEDIATE TENNIS .5 Lecture/Discussion 1.5 Activity 1.0 Homework is designed for the intermediate tennis player or tennis competition with intra-class play and spec skill level. This course may be repeated once. VARSITY PERFORMANCE-PEP SQUAD/FL 2 Lecture/Discussion	evaluation of current ill students interested . Recommended for 1 UNIT everall fitness through hniques of equitation. 1 UNIT . It will prepare the ific sport related drills	science requ emphasizes include obse properties, u Advisory O college cours Placement P or eligibility PSCI 12H Hours: A laboratory science requ emphasizes include obse properties, u cause this is assignments will increase Prerequisite or eligibility f	based course in physical science designed to irrement for transfer students who are not science the methods and reasoning used in the physi- rvation and interpretation, measurement, laws of incertainty, solubility, compounds and separatic in Recommended Preparation: MATH 200, 20 see with "C" or better, or eligibility for MATH 230, 20 rocedures; and ENGL 251 or equivalent college of for ENGL 1 as determined by COS Placement INTRODUCTION TO PHYSICAL SCIENCE-HONORS 3 Lecture/Discussion 2 Lab 6 Homework r based course in physical science designed interment for transfer students who are not science the methods and reasoning used in the physical incertainty, solubility, compounds and separatic a Honors course, the students will be asked to or and to work more independently. The overall a. : MATH 200, 205 or 215 or equivalent college of for MATH 230 as determined by COS Placement	ce majors. This course sical sciences. Topics of nature, characteristic on of substances. 5 or 215 or equivalent as determined by COS sourse with "C" or better, Procedures. 3 UNITS to meet the laboratory ce majors. This course sical sciences. Topics of nature, characteristic on of substances. Be- lo more complex writing level of rigor and pace ourse with "C" or better,
information a in the relation those interess PE 121a-d Hours: Cross Ref: A one unit ac an understan This course PE 132a-b Hours: This course participant fo to increase s PE 142a-d Hours: Varsity Perfo and provide of	ns. Topics include special nutritional needs, e ind application of personal food choices. Open to a inship between nutrition, exercise and total fitness sted in recreational and competitive sports. PHYSICAL EDUCATION FOR THE EQUESTRIAN .5 Lecture/Discussion 1.5 Activity 1.0 Homework ASCI 121a-d etivity course designed to improve the individual's of ding and application of the basic principles and tech is repeatable three times. INTERMEDIATE TENNIS .5 Lecture/Discussion 1.5 Activity 1.0 Homework is designed for the intermediate tennis player or tennis competition with intra-class play and speci skill level. This course may be repeated once. VARSITY PERFORMANCE-PEP SQUAD/FL	An avaluation of current Il students interested Recommended for 1 UNIT Verall fitness through hniques of equitation. 1 UNIT It will prepare the fic sport related drills AG 2 UNITS ills of the Pep Squad	science requ emphasizes include obse properties, u Advisory O college cours Placement P or eligibility PSCI 12H Hours: A laboratory science requ emphasizes include obse properties, u cause this is assignments will increase Prerequisite or eligibility f 1 or equival	based course in physical science designed to irrement for transfer students who are not science the methods and reasoning used in the physi- rvation and interpretation, measurement, laws or incertainty, solubility, compounds and separation in Recommended Preparation: MATH 200, 200 se with "C" or better, or eligibility for MATH 230 rocedures; and ENGL 251 or equivalent college or for ENGL 1 as determined by COS Placement INTRODUCTION TO PHYSICAL SCIENCE-HONORS 3 Lecture/Discussion 2 Lab 6 Homework r based course in physical science designed the methods and reasoning used in the phys evation and interpretation, measurement, laws uncertainty, solubility, compounds and separatio a Honors course, the students will be asked to or and to work more independently. The overall a. : MATH 200, 205 or 215 or equivalent college or	ce majors. This course sical sciences. Topics of nature, characteristic on of substances. 5 or 215 or equivalent as determined by COS sourse with "C" or better, Procedures. 3 UNITS to meet the laboratory ce majors. This course sical sciences. Topics of nature, characteristic on of substances. Be- to more complex writing level of rigor and pace ourse with "C" or better, Procedures; and ENGL

PHYSICAL EDUCATION

PHYSICAL SCIENCE

PSCI 20	PHYSICAL SCIENCE	3 UNITS
Hours:	3 Lecture/Discussion	
	2 Lab	

A laboratory course in physical science designed to meet the laboratory science requirement for transfer students who are not science majors. Topics include concepts, theories, and principles of physics, chemistry, astronomy and earth science. The course provides opportunities for students to learn reasoning skills and a new way of thinking about their environment. Course will present applications of concepts and theories to topics of current interest.

Advisory On Recommended Preparation: MATH 200, 205 or MATH 215 or equivalent college course with "C" or better, or eligibility for MATH 230 as determined by COS Placement Procedures; and ENGL 360 or equivalent college course with "C" or better, or eligibility for ENGL 251 determined by COS Placement Procedures.

PSCI 350	FUNDAMENTALS OF PHYSICAL SCIENCE	3 UNITS
Hours:	3 Lecture/Discussion	
	2 Lab	

This class will introduce the student to the fundamental reasoning and methods used in the physical sciences. It is designed to help students develop the competence and confidence necessary for successful college study in both academic and vocational courses.

PHYSICS

PHYS 5 PHYSICS FOR SCIENTISTS AND ENGINEERS 1 4 UNITS Hours: 4 Lecture/Discussion 2 Lab

This is the first semester of a three semester introductory calculus-based physics course. It is a fundamental treatment of the general principles of physics for engineering and physical science majors. Topics included are statics, kinematics, dynamics of particles and rigid bodies, simple harmonic motion and mechanical properties of solids. CAN PHYS 8; CAN PHYS SEQ B includes PHYSICS 5, 6, and 7. **Prerequisites:** MATH 75 or equivalent college course with "C" or better.

PHYS 6 PHYSICS FOR SCIENTISTS AND ENGINEERS 2 4 UNITS Hours: 4 Lecture/Discussion

2 Lab

This is the second semester of a three semester introductory calculus-based physics course. It is a fundamental treatment of the general principles of physics for the engineering and physics major. Topics included are mechanical properties of matter, fluid mechanics, wave motion, thermodynamics, and electrostatics. CAN PHYS SEQ B includes PHYS 5,6, and 7.

