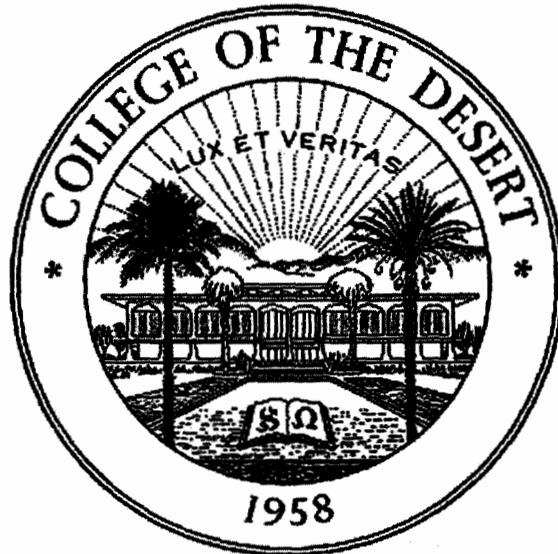

DESERT
COMMUNITY COLLEGE DISTRICT



COLLEGE
OF THE
DESERT

A California Public Community College

1999 - 2000 CATALOG

INFORMATION CONTAINED IN THIS CATALOG IS CORRECT AS OF THE DATE OF PUBLICATION (JUNE 1999) AND IS SUBJECT TO ALTERATION UPON SEPARATION OF THE COPPER MOUNTAIN CAMPUS FROM THE DESERT COMMUNITY COLLEGE DISTRICT. IT IS PRESENTLY ANTICIPATED THAT SUCH SEPARATION WILL TAKE PLACE ON OR ABOUT JULY 1, 1999.

COLLEGE OF THE DESERT
 43-500 MONTEREY
 AVENUE
 PALM DESERT, CA
 92260

(760) 346-8041
 (OPERATOR)

(760) 773-2516
 (ADMISSIONS)

(760) 773-2520
 (COUNSELING)



COPPER MOUNTAIN
 6162 ROTARY WAY/
 POB 1398
 JOSHUA TREE, CA
 92252

(760) 365-0614

(760) 366-3791

(760) 367-3591

ADMINISTRATION

DESERT COMMUNITY COLLEGE DISTRICT

COLLEGE OF THE DESERT

DR. WILLIAM KROONEN
 SUPERINTENDENT/PRESIDENT

DR. DAN BAXLEY
 DEAN OF INSTRUCTION
 AND CHIEF INSTRUCTIONAL OFFICER

DR. DIANE N. RAMIREZ
 ACTING DEAN OF STUDENT SERVICES
 AND LEARNING RESOURCES

MS. JACKÉ HALL GREEN
 DEAN OF ECONOMIC DEVELOPMENT
 AND COMMUNITY EDUCATION

MS. JOANN HIGDON
 CHIEF BUSINESS OFFICER

MS. JACQULYN WEISS
 DIRECTOR OF PERSONNEL SERVICES

COPPER MOUNTAIN

JAMES T. PULLIAN
 PROVOST

JOHN R. MADDEN
 DEAN OF EDUCATIONAL SERVICES

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BOARD OF TRUSTEES

Mr. Terry Green
(Elected 1997 - Area 4)

MRS. JACKIE SUIT
(Elected 1979 - Area 3)

Mr. Ray House
(Elected 1985 - Area 5)

Mr. Charles Hayden, Jr.
(Elected 1983 - Area 2)

Mr. Owen Gillick
(Elected 1997 - Area 1)



The members of the Board of Trustees are elected by the people of the Desert Community College District for a term of four years. Two Student Trustees, one from Palm Desert and one from Copper Mountain, are elected annually by students.



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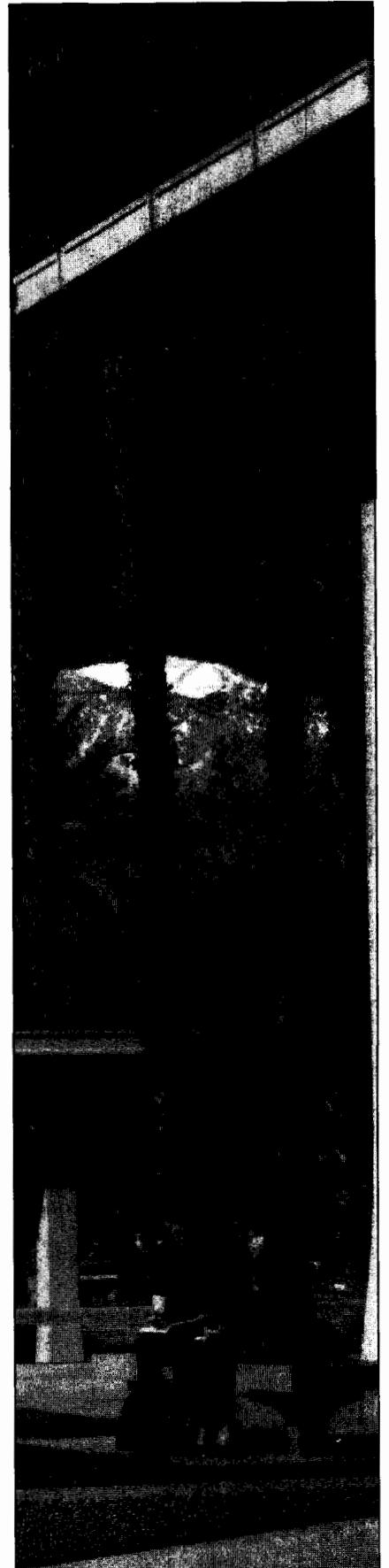




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College of the Desert is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges, (3402 Mendocino Avenue, Santa Rosa, CA 95403 (707) 569-9177), an institutional accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation and the U.S. Department of Education. Accreditation was reaffirmed during the 1998-1999 academic year. College of the Desert's next comprehensive review will be conducted in 2005.