Prerequisites: PHYS 5 or equivalent college course with "C" or better.

PHYS 7 PHYSICS FOR SCIENTISTS AND ENGINEERS 3 4 UNITS Hours: 4 Lecture/Discussion 2 Lab

This is the third semester of a three semester introductory calculus-based physics course. It is a fundamental treatment of the general principles of physics for the engineering and physics majors. Topics included are electricity, magnetism, and optics. CAN PHYS SEQ B includes PHYS 5, 6, and 7.

Prerequisites: PHYS 6 or equivalent college course with "C" or better.

PHYS 20	GENERAL PHYSICS 1	4 UNITS
Hours:	4 Lecture/Discussion	
	2 ah	

This is the first semester of a two-semester introductory non-calculus based physics course. This course includes laboratory experiments in addition to lectures. It is required for premedical, predental, prepharmacy, and occasionally science and math students. Topics included are statics; kinematics, dynamics of particles and rigid bodies, simple harmonic motion, and thermal physics. CAN PHYS 2. Prerequisites: MATH 154 or equivalent college course with "C" or better.

PHYSICS

Course Descriptions

PHYS 21 GENERAL PHYSICS 2 Hours: 4 Lecture/Discussion 2 Lab 4 UNITS

3 UNITS

This is the second semester of a two-semester introductory non-calculus based physics course. This course includes laboratory experiments in addition to lectures. It is required for premedical, predental, prepharmacy, and occasionally science and math students. Topics included are: electricity and magnetism, optics, modern and nuclear physics. CAN PHYS 4.

Prerequisite: PHYS 20 or equivalent college course with "C" or better.

PLANT SCIENCE

PLSI 1 INTRODUCTION TO PLANT SCIENCE Hours: 3 Lecture/Discussion

1 Lab

6 Homework

This course is designed to provide the students with a working knowledge of the fundamental structures and processes of plants. Principles to be applied cover plant structures, physiology, heredity, environmental relationship to growth, adaptation, and management of crops. Techniques of research, exploration of plant growth, and identification of economical crops will be included. CAN AG 8.

Advisory on Recommended Preparation: ENGL 251 or equivalent college course with a "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

PLSI 12 Hours:	FRUIT AND NUT TREE PRODUCTION 3 Lecture/Discussion	3 UNITS
nours	3 Legiare/Discussion	
	1 Lab	

An introductory course in California fruit and nut tree production. Basic cultural and management practice in nut, stone, and pome fruits are included in this course. Advisory On Recommended Preparation: PSCI 1 or equivalent college course with "C' or better.

PLSI 102	ROW CROPS	3 UNITS
Hours:	3 Lecture/Discussion	
	1 Lab	

The production principles and management practices for row crops including cotton, corn, and sugar beets in the San Joaquin Valley.

Advisory On Recommended Preparation: PLSI 1 or equivalent college course with "C" or better.

PLSI 103	CEREALS AND OIL CROPS		3 UNITS
Hours:	3 Lecture/Discussion		
	1 Lab		

The production principles for small grains including sorghums and oilcrops in the San Joaquin Valley. Fundamental taxonomy, botany and cultural practices including tillage, planting, irrigation, pest control and harvesting are taught.

- PLSI 104 FORAGE CROPS
- Hours: 3 Lecture/Discussion
 - 1 Láb
 - 5 Homework

A study of the common forage crops: alfalfa, silages, permanent pastures, and natural ranges. Cultural practices to be studied will include: land preparation, irrigation needs, fertilization, seeding rates, methods of utilization, grazing silage or dry hay, and harvesting.

PLSI 105	WEEDS AND WEED CONTROL	3 UNITS
Hours:	3 Lecture/Discussion	
	1 Lab	

This course covers identification, cultural, chemical, and biological control or prevention of the major weeds affecting crops and livestock in the Tulare-Kings counties area.

3 UNITS

PLANT SCIENCE

PLSI 110 Hours:	INTEGRATED PEST MANAGEMENT 3 Lecture/Discussion 1 Lab	3 UNITS	PSY 10 Hours: A compreher	HUMAN SEXUALITY 3 Lecture/Discussion nsive introduction to the biological, page	3 UNITS sychological and sociocultural
produced in t	6 Homework arious pest management practices used in he San Joaquin Valley. Emphasis on biologic d legal methods of control.		Prerequisite: Advisory O	uman sexual behavior. s: PSY 1 or equivalent college course n Recommended Preparation: ENC C" or better, or eligibility for ENGL 1 o	GL 251 or equivalent college
PSCI 111 Hours:	CITRUS PRODUCTION 2 Lecture/Discussion	3 UNITS	PSY 34	ABNORMAL PSYCHOLOGY	3 UNITS
areas of pro botany, comr citrus region practices, tre pruning, han	2 Lab portance of the citrus industry. Topics include oduction, environmental requirements and nercial varieties and rootstocks. Critical eval s around the world. Orchard planning an e management, pest and disease control, vesting, and marketing.	citrus climatology, citrus uation and comparison of nd development, nursery irrigation and fertilization,	psychology. behavior in o Prerequisite: Advisory O	3 Lecture/Discussion s designed to present a broad general It utilizes the many theoretical views order to explore the nature and develop PSY 1 or equivalent college course n Recommended Preparation: ENC C" or better, or eligibility for ENGL 1 of	of psychopathology in human ment of these deviations. with "C" or better. GL 251 or equivalent college
PSCI 113 Hours:	GRAPE AND VINE PRODUCTION 3 Lecture/Discussion	3 UNITS	PSY 39	CHILD DEVELOPMENT-DS1	3 UNITS
This course a study of th	1 Lab is a survey of the grape industry, grape variu in cultural practices of table and wine grape in Recommended Preparation: PLSI 1 or	production in California.	Hours: Cross Ref: A study of the language development development adolescent development	3 Lecture/Discussion	il, moral, social, emotional and h which covers prenatal through bry and practical application. It
This	POLITICAL SCIENC discipline has now been changed to Go			ocial services, health and law enforcem	aent. CAN FCS 14
			PSY 130	INTRODUCTION TO BEHAVIOR MODIFICATION	3 UNITS
	PORTUGUESE		Hours:	3 Lecture/Discussion	
Portuguese. universities w	ELEMENTARY PORTUGUESE 4 Lecture/Discussion 8 Homework s an introductory course in understanding, spe This course is designed for students who ar ith foreign language requirements. It is also us education or any field which involves Portug	e transferring to four-year eful for students interested	a career in developing ta wlll combine behavior. Prerequisite Advisory O	r course is designed for teachers, parapr psychology. Students will develop urget behaviors and implenting a behavio both the theoretical and practical mo s: PSY 1 or equivalent college course n Recommended Preparation: ENG 'C" or better, or eligibility for ENGL 1 of	skills in assessing behavlor, or change program.This course dels for understanding human with "C" or better. GL 251 or equivalent college
	PSYCHOLOGY		PSY 133	PERSONAL AND SOCIAL GROWTH	3 UNITS
facts and pr adjustment, scientific me	GENERAL PSYCHOLOGY 3 Lecture/Discussion nvolves an introduction to the field of psychol incipies involved in learning, development and the physiological bases of behavior. thod as employed in psychology are presen hose concepts which relate to an understandin	, motivation, personality, The basic concepts and ted. Particular emphasis	being and hi behavior and	3 Lecture/Lab urvey of psychological principles which c s/her relationship with others. The main personality traits which most improve pecific topics may include love, sex, e	n focus is on understanding the or interfere with realizing one's
PSY 2 Advisory Or	Recommended Preparation: ENGL 251 or	equivalent college course	PSY 250 Hours:	INTRODUCTION TO BASIC PSYCHOLOGY 3 Lecture/Discussion	3 UNITS
with C or De	etter, or eligibiliy for ENGL 1 determined by CC	55 Placement Procedures.	This course	presents the principles and findings of	
PSY 5 Hours:	SOCIAL PSYCHOLOGY 3 Lecture/Discussion 6 Homework FOR DISTANCE LEARNING	3 UNITS	and interpers	pplication by the individual in daily life. onal relations are among the many topi o a university.	
A scientific interactions v by others, i. group dynam Psychology Prerequisite skills and kr	exploration and application of the psycho- with one another and the way thoughts, feelings e., perception, roles, conformity, prejudice, aics. Course is interdisciplinary and draws on and Sociology. s: PSY 1 or equivalent college course with ' nowledge as determined by departmental a: n Recommended Preparation: ENGL 2	and actions are influenced aggression, altruism and the fields of Anthropology, C" or better or equivalent ssessment.			
	"C" or better, or eligiblity for ENGL 1 deterr				

PSYCHOLOGY

REAL ESTATE

REAL 140 REAL ESTATE PRINCIPLES **3 UNITS** 3 Lecture/Discussion Hours:

A general survey of the Real Estate industry in California emphasizing basic real estate principles. Tracing of a typical real property transaction from beginning to completion. Real property ownership and investments are explored. This course will be an aid to those planning to take the California State Real Estate Brokers or Salesman Examination but should not be contrived as a prep course in itself. The pros and cons of real estate as a career are discussed and should be a help to someone who is exploring real estate as a vocation.

REAL ESTATE FINANCE REAL 141 **3 UNITS** Hours: **3 Lecture/Discussion**

This course covers the ways to finance real estate, provisions regarding real estate financing, and the various taxation aspects of real estate finance.

Advisory On Recommended Preparation: REAL 140 or equivalent college course with "C" or better.

REAL 142 REAL ESTATE LAW **3 UNITS** Hours: **3 Lecture/Discussion**

This course covers the practical applications of real estate law, utilizing illustrative cases and examples designed to help avoid legal difficulties arising from real estate transactions, instruments, zoning, and planning. This course is aimed at career minded people, both already in the real estate business and those planning to enter it. This course is required for the California Real Estate Brokers examination. Advisory On Recommended Preparation: REAL 140 or equivalent college course with "C" or better.

REAL 143 REAL ESTATE ECONOMICS **3 UNITS** 3 Lecture/Discussion Hours:

REAL 143, Real Estate Economics, is a field of study that uses economic principles to help solve Real Estate problems. The student will be exposed to techniques in analyzing national, regional, city and neighborhood trends in an effort to interpret what effect these trends will have on the Real Estate market. This course qualifies towards the AA/AS degree, Real Estate Career Certificate Program, and the California Real Estate Brokers License.

REAL 144 REAL ESTATE PRACTICE **3 UNITS** 3 Lecture/Discussion Hours:

This course is a study of the day-to-day operations in real estate sales and brokerage activities. The course is designed to fill one of the requirements for Real Estate Broker and covers material specific to the State of California.

Advisory On Recommended Preparation: REAL 140 or equivalent college course with "C" or better.

REAL 145 REAL ESTATE APPRAISAL **3 UNITS** 3 Lecture/Discussion Hours:

This course is an introductory course in basic residential appraisal techniques emphasizing the cost, market and income approach. The student develops skills in residential appraising. This course is part of the course work necessary for the California Real Estate Broker's Examination.

Advisory On Recommended Preparation: REAL 140 or equivalent college course with "C" or better.

SIGN LANGUAGE STUDIES (See AMERICAN SIGN LANGUAGE)

SOCIAL SCIENCE

3 UNITS

SSCI 110 INTRODUCTION TO WOMEN'S STUDIES

Hours:

3 Lecture/Discussion 6 Homework

This is an interdisciplinary course which introduces men and women to women's studies and the women's movement, including the biopsychosocial, cultural, economic and political forces which define sex and gender roles in society. Emphasis is on comparing sex and gender role socialization factors among people of different ethnicities (Asian, Afro-American, Hispanic, Latin, Caucasian, Native American, etc.)

SOCIAL SCIENCE

SSCI 136 INTRODUCTION TO AGING Hours: 3 Lecture/Discussion 6 Homework Cross Ref: CFS 136 **NURS 136** An introductory course covering topics in gerontology/aging; demographics, theo-

ries, concepts, perspectives, and research, including biophysical, osychosocial, cultural, political, and ethnic topics which impact individuals, families, and society.

SSCI 276 AMERICA 3 Lecture/Discussion Hours: 6 Homework

A course in which films and discussions emphasize the inter-relationship in the students' life of social, cultural, political, and economic forces in an evolutionary setting. Designed to fulfill the Social Science AA/AS degree requirement for students in the two year program. This course covers the time period from 1000 A.D. until the present.