College of the
Desert
— *this* —
is why we're here —

*providing quality
education,
enriching lives,
and building the
community
from within
for a better and
brighter future.*

ACADEMIC CALENDAR

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AUGUST 17..... LAST DAY TO REGISTER OR ADD BY TELEPHONE

AUGUST 18..... CLASSES BEGIN

SEPTEMBER 1 LAST DAY TO DROP AND BE ELIGIBLE FOR A REFUND

SEPTEMBER 1 LAST DAY TO REGISTER OR ADD IN PERSON (WITH APPROVAL)

SEPTEMBER 6 LABOR DAY - HOLIDAY

SEPTEMBER 10 LAST DAY TO DROP WITHOUT THE COURSE APPEARING ON YOUR TRANSCRIPT

OCTOBER 11 LAST DAY TO REQUEST AN EVALUATION FOR SPRING/SUMMER 2000 GRADUATION

NOVEMBER 1 LAST DAY TO FILE INTENT TO GRADUATE FALL '99

NOVEMBER 5 LAST DAY TO REQUEST A REFUND (COURSE MUST HAVE BEEN DROPPED BY SEPTEMBER 1)

NOVEMBER 12 VETERANS' DAY OBSERVED - HOLIDAY

NOVEMBER 16 LAST DAY TO DROP

NOVEMBER 25-26 THANKSGIVING DAY - HOLIDAY

NOVEMBER 27 NO SATURDAY CLASSES

DECEMBER 11 FINAL EXAMS FOR SATURDAY CLASSES

DECEMBER 13-17 FINAL EXAM WEEK

DECEMBER 17 LAST DAY OF FALL SEMESTER

DECEMBER 22-24 CAMPUS CLOSED

DECEMBER 18 - JANUARY 13 STUDENT BREAK

This calendar is valid from July 1, 1999 through June 30, 2000. It is in effect for the Fall and Spring semesters and any academic session which commences within this defined period of time.

ACADEMIC CALENDAR

SPRING SEMESTER 2000

JANUARY 14 SPRING CLASSES BEGIN
 JANUARY 17 MARTIN LUTHER KING, JR. HOLIDAY
 JANUARY 28 LAST DAY TO DROP AND
 BE ELIGIBLE FOR A REFUND

FEBRUARY 11 LAST DAY TO DROP WITHOUT THE COURSE
 APPEARING ON YOUR TRANSCRIPT
 FEBRUARY 18 LINCOLN'S DAY - HOLIDAY
 FEBRUARY 19 NO SATURDAY CLASSES
 FEBRUARY 21 WASHINGTON'S DAY - HOLIDAY

MARCH 13 LAST DAY TO REQUEST AN EVALUATION
 FOR FALL 2000 GRADUATION

APRIL 3 LAST DAY TO FILE INTENT TO
 GRADUATE SPRING 2000

APRIL 7 (3:00 P.M.) LAST DAY TO REQUEST A REFUND
 (COURSE MUST HAVE BEEN
 DROPPED BY JANUARY 28)

APRIL 17 - 21 SPRING BREAK

APRIL 21 COLLEGE CLOSED/HOLIDAY

APRIL 22 NO SATURDAY CLASSES

APRIL 25 LAST DAY TO DROP

MAY 19 - MAY 25 FINAL EXAMS

MAY 25 LAST DAY OF FINAL EXAMS

MAY 25 LAST DAY OF SPRING SEMESTER

MAY 26 GRADUATION CEREMONY

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FACULTY CODE OF PROFESSIONAL ETHICS

Guided by a profound belief in and respect for the inherent dignity and worth of each individual in the culturally diverse community we serve, the faculty at College of the Desert endeavor to:

- place as their highest priority excellence in teaching, continually striving to improve scholarly and professional competence, maintaining personal and academic integrity, and accepting the role of intellectual guide and facilitator;
- encourage the free pursuit of learning, honoring the confidential nature of the relationship between instructor and student, avoiding exploitation of students for private advantage, and holding before them high scholarly standards for their discipline and appreciation and respect for others;
- accept accountability for maintaining honest academic conduct, high standards of performance, and evaluation that reflects the true merit of students, courses, programs, and services;
- accept the obligations associated with membership in a community of scholars that includes practicing, fostering and defending intellectual honesty, freedom of inquiry and instruction, social responsibility, and respect for the opinion of others;
- acknowledge the rights and obligations associated with the role of citizen within the community ensuring that views expressed within that society are represented as those of a private citizen rather than those of a spokesperson for the College.

DESERT COMMUNITY COLLEGE DISTRICT

VISION STATEMENT

We as a District endorse these statements as our vision for the future --

- *all students will be encouraged and supported in attaining their educational goals;*
- *all students will have access to needed services and support;*
- *all students will have the opportunity to participate in diverse learning experiences that are responsive and reflective of their needs and those of the community;*
- *our District will be knowledgeable of workforce, community, and transfer needs and will facilitate opportunities in these areas for students;*
- *our District will participate in and collaborate with local communities;*
- *District planning will be based on thorough knowledge of our diverse student population.*

MISSION STATEMENT

Our primary mission is to provide comprehensive, student-centered community college education. We prepare students for transfer programs that assure their access to upper-division education at public and private universities. Of equal importance, we provide vocational and technical programs of study in order to help students acquire quality employment. In support of this mission, we provide the services required to maintain learning programs as well as the basic skills that equip students to complete transfer and/or occupational objectives. We are committed to excellence, as measured by student outcomes and student success in their achievement of transfer and occupational objectives; equal access to opportunity for our students, our faculty and staff, and the diverse communities we serve; and community involvement in promoting economic development, intellectual and cultural enrichment, and encouraging financial support for the fulfillment of the College's mission.

GENERAL INFORMATION

GOALS

ACADEMIC TRANSFER PROGRAMS

The DCCD believes that academic transfer programs are essential to the community and must provide a general education and pre-major curriculum that will meet or exceed the lower division requirements articulated with four-year institutions.

The District is committed to an overall effort to fulfill academic transfer requirements by concentrating on the development of a comprehensive instructional environment.

OCCUPATIONAL AND VOCATIONAL EDUCATION

To meet the changing economic, technological, and environmental needs of the community, the DCCD will identify regional employment training needs and provide degree and certificate programs which prepare students for these career opportunities.

These programs will train, retrain, and upgrade student career skills through existing occupational/vocational and general education programs as well as partnerships and contractual education with the private sector and public agencies.

BASIC SKILLS

The DCCD believes that basic skills education is critical to an individual's well-being in a demanding society. Therefore, the District will provide comprehensive basic skills programs to support academic, occupational/vocational, developmental, and community education.

MARKETING

The DCCD will aggressively and effectively promote all District programs and services to increase public awareness of educational opportunities, fulfill the mission of the District, and encourage measured growth.

ORGANIZATION

The DCCD recognizes the need for a well-defined organizational system that supports the interrelationship and participation of all institutional elements, enhances opportunities for consideration of matters common to the District and its environment, and provides methods for timely response to District-wide needs.