SOCIOLOGY

SOC 1	INTRODUCTION
	TO SOCIOLOGY

3 Lecture/Discussion Hours:

SOC 1 is an introductory course covering basic principles and concepts, including culture, personality, social inequality, institutions, population and ecology, and social change. CAN SOC 2.

Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

SOC 2	THE SOCIOLOGY OF	3 UNITS
	SOCIAL PROBLEMS	
11	0. Leature/Discussion	

Hours: **3 Lecture/Discussion**

This course covers a broad array of topics that analyze and explain the dynamics of many different social problems. The student will examine the American system of government, the quality of education, the modern family, the rich and the poor, patterns of ethnic relations, health and illness, gender inequality, sexual behavior, drugs and drug addiction, causes and distribution of crime, personal violence, urbanization, population dynamics, the environmental crisis, and the causes and consequences of warfare. CAN SOC 4.

Advisory On Recommended Preparation: ENGL 1 or equivalent college course with "C" or better.

SOC 26 MARRIAGE AND FAMILY LIFE **3 UNITS** Hours: 3 Lecture/Discussion 6 Homework

Cross Ref: CFS 26

This course covers the following topics in marriage and family: dating and mateselection, communications and conflict resolution, dual career families, human sexuality, family planning, parenthood, divorce and remarriage, changing gender roles and family economics. CAN FCS 12.

SPANISH

SPAN 1 **ELEMENTARY SPANISH 1** Hours: 4 Lecture/Discussion

4 UNITS

SPAN 1 is an introductory course in understanding, speaking, reading and writing Spanish. This course is designed for students who are transferring to four-year universities with foreign language requirements. It is also useful for students interested in bilingual education or any field which involves Spanish. CAN SPAN 2.

Course Descriptions

3 UNITS

3 UNITS

3 UNITS

SPANISH

SPAN 2 ELEMENTARY SPANISH 2 4 UNITS Hours: 4 Lecture/Discussion 3 SPAN 2 is the second course in a four-course series. It teaches students to communicate at a basic level in Spanish. Students build on the skills they have learned in Spanish 1 while continuing to study the culture and language of the Hispanic world. CAN SPAN 4. Prerequisites: SPAN 1 or equivalent college course with "C" or better, or one year of high school Spanish with "C" or better, or equivalent skills as determined by department assessment.	SPAN 160CRIMINAL LAW TERMS IN SPANISH1 UNITHours:1 Lecture/DiscussionCross Ref:PARA 160This elective course presents the Spanish language equivalents to American legal terminology used in the criminal justice system. It is recommended for court interpreters, paralegals, administration of justice majors and people working in law enforcement.Advisory On Recommended Preparation:SPAN 2 or equivalent college course with "C" or better, or 2 years of high school Spanish with "C" or better, or equivalent bilingual background.
SPAN 3 INTERMEDIATE SPANISH 4 UNITS Hours: 4 Lecture/Discussion 4 Lecture/Discussion SPAN 3 is an intermediate course in a four-course series. It teaches students to communicate on a sophisticated level, both orally and in writing. It builds on concepts learned in SPAN 1 and 2. It also improves student's reading ability and provides dialogue on cultural topics. CAN SPAN 8. Prerequisites: SPAN 2 or equivalent college course with "C" or better, or one year of high school Spanish with "C" or better, or equivalent skills as determined by department assessment.	SPAN 360a-bCOURT INTERPRETING3 UNITSHours:3 Lecture/DiscussionSpanish language equivalents to American legal terminology is presented in an overview of procedures, common misdemeanors and common felonies. Familiar- ization with the Rules of Court and the role of the interpreter is covered as well as the implementation of the various techniques of interpreting within role playing. This course may be repeated one time.
SPAN 4 ADVANCED SPANISH 4 UNITS Hours: 4 Lecture/Discussion 4 UNITS SPAN 4 is the most advanced course in this four-course series. It teaches students to communicate fluently in Spanish. Fluency is achieved through review of SPAN 1, 2 and 3 and the added study of advanced grammar (including accents and punctuation). Conversation is an important component of this class and centers around current events in Hispanic countries. CAN SPAN 10.	SPECIAL TOPICS ALL COURSES NUMBERED 199 SPECIAL TOPICS COURSES .5-4 UNITS Hours: 16 Lecture per unit 48 Lab per unit
Prerequisite: SPAN 3 or equivalent college course with "C" or better, or three years of high school Spanish with "C" or better, or equivalent skills as determined by department assessment.	32 Homework per unit Special topics are specialized studies or projects that are especially designed by instructors and students to enrich the learning experience in a discipline. <u>Credit in</u> <u>Special Topics 199 is transfer level.</u>
SPAN 12 HISPANIC LITERATURE 3 UNITS Hours: 3 Lecture/Discussion 3 UNITS An interpretive analysis of Hispanic literature since the turn of the 20th Century. Through directed readings, discussions and writing, the students critique and analyze so as to interpret the prominent themes among Hispanic writers. This course analyzes the relationships between the genres which reflect the expression of Hispanic culture. Prerequisites: SPAN 4 or equivalent college course with "C" or better, or permission of department.	ALL COURSES NUMBERED 299 SPECIAL TOPICS COURSES .5-4 UNITS Hours: 16 Lecture per unit 48 Lab per unit 32 Homework per unit Special topics are specialized studies or projects that are especially designed by instructors and students to enrich the learning experience in a discipline. <u>Credit in</u> <u>Special Topics 299 is non-transferable.</u>
SPAN 22 SPANISH 2 FOR BILINGUAL STUDENTS 4 UNITS Hours: 4 Lecture/Discussion 4 UNITS This course is designed to improve the written and oral communication skills of Spanish-speaking students. It is equivalent to SPAN 2, although more emphasis is placed on reading and writing for the native speaker. Prerequisite: Student should have a bilingual background; and SPAN 1 or equivalent college course with "C" or better, or one year of high school Spanish with "C" or better, or permission of department.	ALL COURSES NUMBERED 499 SPECIAL TOPICS COURSES 0 UNITS Hours: Variable Special topics are specialized studies or projects designed to allow in-depth study of topical problems, ideas or concepts in a discipline. This <u>nontransferable</u> , <u>noncredit</u> course is intended to meet the special curricular needs of a group of students or to meet the short-term or acute needs of the community.
SPAN 23 SPANISH 3 FOR BILINGUAL STUDENTS 4 UNITS Hours: 4 Lecture/Discussion	SPEECH
A continuation of SPAN 22. This course is for native speakers who wish to improve their written and oral communication skills. It is equivalent to SPAN 3. Advisory on Recommended Preparation: SPAN 22 or equivalent college course with "C" or better, or permission of the department. SPAN 24 SPANISH 4 FOR BILINGUAL STUDENTS 4 UNITS Hours: 4 Lecture/Discussion A continuation of SPAN 23. This course is for native speakers who wish to improve their written and oral communication skills. Advisory on Recommended Preparation: SPAN 23 or equivalent college course with "C" or better, or permission of the department.	SPCH 1FUNDAMENTALS OF PUBLIC SPEAKING3 UNITSHours:3 Lecture/DiscussionSPCH 1 is an introductory course in Public Speaking. This course covers a variety of formal public address styles and formats. This course offers students an opportunity to learn and practice specific skills needed for effective public speaking. CAN SPCH 4.Advisory On Recommended Preparation:ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.SPCH 3ORAL INTERPRETATION SPCH 3 is designed to introduce students to the techniques of understanding and
	Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

SPANISH

SPEECH

3 UNITS

SPCH 4 INTERPERSONAL COMMUNICATIONS Hours: 3 Lecture/Discussion 6 Homework

Interpersonal Communication provides students with insights into their own effectiveness as a communicator and how to deal with the application of effective interpersonal communication behavior in personal and professional life. Specific skills in active listening, conflict resolution perceptions, nonverbal communications, and self concept will be addressed. CAN SPCH 8.

Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

SPCH 5 ARGUMENTATION AND DEBATE 3 UNITS Hours: 3 Lecture/Discussion 3

SPCH 5 is an introductory course in argumentation and debate. This course covers research into, and critical analysis of, major public issues. This course will provide practice in persuasive speaking and formal debate, with emphasis on research, organization, logical proof, and effective presentation. The student will also learn how to understand and avoid fallacies in persuasive presentations. CAN SPCH 6. Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures; and SPCH 1 or equivalent college course with "C" or better.

SPCH 7	PERSUASION	3 UNITS
Hours:	3 Lecture/Discussion	

6 Homework This course was designed to create an understanding of the constant persuasive messages that permeate modern life. While based deeply in persuasive theory, this

course will also allow students to apply the material to personal and professional endeavors by direct application of the theory in the classroom and life. Advisory On Recommended Preparation: ENGL 251 or equivalent college

course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

SPCH 8	GROUP COMMUNICATION	3 UNITS
Hours:	3 Lecture/Discussion	
	8 Homework	

SPCH 8 is an introductory course in Group Communication. The student will learn group dynamics, structures, the importance of maintaining structured agendas to complete task-oriented group discussions, and how to use substantive conflict to meet both the needs of the group and the individual group members. CAN SPCH 10. Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

SPCH 9	INTERCULTURAL COMMUNICATION	3 UNITS	
Hours:	3 Lecture/Discussion		
	6 Homework		

This course will provide the student with an understanding of the different cultures in our country by providing an insight into the communicative behaviors each culture possesses. A variety of cultures will be studied, with specific emphasis placed on the different skills in verbal and nonverbal communications, communication climates and language interpretation of those cultures.

Advisory On Recommended Preparation: ENGL 251 or equivalent college course with "C" or better, or eligibility for ENGL 1 determined by COS Placement Procedures.

SPORTS MEDICINE

Course Descriptions

SMED 40	THE CARE AND PREVENTION OF ATHLETIC INJURIES	3 UNITS		
Hours:	3 Lecture/Discussion			
This course n	1 Lab artially fulfills the regulations and requirements of	the National Athletic		
Trainers Asso	ciation Certificate. The course is open and recomminterest in learning about sport(s) injuries and	ended for all students		
SMED 60 Hours:	CONCEPTS IN HEALTH AND FITNESS 3 Lecture/Discussion	3 UNITS		
Cross Ref:				
	on of recommended health practices and concer tanding of critical health and fitness issues an ing.			
SMED 70		2 UNITS		
Hours:	1 Lecture/Discussion 4 Lab			
Exposure to immediate recognition and treatment of sports injuries unique to fall sports. Emphasis on rehabilitation and taping techniques to enable athletes to return to				
competition.				
	Recommended Preparation: SMED 40 and es with "C" or better.	HW 3 or equivalent		

SMED 71	SPORTS MEDICINE, SPRING SPORTS	2 UNITS
Hours:	1 Lecture/Discussion	
	4 Lab	

The study and exposure to immediate recognition and treatment of sports injuries unique to spring sports. Emphasis will be placed on rehabilitation and taping techniques to aid in healing of the body and returning the athlete to competition. Advisory On Recommended Preparation: SMED 40 and HW 3 or equivalent college courses with "C" or better.

SMED 72 ADVANCED SPORTS MEDICINE, FALL SPORTS 2 UNITS Hours: 1 Lecture/Discussion

4 Lab

3 Homework

This course will give students additional exposure to the immediate recognition and treatment of sports injuries unique to fall sports. Students will have hands-on experience and will be able to apply different techniques in the treatment of injuries. This course is for those students who will transfer to a four-year college in Physical Education, Sports Medicine or related Health area.

Advisory On Recommended Preparation: SMED 40, 70 and HW 3 or equivalent college courses with "C" or better.

SMED 73 ADVANCED SPORTS MEDICINE, SPRING SPORTS 2 UNITS Hours: 1 Lecture/Discussion

- 4 Lab
- 3 Homework

This course will give students additional exposure to immediate recognition and treatment of sports injuries unique to spring sports. Students will have hands-on experience and will be able to apply different techniques in the treatment of injuries. This course is for those students who will transfer to a four-year college in Physical Education, Sports Medicine or related Health area.

Advisory On Recommended Preparation: SMED 40, 71 and HW 3 or equivalent college courses with "C" or better.