PLANNING

The DCCD has established within its organizational structure a planned, systematic procedure designed to encourage and facilitate the creation of innovative programs and the expansion of existing programs.

RESOURCES

The DCCD believes that all resources aid the District in fulfilling the mission of providing comprehensive educational opportunities to the community and that all resource allocation must be tied to existing or newly developed programs compatible with the approved Mission Statement.

Further, the District is dedicated to the principle that all resources are reciprocal and that we must be accountable to our constituents in demonstrating the results of acquired resources. Resource allocations must reflect our commitment to equal opportunity so that all citizens have access to their benefits.

HISTORY

The Desert Community College District, the legal birth certificate for College of the Desert, was approved on January 21, 1958 by the voters of Palm Springs Unified School District and the Coachella Valley Joint Union High School District by a majority of approximately ten to one.

More than ten years of study and planning by the governing boards of the two districts, in cooperation with the State Department of Education, preceded the election through which the College was born.

On April 15, 1958 the initial five member Board of Trustees was elected from a score of candidates. On July 1, 1958 the elected Board members were officially seated and the new District thus became "effective for all purposes."

The Board and a limited administrative staff spent three years studying community College education, and planning curriculum, buildings, and policies before contracts were let in the Summer of 1961 for actual construction of the initial nine buildings on the 160 acre site at Monterey Avenue and Fred Waring Drive in Palm Desert. The College's first students were received in Fall of 1962.

The residents of the Morongo Unified School District, comprised of the communities of Morongo Valley, Yucca Valley, Landers, Joshua Tree, and Twentynine Palms, elected, in 1966, to join the Desert Community College District. Classes were first offered on the High Desert in the Fall of 1967 at the Twentynine Palms High School to approximately 60 students.

In 1972, the High Desert Campus began renting what had been until then a parochial school, on Sage Avenue in Twentynine Palms. The first building phase was completed in the Spring of 1984, thus giving the High Desert communities their first access to local, college-owned facilities in Joshua Tree. At that time, the High Desert Campus became known as Copper Mountain Campus.

Close cooperation with the Hi-Desert Medical Center and the Marine Corps has enabled Copper Mountain

Campus to expand its offerings in such specialized fields as Nursing and Computer Science.

The partnership between Copper Mountain Campus (CMC) and the Marine Corps Air Ground Combat Center has created educational opportunities aboard the base in Twentynine Palms. In addition to providing specific courses at the request of the Marine Corps, CMC offers many general education classes at the base.

A number of vital services are also offered at the Center, including registration, counseling, and a bookstore. CMC classes offered at the Combat Center are open to the general public.

EASTERN VALLEY CENTER

The Eastern Valley Center is an off-campus satellite educational program. EVC offers credit classes in core academic subject areas as well as noncredit classes. Courses are offered during the day at the Commerce Center, 83-203 Indio Boulevard, in Indio. Evening classes are offered on the Indio High School campus, 81-750 Avenue 46, in Indio. As part of its efforts to better serve the residents of the eastern Coachella Valley, College of the Desert is working to establish an Eastern Valley Center facility in Indio. With the availability of the new educational facility, the college will be prepared to provide additional academic opportunities and services to eastern valley residents in a centralized location.

WESTERN VALLEY CENTER

In order to provide access for students living in the greater Palm Springs and Desert Hot Springs areas, College of the Desert is now offering an increased number of evening classes at two local high schools. Palm Springs High School is located at 2401 East Baristo, near the corner of Baristo and Farrell. The new Desert Hot Springs High School is located on Pierson Boulevard, between Indian Avenue and Palm Drive.

Students may enroll in classes that cover most of the General Education areas, including Speech, Writing, Critical Thinking, Biological Science, Mathematics,

Art, Music, Theatre, Foreign Language, Philosophy, History, and Social Sciences. Vocational courses are also offered and include Accounting, Computer Science, Pharmacology, Early Childhood Education, Administration of Justice, and Automotive Technology. Aerobics classes are taught four nights a week.

Refer to the current Schedule of Classes for starting dates and meeting times of WVC classes. (Note: WVC Fall classes begin after Labor Day.)

For information about Western Valley classes, contact Cathy Brant at (760) 776-7345 or by email or HYPERLINK mail to: cbrant@desert.cc.ca.us.

VIRTUAL VALLEY CENTER

One of the most exciting current developments in education is the offering of classes via the Internet. The Virtual Valley Center is College of the Desert's vehicle for offering such classes. Beginning with one section of English 1A (Freshman Composition) in Spring of 1998, this program has grown to the point where ten sections of seven different classes are being offered online in the Fall of 1999. These include classes in Computer Information Systems, Economics and English, and the College plans to add a significant number of offerings in each subsequent semester. The College also is working to make student services available online, and is investigating the feasibility of offering full certificate and degree programs online.

Online courses have the same transfer status and prerequisites as traditional on-campus classes, and are subject to the same standards of academic quality. The difference is that the student completes his or her coursework asynchronously via email, electronic bulletin boards and chatrooms. This can be a tremendous advantage for those students who have trouble getting to the campus or who have schedules that do not allow them to take classes scheduled at specific times. Online students must have their own computers and Internet access, and must be proficient in using the Internet, a word processing program and email. For further information, contact Tom Gillman at tgillman@desert.cc.ca.us or call (760) 776-7305.

COACHELLA VALLEY CENTER CALIFORNIA STATE UNIVERSITY SAN BERNARDINO

California State University, San Bernardino, offers junior, senior, and graduate level coursework and programs in limited majors in facilities located on the east side of the COD Palm Desert campus. COD students planning to transfer to CSUSB can apply for guaranteed admission contracts by contacting the University, or the COD Transfer Center. For further information, call CSUSB at (760) 341-2883; or the COD Transfer Center at (760) 773-2523.



COLLEGE CURRICULUM

PREPARATION FOR TRANSFER

As an integral unit of the California tripartite system of public higher education, the College provides programs of study providing students the opportunity to prepare for transfer to four-year colleges and universities. The College aspires to do this in such a manner that students may transfer without loss of time or credit.

Most professions and careers requiring study beyond that available at the College of the Desert are such that the first two years of study may be completed before transferring from College of the Desert to another institution of higher education. To assure transfer students of obtaining the maximum benefit from their College of the Desert experience prior to transferring, it is important for students to engage in careful, long range planning. In general, students planning to transfer should follow the procedure outlined below:

1. Tentative Choice: Because course requirements vary among colleges and universities, it is advantageous to research and select the school(s) to which you plan to transfer as early as practicable in your college career. The COD Transfer Center offers a research library to help you prepare to transfer, including catalogs from California public and private institutions, as well as from many out-of-state colleges. Transfer admission information, applications, and other reference materials are also available. The Transfer Center is located in the Administration Building, Room 12.

2. Catalog: Examine catalogs of prospective colleges and universities. Study carefully those sections that cover requirements for (a) transfer admission, (b) the major, and (c) graduation. Finding all requirements often warrants a review of the entire catalog, as requirements may be listed in different sections of the catalog. Many of these requirements must be taken during the freshman and sophomore years. Failure to do so can unduly extend the time required for transfer admission and graduation.

3. Financial Aid: Apply for financial aid as directed in the current COD class schedule. Application forms and other financial aid information are available in the Financial Aid Office, located in Building C.

4. General Education Requirements: Students may complete their lower division general education or breadth requirements while at College of the Desert. COD has articulation agreements with the California State Universities (CSU) and the University of California (UC) system that allow students to be certified for these requirements. To select the pattern that is most appropriate for you, consult your faculty advisor.

5. Application Filing Period: Check carefully the dates of the application filing period. This is the time between the first date applications will be received and the deadline. Many colleges have initial filing periods ten months before admission. In all cases, preparation of applications early within the filing period is recommended.

6. Letters of Recommendation and Rating Forms: Some independent colleges require letters of recommendation or rating forms. Students should get to know their instructors well enough so that the instructors can comment accurately on the students' characteristics.

7. Grade Point Requirements: Many colleges require higher than a 2.0 (C) grade point average. Study catalogs carefully for all requirements.

8. Admission Requirements of the Public California Institutions: Both the University of California (UC) and the California State University (CSU) have the same initial filing period for Fall admission. The period for Fall entry is the month of November for admission ten months later. Both UC and CSU require completion of 60 transferable units to enter as a junior. The University of California requires a minimum of a 2.4 grade point average (2.8 or higher for nonresidents).

The CSUs will allow community college students to transfer with 56 transferable units with a minimum of a 2.0 transfer grade point average. Within the 56 units, a minimum of 30 semester units that meet general education requirements must be completed with a

grade of C or better in each course. The 30 semester units must include at least 9 units (3 courses) in English language, and at least 3 units in mathematics/quantitative reasoning. These requirements are effective Fall 2000.

Students eligible for UC or CSU entrance as freshmen may enter before their junior year if they have maintained a 2.0 or better grade point average in college work.

NOTE: Meeting minimum requirements is *not* enough to gain admission to many UC and CSU campuses and programs. For clarification of transfer admission requirements, consult the *transfercollege* catalog and supplemental reference materials available in the COD Transfer Center.

9. Admission to Independent California or Out-of-State Colleges: Students who follow transfer major courses of study find they are given credit for most, if not all, courses when they transfer to independent or out-of-state colleges and universities. Some colleges require a certain number of completed units before considering students as eligible for transfer, while others accept students at any time. Admission requirements are outlined in the respective college catalogs. Catalogs are available for use in the College of the Desert Transfer Center, or one may be purchased from the transfer college's bookstore. Independent colleges encourage students to make an appointment with their Office of Admissions in order to discuss transfer opportunities on a personal basis.

10. Transferable Courses: Course descriptions in this catalog carry a designation code of their acceptance for transfer at the California State University (CSU) and at the University of California (UC). This acceptance can change annually. Consult the Transfer Center for more detailed information.

Students may view the COD Transfer Course Agreements with CSU and UC online at the ASSIST web site: www.assist.org.

OCCUPATIONAL/VOGATIONAL EDUCATION

For those students desiring to complete an occupational curriculum within two years, the College offers technical training and education in fields justified by student enrollment. Individual courses are offered in

some areas where a full curriculum cannot be justified. In both instances the College's aim is vocational competence for students and an appreciation of citizenship responsibilities.

Students may work toward: (a) earning a certificate (the certificate program is approximately one year in length, with the prospective student specializing in a particular area of study); or (b) an Associate degree. Refresher courses are also offered, as well as courses in which new and/or upgraded skills are required to take advantage of employment opportunities.

Individuals may attend classes as either part-time or full-time students. A large segment of the College student body is employed full-time, but attends classes of interest during evening hours. The College closely articulates with other colleges and industry. Many of the courses completed will transfer to four-year institutions. Occupational advisory committees assist the College in determining the types of skills, courses, and programs students should complete to meet labor market needs as well as the needs of industry.

SCHOOL-TO-CAREER (STC)/TECH PREP

STC and Tech Prep are part of a nationwide educational reform movement that creates a seamless curriculum between high schools and community colleges. During the last two years of high school, juniors and seniors may choose a major course of study in one of the programs. Locally, those programs will be linked to two-year associate degree and certificate programs at College of the Desert.

The STC/Tech Prep programs at College of the Desert may include accounting, business, business management, computer science, real estate, small business systems, office automation and marketing, vocational nursing, assistant nursing, computer information systems, architecture, automotive technology, etc. College of the Desert offers 37 vocational programs which could be linked with high school programs to form a four-year tech prep program.

Students who complete STC/Tech Prep programs are prepared for entry-level employment, advanced technical training or advanced education at a four-year university.

DEVELOPMENTAL EDUCATION

Education is a lifelong process. In today's society, it is becoming increasingly necessary for people to return to college to acquire new skills, upgrade old skills, acquire new knowledge and expand existing knowledge.

The College provides developmental programs and courses which enable students to acquire learning skills necessary for the completion of an educational plan leading to the attainment of the individual's objectives.

Recognizing the role of the community college in the area of developmental education, College of the Desert makes available opportunities for development of necessary skills and knowledge in Adult Basic Education (reading, writing and math), English as a Second Language, High School Completion, and preparation for the General Education Development Test (GED).

Many courses are offered on an open-entry, open-exit basis. Admission of students occurs on a daily basis and no prior educational background is required. In addition to regular class offerings, emphasis is placed on individualized student learning. Specifically, instruction is provided in the following areas:

ENGLISH AS A SECOND LANGUAGE (ESL)

This program is especially developed for nonnative speakers of English and for those who speak English as their second language. The College offers a series of courses which focus on the language skills necessary to function and communicate effectively in basic, vocational, academic and professional aspects of life.