SPORTS MEDICINE

SMED 180a-d APPLICATION OF SPORTS MEDICINE PRINCIPLES	2 UNITS	WELD 162 Hours:	SHIELDED METAL ARC WELDING 3 Lecture/Discussion	4 UNITS
Hours: 8 Lab This course partially fulfills the requisites and requireme Trainers Association Certification. Each candidate must attaining at least 1,500 hours of athletic training experien of an NATA certified athletic trainer. Of these 1,500, at le in a traditional athletic setting at the interscholastic, interc	present documentation of ce under direct supervision east 1,000 must be attained	E6013, E701	3 Lab 6 Homework machine flame cutting, shielded metal arc weldi 4, and E7024 electrodes, air carbon arc cutting, ation of ferrous metals.	
course will give the opportunity to apply the principles practice and competition. Emphasis on pre-and pos- techniques and procedures. All student hours are supervi practices and competitive events. This course may be	of Athletic Training during t-practice and competition sed by the instructor during	WELD 171 Hours:	ADVANCED WELDING 1 3 Lecture/Discussion 3 Lab 6 Homework	4 UNITS
Prerequsites: SMED 40 and HW 3 or equivalent college SMED 280a-d POLICIES AND PROCEDURES OF SP	courses with "C" or better.	and non-des	is a continuation of the basic concepts of scient tructive testing. Theory of electricity, magnetisr nis as used by technicians.	
MEDICINE Hours: SHORT TERM CLASS (Total hours: 96 32 Lecture/Discussion 64 Homework		WELD 172 Hours:	ADVANCED WELDING 2 3 Lecture/Discussion 3 Lab	4 UNITS
This course will cover: policies and procedures, emerg- and daily functions that are necessary for the student to room. Students will develop a plan using decision-makir an awareness of the factors related to medical protocols course three times.	work in the athletic training ng strategies, analysis, and	and self-shie submerged a	6 Homework advanced gas tungsten arc welding, flux cord a lded wires), modern shielding gas technology, arc welding, resistance spot welding, introducti ive testing of welded materials.	non-ferrous filler metals,
SUPERVISED PRACT		WELD 173 Hours:	STAINLESS STEEL WELDING, REPAIR / FABRICATION SHORT TERM CLASS (Total Hours 96) 16 Lecture/Discussion 32 Lab	AND 2 UNITS
SUPERVISED PRACTICE Hours: 3-9 Lab Under the supervision of an instructor, selected students in less advanced classes. This course provides experie in teaching, counseling and other employment or volu student is expected to take a leadership role. This course m Provenue is a permission of the depertment	nce for students interested nteer situations where the	theory, and	48 Homework Is designed to give advanced welding students skill of welding stainless steel. Both repair an o sanitary tube welding and fabrication will be	d fabrication as well as
Prerequisite: Permission of the department.		WELD 181 Hours:	BLUEPRINT READING AND FERROUS METALLURGY 3 Lecture/Discussion	3 UNITS
WELD 105a-c BASIC METALCRAFT WELDING & FO Hours: 3 Lecture/Discussion 3 Lab 3 Homework	DRGING 3 UNITS	utilizing the and free han	entals of blueprint reading relating to welded com American Welding Society weld symbol design d sketches are interpreted. Ferrous metal prope groups are determined through destructive an	nations. Shop drawings arties, characteristics and
Cross Ref: ART 105a-c <u>Material Fees: \$15.00</u> Instruction for women and men in Metalcraft welding an tools for welded craft projects and sculpture, and construct finished sculptures. This course can be repeated two to	ction of abstract shapes and	WELD 274 Hours:	ALUMINUM WELDING SHORT TERM CLASS (Total Hours 99) 36 Lecture/Discussion 18 Lab 45 Homework	2 UNITS
WELD 106 FORGING AND WROUGHT IRON Hours: 2 Lecture/Discussion 1 Lab	2 UNITS	theory and s	is designed to give advanced welding students skill in the welding of aluminum, both repair an o all structural shapes and levels of alloys.	
3 Homework This course offers the student study and laboratory prac of metals. Working hot metal from the forge and wrought in		Hours:	d WELDING TOPICS (8-24) Lecture (16-48) Lab	1-3 UNITS
WELD 161 OXY-ACETYLENE WELDING Hours: 3 Lecture/Discussion 3 Lab 6 Homework Introduction in oxy-acetylene welding, braze welding, spraying, and flame cutting of common ferrous and non-fe	rrous sheet, plate, and pipe.	process. W laboratory tr Prerequisite	l open entry and open exit course in a specific m ithin the lecture, various fusion processes will aining to develop a proficient skill level. IS: Basic welding skills test will be administered with the topics covered to qualify students in bo	be demonstrated using ed by the department in
The safe use of apparatus and personal safety in the we Properties of ferrous materials and destructive testing of the program.				

WELDING

268

WORK EXPERIENCE

WEXP 191 GENERAL WORK EXPERIENCE Hours: 5-15 Lab

1-3 UNITS

Students employed on a job that is not directly related to their college major can earn up to three units each semester for two semesters, or a maximum of six units. The student must have the approval of the Coordinator of Cooperative Education or his designee and the employer must agree to evaluate the student's performance.

WEXP 192 GENERAL WORK EXPERIENCE Hours: 5-15 Lab

1-3 UNITS

1-4 UNITS

Students employed on a job that is not directly related to their college major may earn up to three units each semester for two semesters, or a maximum of six units. The student must have the approval of the Coordinator of Cooperative Education or his designee and the employer must provide expanded learning opportunities which add to the student's job skills/knowledge.

Prerequisite: WEXP 191 or equivalent college course with a passing grade.

WEXP 193 OCCUPATIONAL COOPERATIVE 1-4 UNITS EDUCATION/INTERNSHIP

Hours: 5-20 Lab per week

This course is conducted to give the student occupational learning opportunities and career awareness. This is accomplished through employment (paid or volunteer) providing learning related to the student's educational or occupational goal. Student must contact the Office of Cooperative Education to register.

WEXP 194	OCCUPATIONAL COOPERATIVE	1-4 UNITS
	EDUCATION/INTERNSHIP	
Hours:	5-20 Lab per week	

This second semester class, like WEXP 193, allows students employed on a job directly related to their college major or career goal to earn up to four units. The student must contact the Office of Cooperative Education and the employer must agree to provide new/expanded learning opportunities.

Prerequisite: WEXP 193 or equivalent college course with a passing grade.