Developmental Education offers the Non-Credit ESL program, an intensive series of multi-skill courses which meet the needs of students not fluent in English. Persons from the literacy level to the high advanced level of English proficiency acquire the skills required for their daily lives and prepare themselves to enter high school completion, vocational or academic programs. Please see *Communication* for information on the Credit ESL program.

ADULT BASIC EDUCATION (ABE)

The ABE program provides instruction which teaches adults those skills normally acquired in grades 1 - 8. Individual and group learning opportunities are offered students with particular emphasis in reading, writing, mathematics, communication, and life skills.

HIGH SCHOOL COMPLETION

This program provides an educational opportunity for adults, anyone 18 years or older, who desire to complete requirements for a high school diploma. Credit may be granted for military service, for technical school attended, work experience, and credit earned in the ninth grade or higher, except physical education.

GENERAL EDUCATIONAL DEVELOPMENT TEST (GED)

Another function of the program is to prepare students to pass the GED test, which many businesses and governmental agencies accept in lieu of the high school diploma. Refer to the Developmental Education section of the current class schedule for testing information at each campus.

ECONOMIC DEVELOPMENT AND COMMUNITY EDUCATION

College of the Desert has created a variety of unique programs and services designed to provide specialized assistance to the growth and stability of area business. These programs are a vital response to the college mission of assisting in the economic development of the service area by offering fee based customized training programs for business and industry, business start up assistance, applied research, business reference data bases, and individual assistance for business start up or expansion planning.

These programs use both faculty experts and business professionals to deliver specialized training, workshops, seminars and individual counseling on topics appropriate to the needs of local business and industry.

CONTRACT EDUCATION

The college offers custom designed training programs for every level of employee from entry level communication/basic skills to executive level specialized training. All programs are developed in consultation with the employer and delivered at a time and location suitable to the employer on a fee basis. The Office of Contract Education has successfully developed and delivered training programs to many area medium and large businesses, corporations and public agencies utilizing faculty specialists or industry professionals.

ENERGY TECHNOLOGY TRAINING CENTER

The College has created the nation's first training center for technicians who repair and maintain advanced fuel vehicles such as compressed natural gas (CNG), liquid petroleum gas (LPG), and is preparing training programs in other alternate fuel systems such as electric vehicles (EV). These technician training programs are designed to meet the needs of the emerging advanced transportation technology systems in the Coachella Valley and were developed in partnership with SunLine Transit Agency, the Southern California Gas Company, Chancellor's Office and several other public and private sponsors.

INSTITUTE FOR RETAIL STUDIES

The Institute for Retail Studies provides training for employees in the retail sector. Entry level training, management seminars and courses for continuing education units are offered through the Institute.

WORKPLACE LEARNING RESOURCE CENTER

Sponsored by the Chancellor's Office Economic Development Network (EdNet), this center specializes in assessing the skills and abilities of employees at local businesses and designing and delivering appropriate workforce training programs to strengthen those skills that are required to improve employee performance. In addition, the Center provides regional workshops and skill-building sessions for faculty and employers on job related topics of interest.

LEARNING RESOURCES

ACADEMIC SKILLS CENTER

The purpose of the Academic Skills Center (ASC) at College of the Desert is to provide learning and educational services that support the regular classroom instruction. The staff of the ASC works closely with faculty to provide computer aided instruction (CAI) and tutoring which helps students to practice and reinforce what they are learning in their courses. Priority is given in five areas: reading, writing, mathematics, ESL and foreign languages.

In addition, as part of the college's matriculation plan, the ASC assesses all entering students in basic skills and provides an introductory orientation to the District to beginning students.

The ASC also offers training for students interested in becoming tutors and provides study skills assistance for any student enrolled in the College. Finally, English and ESL faculty are frequently available in the ASC to provide consultation and assistance to students in these areas. Located on the Palm Desert Campus in Building E, the ASC hours of operation are listed in the current class schedule.

LANGUAGE LAB

The Language Lab provides support services in programmed cassette practice, video viewing, and computer-aided instruction so students can develop their communicative skills in understanding, speaking, reading and writing. This state-of-the-art technological facility is equipped with interactive, multimedia software carefully chosen to enhance the satisfaction of second language learning.

Interactive programs are available for ESL, Spanish, French, Italian and Japanese. The center is supervised at varied times by qualified language instructors and is located in Room 5 in Building E.

LIBRARY

The Multi-Agency Library unites three agencies, the City of Palm Desert, the Riverside City and County Public Library and the College, in a unique community partnership. Patrons have the opportunity to browse and select from both the COD and public library collections. By complementing each other's particular strengths, the public and academic sections offer a greater variety of services (children's programs, business reference, local history information, etc.) to patrons and students using the new library.

The College Library plays a prominent role in the instructional curriculum of the College. A professional staff is available to assist faculty and students in locating information and completing research projects. The collection of over 45,000 volumes and 277 periodicals and journals will grow by 20,000 volumes in the next few years. DRA, Online Public Access Catalog stations now provide holdings' information for this collection. In addition, three study rooms have been set aside for *group* study. A quiet study room for those who want privacy and silence is also available.

The resources of the library also include audio and video tapes, microfilm, maps, newspapers and duplicating services. The library has the Annenberg Tape collection (294 tapes) from the CPB Project of the PBS educational series. In addition, over 100 tapes have been added to the collection in the areas of art, social studies, and science. Other special services available include interlibrary loans for students, typewriters, and the College of the Desert Alumni Association Student Computer Lab. Application programs available in the lab are MS Word for PC's and MS Word for MacIntosh. Ebscohost (full text periodical database), Newsbank (full text newspaper database) and Britannica online are available in the library and in the Alumni Student Computer Lab in addition to the Internet. Only currently enrolled COD students have access to the computer lab.



LIBRARY FINES

Overdue items will be fined 25 cents per day per item. The fee for a lost or severely damaged book is the current market value of the book as determined by the Coordinator of Library Services (from *Books in Print*), plus a \$25 processing fee. Lost periodicals will be charged the current cover price. Unpaid fees will result in a hold on the student's records. Borrowers that prove consistently irresponsible will have borrowing privileges revoked.

AUXILIARY ORGANIZATIONS

ALUMNI ASSOCIATION

College of the Desert Alumni Association was chartered in 1983. The mission goals of the Association are to provide information regarding the College to the communities of the College District. The Association provides activities wherein alumni, students, staff and members of the community can participate. The Association provides recognition of former students, graduates, community leaders, faculty and staff through the annual Hall of Fame dinner. Each year the Alumni provides \$78,000 in scholarships, which are awarded to college, high school and middle school students. The Alumni Scholarship Endowment Fund now totals in excess of \$600,000. The Alumni Academic Enrichment Endowment Fund now totals \$800,000. The Alumni Association operates the popular, year round, College of the Desert Street Fair. Membership is open to alumni, students, staff, and the community.

COLLEGE OF THE DESERT FOUNDATION

The College of the Desert Foundation is a nonprofit organization whose primary purpose is to provide financial support from the private sector to help underwrite those programs and facilities at the College which cannot be funded through public sources. The Foundation Board and committees are composed of community leaders who volunteer to work with college staff to support specific needs, present and future, of the College's Palm Desert Campus.

Donations to the College of the Desert Foundation can be of any size and may be designated to a particular department or project. Membership opportunities range from \$50 to \$1,000 annually. Estate planning assistance is available for wills, bequests, and charitable trusts.

PRESIDENTS' CIRCLE

The primary purpose of the President's Circle is to support excellence in education and to encourage greater individual involvement with the College.

The Circle is composed of concerned citizens who make an annual contribution of \$1,000 or more to the Foundation. A onetime gift of \$10,000 or more entitles a donor to lifetime membership. For more information call (760) 773-2561.

COLLEGE OF THE DESERT FOUNDATION AUXILIARY

Members serve as goodwill ambassadors and organize special events for the College. Membership dues have been set at \$35 per year or \$350 for a life membership. The Foundation Auxiliary annually provides financial support to a wide variety of College programs.

SUPPORT GROUPS

The College encourages the formation of support groups for any academic program or service. Organizations such as the Friends of the Library have provided much needed financial and equipment resources to strengthen library operations. Staff of the College Foundation can assist in the formation of support groups for any academic program or service. For information and guidelines call 773-2568.

FRIENDS OF THE LIBRARY

The Friends of the Library is a dedicated group that support the College's Palm Desert Campus library not only by augmenting the book collection, but also assisting in supplying new technologies. The Desert Collection Bibliography, focusing on the uniqueness of the region, is regularly updated by the Friends with new and rare books.

COLLEGE POLICIES

AFFIRMATIVE ACTION/ STAFF DIVERSITY/EQUAL OPPORTUNITY/TITLE IX

The Desert Community College District recognizes that diversity in the academic environment fosters cultural awareness, mutual understanding and respect, and harmony and creativity, while providing suitable role models for all students. To this end, the District is committed to the concepts and principles of Affirmative Action by providing equal opportunity in education and employment for all persons and by prohibiting discrimination based on race, sex, color, religion, age (over 40), national origin, disabilities, marital status, or Vietnam-era veteran status. This commitment applies to every aspect of education and personnel policies and practices in employment, development, advancement, and treatment of employees, students and the general public.

Desert Community College District is further committed to nondiscrimination in providing equal opportunity for admission, student financing, student-support facilities and activities, and employment regardless of race, religion, gender, age, disability, or national origin.

The designated coordinator for compliance with Sexual Harassment, Affirmative Action/Staff Diversity, Equal Opportunity, Title IX, and the Americans With Disabilities Act is Jacquelyn Weiss, Director of Personnel. Her office is located in the Modular Building south of the Bookstore. She can also be contacted by telephone at (760) 773-2529.

ACCION AFIRMATIVA DIVERSIDAD PERSONAL OPORTUNIDAD IGUAL TITULO IX

El Colegio del Desierto reconoce la diversidad en el ambiente académico promueve enteración cultural, entendimiento mutuo, respeto, armonía y creatividad

mientras disponiendo modelos apropiados para todos los estudiantes. Hasta este fin, el Distrito está cometido a los conceptos y prácticas de la Acción Afirmativa fomentando oportunidad igual en educación y empleo para todas las personas y prohíbe discriminación basada en raza, sexo, edad (más de 40), origen nacional, incapacidades, estado civil, o veterano de la era de Vietnam. Este compromiso se aplica a todos los aspectos de educación y políticas personales y práctica en empleo, desarrollo, adelanto y trato de los empleados, estudiantes y el público en general.

El Colegio del Desierto está cometido además a no discriminación en promover oportunidad igual para admisión, financiación de estudiantes, facilidades y actividades de apoyo a los estudiantes, y empleo sin tomar en consideración raza, religión, sexo, edad, incapacidades o origen nacional.

La coordinadora designada quien conforma con acoso sexual, Acción Afirmativa/Diversidad Personal, Oportunidad en Igual, y Título IX es Jacquelyn Weiss, Directora de Personal. Su oficina está localizada en el Edificio Modular sur de la tienda de libros. También pueden ponerse en contacto con ella por teléfono al (760) 773-2529.

Habilidad de la idioma Ingles no sera impedimento para registro en un programa vocacional.

ALCOHOL AND DRUG ABUSE POLICY

It is the policy of the Desert Community College District to maintain a drug-free campus and to ensure that no student abuses alcohol. The manufacture, distribution, dispensation, possession, or use of an illegal drug or the unlawful possession, use or distribution of alcohol is prohibited in all buildings, property, facilities, service areas, off-campus sites of the District, or in any location where any District activity is occurring.

All students are required to comply with this policy as a condition of their continued studies. Any student violating this policy will be subject to appropriate action which may include expulsion.

Students who think they may have an alcohol or drug usage problem are advised to voluntarily seek confidential assistance from Student Health Services, and/or Counseling Services. While the District will be supportive of those who seek help voluntarily, the District will be equally firm in identifying and taking appropriate action to those students who continue to be substance abusers and do not seek help or continue substance abuse even while enrolled in counseling or rehabilitation programs.

This policy is in accordance with the provisions of the Drug-Free Schools Communities Amendments of 1989.

PERSONS WITH DISABILITIES

Desert Community College District will ensure that applicants, employees, and students with disabilities receive reasonable accommodations consistent with the requirements of the Americans with Disabilities Act, Government Code Sections 11135 et seq, and Section 504 of the Rehabilitation Act of 1973. Anyone with a physical or mental impairment substantially limiting one or more major life activities; has a record of such impairment; or is regarded as having such an impairment, is considered a person with a disability. Major life activities means functions such as caring for one's self, performing manual tasks, walking, seeing, hearing, speaking, breathing, learning, and working.