WEXP 195 OCCUPATIONAL COOPERATIVE EDUCATION/INTERNSHIP Hours: 5-20 Lab per week

This third semester offering is designed for students who have opportunities to gain expanded learning beyond that experienced in Occupational Cooperative Education 193 and 194. The learning opportunities must be directly related to their college major or career goal. Students must receive permission of the Office of Cooperative Education.

Prerequisites: WEXP 194 or equivalent college course with a passing grade.

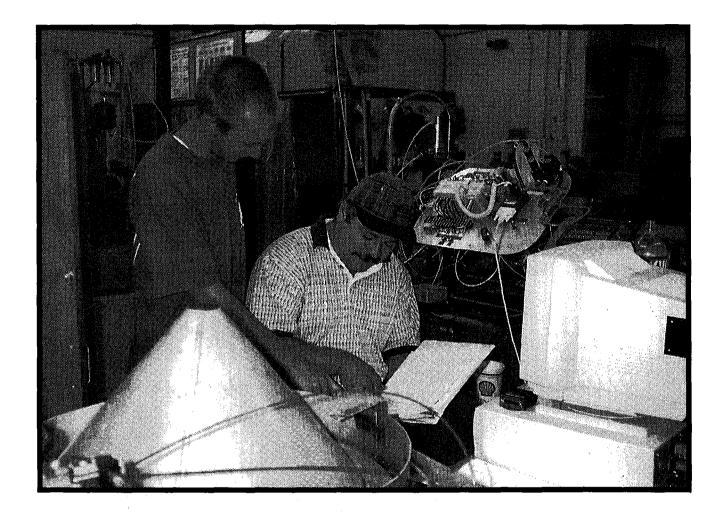
WEXP 196 OCCUPATIONAL COOPERATIVE 1-4 UNITS EDUCATION/INTERNSHIP

Hours: 5-20 Hours per week

The fourth semester of Occupational Cooperative Work Experience Education is limited to those who are able to establish new/expanded Measurable Learning Objectives beyond those experienced in Occupational Cooperative Work Experience Education 193, 194, and 195 on a job related to their major or career goal. Students enrolling in this class must have the permission of the Coordinator of Cooperative Education or his designee.

Prerequisite: WEXP 195 or equivalent college course with a passing grade.

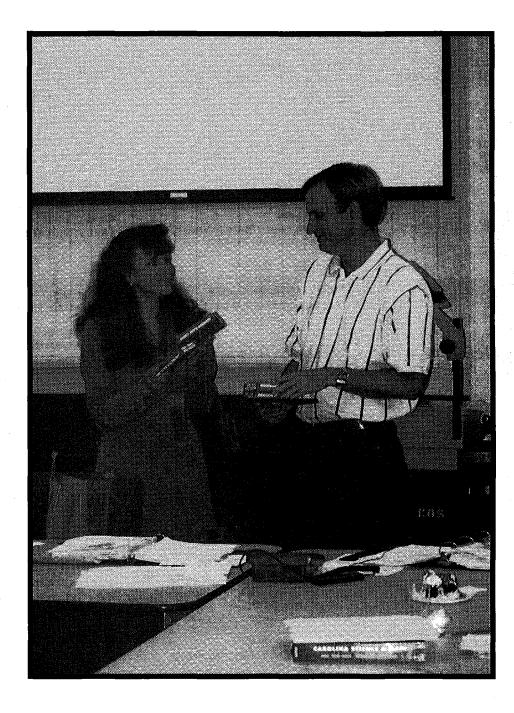
Course Descriptions



e,

"Education is what survives when what has been learned has been forgotten."

B.F. Skinner



"A leader takes people where they want to go. A great leader takes people where they don't necessarily want to go, but ought to be."

Rosalynn Carter

Administrators

AGUILAR, JESSIE DIRECTOR TEACHER PREPARATION PROGRAMS B.A., California State University, Fresno

AVILES, RUBEN CUSTODIAL MANAGER

BADRKHAN, KAMIRAN S. PRESIDENT B.A., M.A., California State University, Los Angeles; Ph.D., Claremont Graduate School

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COVINGTON, BECKY MANAGER, COS BOOKSTORE B.B.A., National University, San Diego

DE LAIN, CYNTHIA DIRECTOR, ALLIED HEALTH AND STUDENT HEALTH CENTER B.S.N., Mt. Saint Mary's College, Los Angeles; M.S.N., Azusa Pacific University

FINNEY, NANCY DIRECTOR, LEARNING RESOURCES B.A., M.A., San Francisco State University; M.S., San Jose State University

GLASS, JENNY DEAN, HUMAN RESOURCE SERVICES B.A., California State University, Fresno; M.A., California State University, Bakersfield

GOODYEAR, DON L. EXECUTIVE VICE PRESIDENT, STUDENT SERVICES

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HOTT, LISA DIRECTOR, FISCAL SERVICES B.S., California State University, Fresno

KOENIG, MARK APPLICATIONS MANAGER

KUNCL, GARY DIRECTOR, PUBLIC SAFETY TRAINING B.A., M.A., Chapman College

MCDONNELL, JAMES E. VICE PRESIDENT, ADMINISTRATIVE SERVICES Ed.D., Nova University; M.Ed., Linfield College; B.A., Santa Clara University

MACIEL, DAVID COORDINATOR, WELFARE REFORM B.A., M.S.W., California State University, Fresno

MALDONALDO, CELIA ASSOCIATE DEAN, SPECIAL PROGRAMS & SERVICES B.A., M.A., California State University, Fresno

MANES, WALTER "SCOTT" COORDINATOR, BUSINESS AND COMMUNITY EDUCATION CENTER Equivalency Granted

MARTINEZ, NICK DIRECTOR, PUBLIC SAFETY

MAST, DON DEAN, ADMISSIONS & RECORDS B.S., University of Oregon; M.S., Oregon College of Education

MIDDLESTEAD, ERIC DIRECTOR, FACILITIES AND FACILI-TIES PLANNING M.A., CSU Bakersfield; B.A., CSU Bakersfield

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Linda Kennedy Division of Business

Paulette Kitchel Division of Consumer/Family Studies

> **Cynthia Johnson** Division of Fine Arts

Richard Shirk Division of Industry and Technology

David Robinson Division of Language Arts and Communications

George Woodbury Division of Mathematics and Engineering

Cheryl Black Division of Nursing and Health Science Sharon Black Division of Counseling, Health Services, and Work Experience

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> Dorothea Trimble Division of Science

Ron McGriff Division of Social Sciences

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FALCONER, JEFF

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ANDERSON, VERNON A. Sociology, 1957-1992

ANTHONY, BETTY Home Economics, 1964-1989

BARBA, JOSEPH J. English, 1962-1993

BARTON, JAMES Mathematics, 1969-1992

BRANCO, ALLEN A. Athletics Director 1969-2001

BEARDEN, ALIA Physical Education, 1957-1981

BENNETT, LES Metals Technology, 1967-1988

BERG LEROY Vice President, Evening College, 1962-1984

BETTENCOURT, BILL Vice President, Academic Services; Dean, Student Services 1967-1999

BRICKER, JOHN History, 1956-1981

BRUNNER, ILA JUNE Nursing 1975-1997

BROYLES, KEN Automotive Technology, 1974-1993

BUYUKLIAN, HARRY Fine Arts, 1977-1989

CABRERA, TONY French, 1962-1977

CHILDS, WOODROW English, 1972-2001

CLEVELAND, WILLIAM R. Physical Sciences, 1946-1979

COLE, JAMES Psychology, 1968-1996

CONLEY, RICHARD Work Experience/Business 1968-1996

Emeritus Faculty

COTTRELL, RICHARD Architecture, 1960-1990

CRAIN, JOHN Geology/Mathematics 1970-1997

CROOKSHANKS, IVAN Superintendent/President, 1949-1984

DECKER, WILLIAM English, 1965-1996

DUNN, GENE Building Trades,

ENSIGN, PAT Nursing, 1975-1983 and 1987-1991

ERICKSON, DAVID Vice President, Administrative Services 1990-2001

ESSEX, WILFRID Chemistry, 1955-1984

FERGUSON, ELIZABETH English, 1949-1983

FISCHER, CURT History/Anthropology, 1955-1984

FLAHERTY, MICHAEL Vice President, Administrative Services; Business, 1966-1990

FLATTLEY, MERLE Physical Education, 1973-1991

FLY, JOHN Building Trades, 1961-1984

FOTIAS, CRISTOS Spanish, 1949-1983

FRIEDBERG, MARY NORA Consumer/Family Studies, 1960-1993

GILCREST, THOMAS Athletics/PE/Counseling, 1963-1996

GIVAN, CAROLYN English/Counseling, 1959-1978

GODDARD, DON Music 1990-1997

GRUMBLING, BETTY English, 1970-1988 **GRUMBLING, HENRY** Photography, 1962-1988

HALL, GERRY Business, 1959-1982

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HAMILTON, DONNA Early Childhood Education, 1977-1996

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HETTICK, LARRIMORE English, 1965-1996

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ISBELL, NORM Agriculture 1984-1997

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JENSEN, BRUCE Agriculture, 1949-1984

JOHNSON, NOBLE Theater Arts, 1962-2000

JUSTUS, LOIS Nursing, 1970-1993

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MC CORMICK-MIRANDA, ANNE Home Economics, 1966-1984

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SHEWEY, JEAN Physical Education, 1959-1984

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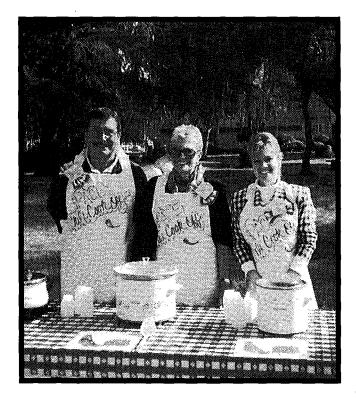
VIEIRA, DONALD Agriculture, 1965-1996

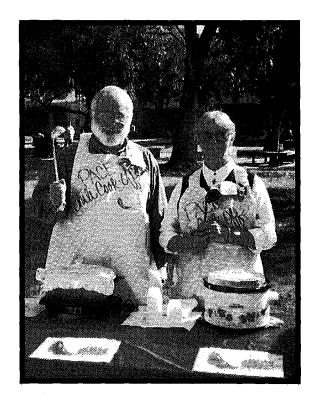
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WESTON, DUANE Music, 1975-1990

WICKMAN, GAYLE Nursing, 1974-1993

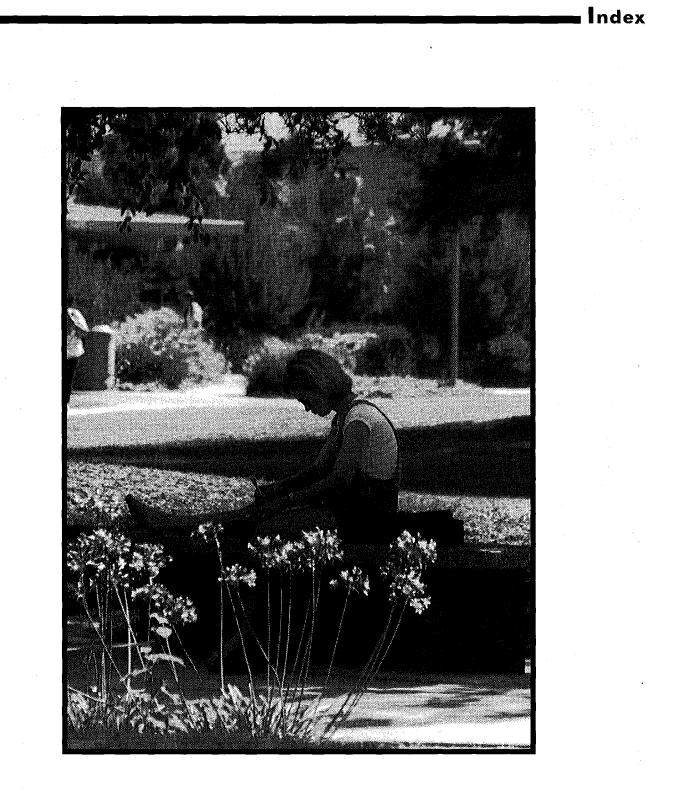






"To avoid criticism, do nothing, say nothing, be nothing."

Elbert Hubbard



"Well done is better than well said."

Benjamin Franklin

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