The acting coordinator at College of the Desert for compliance with Section 504 of the Rehabilitation Act of 1973 for students is Michael O'Neill. His office is located in the Administration Building, Room AD-3, and he may be contacted by telephone at (760) 773-2535.

SEXUAL ASSAULT POLICY

1. PHILOSOPHY

The District recognizes that one of the most important ways to assist students, faculty and staff who are victims of sexual assault is to help them regain a sense of control over their lives. It is not the function of any District service provider to urge a particular course of action upon the victim of a sexual assault, nor to make any factual determinations as to the events which

occurred. Instead, the duties of the service provider are to make the victim aware of the options and alternatives available, to aid the victim in making an informed decision as to a course of action, and to enable the victim to follow through in that decision. The provider will not take any action based upon a subjective evaluation as to the merit of any charges made, nor will the provider attempt to convince the victim that any course of action is preferable to another.

2. CONFIDENTIALITY

Applicable state and federal provisions will be applied in maintaining confidentiality in the handling of all sexual assault cases. Individual rights to privacy in these matters will dictate District policy, practice, and procedure.

3. TRAINING

Mandatory training on the topic of sexual assault and the provisions of the sexual assault procedures will be provided to employees of all departments providing services to or interacting with sexual assault victims to ensure timely, accurate and sensitive assistance to all concerned.

4. RECORD KEEPING AND DATA COLLECTION

All departments receiving reports about alleged incidents of sexual assault shall complete and forward the Sexual Assault Report Form to the Sexual Assault Liaison who will be responsible for storing, retrieving, and preparing the required report. At the conclusion of each academic year this report will be forwarded to the College President.

5. THE ROLE OF THE SEXUAL ASSAULT LIAISON

The District Sexual Assault Liaison (SAL) is designated as a central referral source for information relating to the rights, options, and services available to a sexual assault victim. Specifically, the SAL will be knowledgeable about campus and community referral resources which can provide medical, legal, counseling, advocacy, and academic assistance.

The SAL will not be expected to provide specific or detailed legal, medical or counseling guidance to a

victim and will refrain from doing so unless licensed in the respective field. The SAL will be expected to inform a victim both orally and in writing of the existence and location of services available to assist the victim of a sexual assault.

6. CASE CONSULTATION AND FOLLOW-UP BETWEEN DCGD AND TREATMENT CENTERS

The SAL will be available for consultation with any treatment center if concerns or questions arise in cases involving Desert Community College District students, faculty, and staff.

7. ONGOING EVALUATION OF RESPONSE SERVICES

A periodic review (no less than once per academic year) shall be conducted to determine:

1) the efficacy of campus response mechanisms in cases of sexual assault; 2) the campus relationship with community assistance agencies; 3) the effectiveness of Desert Community College District procedures for responding to sexual assault cases involving students, faculty and staff.

The Board of Trustees authorizes the President/ Superintendent to develop specific procedures to implement the provisions of this policy.

Responsible Officials: Dean of Student Services; Director, Student Services, CMC; Director of Personnel; Affirmative Action Officer.

SEXUAL HARASSMENT

It is the policy of Desert Community College 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 state and federal statutes.

It is a violation of District policy for anyone who is authorized to recommend or take personal or academic action affecting an employee or student, or who is

otherwise authorized to transact business or perform other acts or services on behalf of the Desert Community College District, to engage in sexual harassment.

Sexual harassment occurs when unwelcome sexual advances are made, sexual favors requested, or other visual, verbal or physical conduct of a sexual nature is made either explicitly or implicitly as a term or condition of an individual's educational or employment status and has the purpose or effect of unreasonably interfering with an individual's educational or work performance or creating an intimidating, hostile, or offensive educational or work environment.

Any employee or student who alleges that he or she has personally suffered sexual harassment or one who has learned of such harassment in his or her official capacity should report the facts of the incident(s) within one year of the alleged harassment or within one year of the date on which the complainant knew or should have known of the facts underlying the allegation of sexual harassment.

Specific rules and procedures for reporting of sexual harassment and for pursuing available remedies are available in the Offices of the Staff Diversity/ Affirmative Action Officer; Provost Office, CMC; Director of Personnel, and Dean of Students. In addition, all complaints filed with the Superior Court, State of California Department of Fair Employment and Housing, and Equal Employment Opportunity Commission shall be investigated by the Director of Personnel. All complaints filed within the District or with the California Community College Chancellor's Office shall be investigated by the Staff Diversity/ Affirmative Action Officer.

ADMISSION • REGISTRATION • FEES

ADMISSION

GRADUATES OF ACCREDITED HIGH SCHOOLS

High school graduates are eligible for admission to the College and enrollment in any course for which they are qualified. Certain two-year curricula have special admission requirements. Students who successfully complete the California High School Proficiency Examination or GED may attend College of the Desert. A copy of the Certificate of Proficiency may be required.

NON-GRADUATES OF HIGH SCHOOL

Non-graduates, eighteen years of age or older, who can profit from instruction and are no longer enrolled in high school, are eligible for admission. For those who are interested, the Developmental Education program provides an alternative way to complete high school graduation requirements. Contact should be made with the Division of Developmental Education, located on the second floor of the Hilb Student Center.

DISQUALIFIED TRANSFER STUDENTS

Students who have been disqualified at other institutions of higher education are not eligible for admission to College of the Desert until at least one semester has elapsed following the semester in which disqualification took place.

PROBATIONARY TRANSFER STUDENTS

Applicants whose scholastic achievement at another college represents less than a "C" average may be admitted for a restricted academic program. Satisfactory performance in this work may allow admission to

subsequent semesters. Admission on probation is a privilege granted, not a right of the applicant.

SPECIAL PART-TIME STUDENTS

Special admission may be considered for students in grades K-12 who excel in academic areas and are seeking advanced education that is not available in the elementary and secondary schools. Admission for vocational courses also may be granted. These options are not provided to enable students to decrease the amount of time to graduate from high school, to provide an alternative for those who have been suspended, or to substitute for home study course work. Specific application procedures must be followed. Instructions and forms may be obtained from the COD Admissions and Records Office or the high school office.

Students seeking Special Part-time Student Admission must have the approval of the school they attend and have the consent of their parents.

Such students must have availed themselves of all opportunities to enroll in an equivalent course(s) at their school of attendance. Admission is limited to no more than five percent of students who have completed a particular grade level at each school immediately prior to a summer session.

Special part-time students are to receive credit for course work completed in the same manner as regularly enrolled students. Such students are subject to tuition and fees and are not eligible for financial aid, with the exception of the Board of Governors Waiver, forms A or B.

SPECIAL FULL-TIME STUDENTS

Public school students who can benefit from advanced scholastic or vocational study may be admitted to College of the Desert. Special full-time students must fulfill admission procedures as prescribed for

matriculated students. Admission is to be based upon students' readiness for advanced scholastic or vocational study. The college reserves the authority to validate students' readiness.

Students seeking special full-time student admission must have the approval of the governing board of the school district in which they are enrolled and the consent of their parents. In cases where students are not enrolled in public school, the parents or legal guardians are to petition directly to the college for admission.

Special full-time students are to receive credit for course work completed in the same manner as regularly enrolled students. Such students are subject to tuition and fees.

INTERNATIONAL STUDENTS

College of the Desert believes that our international students add to the multiculturalism and diversity of our campus. International students who have English language and mathematics skills are encouraged to seek admission. The application deadline for Fall admission is July 15 and the deadline for Spring admission is December 15.

In order to be considered for admission, international students must submit a TOEFL score of 400 (on the paper-based test) or 97 (on the computer-based test). Students with TOEFL scores between 400-450/97-133 should expect to take ESL (English as a Second Language) courses during their first semester at COD. Students with TOEFL scores of 450/133 or higher will be able to take academic courses as determined by college assessment tests.

College of the Desert also provides intensive English training at the Intensive English Academy (IEA). The IEA consists of 20 hours per week of instruction in reading, writing, grammar, listening and conversation. The IEA course offers both an 18 week and 8 week session. Students will receive English language instruction that will prepare them for the TOEFL test. The IEA offers courses from beginning to advanced proficiency.

International students must complete the International Student Application packet in order to apply to both the College of the Desert and the Intensive English Academy. In addition, proof of adequate financial funding for studies at COD and verification of academic achievement equivalent to American high school graduation must be provided. Proof of high school/secondary school graduation must be submitted as an official English translation. International students must maintain health insurance throughout their studies at COD. This can be purchased through the College or students may use their own carrier. International students are required to enroll for a minimum of 12 units each semester and must pay foreign student enrollment fees.

COD has an International Student Program Office whose staff are committed to assisting foreign students during their studies at the College. Although there are no dormitories on campus, this office has a housing coordinator who can assist students with finding host families or apartments.

More information on our programs, or an application can be obtained by contacting our office at: International Student Office, 43-500 Monterey Avenue, Palm Desert, California, 92260; by email: cdelgado@dccd.cc.ca.us; by telephone: (760) 776-7205; or by fax: (760) 776-0157.

TRANSCRIPTS

All students must arrange to have official transcripts of academic records sent to the Admissions and Records Office. A high school senior should have the transcript sent after graduation. Transcripts must be mailed directly from the institution in which the student was enrolled and cannot be considered official unless they arrive in Admissions and Records unopened.

Admission to designated instructional programs, as identified by the college, is conditional until complete official transcripts have been received from institutions attended previously.

All applicants may be required to demonstrate by means of examinations that they are qualified to undertake work at college level.

ASSESSMENT TESTING

The purpose of assessment testing is to help students identify their readiness to perform college level academic study and to help them succeed in their programs of study. Assessment testing for placement in reading, writing and mathematics courses is expected of all students who:

1. Plan to complete an associate degree or certificate of achievement, and/or plan to transfer to a four-year college/university.
2. Plan to enroll in reading, writing and/or mathematics courses.
3. Plan to enroll in a course which has a reading, writing and/or mathematics prerequisite.

Students who have completed required competency courses with grades of C or higher at another accredited college/university are exempt from this requirement, providing official transcripts showing such completion are on file at College of the Desert.

The assessment test consists of three parts: reading, writing, and mathematics. Results are provided to the student. Test results, combined with a student's educational record, educational goals, maturity, etc., are used to place students in appropriate levels of reading, writing and mathematics classes.

Students found to have reading, writing and/or mathematics deficiencies are expected to begin taking courses to correct those deficiencies in their first semester of enrollment.

As College of the Desert offers an assessment program which uses microcomputers, it is available for students to take year-round except for holidays and weekends. Assessment is located in the Academic Skills Center, Building E.

REGISTRATION

Registration at COD is completed via touch-tone telephone enabling students to register initially and make changes to their schedules from their home, office, or anywhere they have access to a touch-tone telephone. On the Palm Desert campus, telephones are available in the back portion of the Dining Hall and the foyer of the Admissions and Records Office. Registration policies and procedures are presented in the class schedule.

SCHEDULE OF CLASSES

The Schedule of Classes is the official list of courses offered each semester. The College reserves the right to make additions or deletions to the list of course offerings during the year or to cancel those classes in which enrollment is insufficient.

Every class offered, unless otherwise stated in the official catalog and schedule of classes, shall be fully open to enrollment and participation by any person who meets the academic prerequisites and/or corequisites of such class (subject to maximum enrollments) and who is otherwise eligible for admission to and enrollment in the College.

CHANGE OF PROGRAM AND WITHDRAWALS

A change of program includes the following: dropping a class, adding a class, adding or reducing units to a class for which the student is already registered, or changing sections of the same course.

Students are expected to plan their schedule carefully with the aid and approval of the advisor and endeavor to maintain it throughout the semester. The student must attend all classes in which originally enrolled until the requested change is officially authorized.

Students are held accountable for every course for which they have registered and are responsible for filing all program changes and withdrawals according to the procedures in the class schedule. Otherwise, the student may receive a grade of "F" for all courses.

FEES - POLIGIES AND PROCEDURES

FEES

1. **Enrollment Fees for Resident Students:** Fees are listed in the Schedule of Classes for each semester or intersession.
2. **Tuition Fee for Out-of-State Residents:** A tuition fee, based on the average cost of instruction which is payable at time of registration, is charged to all students who have not been legal residents of California for one full year. See Schedule of Classes for the current fee. Active military personnel and their dependents, regardless of residence, are exempt from out-of-state fees for their initial year of stay in California. Questions relating to the establishment of California residence should be directed to the Admissions and Records Office.
3. **Tuition Fee for Foreign Students:** In addition to the nonresident fee computed as specified above, foreign students will be charged an amount not to exceed the amount that was expended by the District for capital outlay in the preceding year, divided by the total full-time equivalent students. See Schedule of Classes for the current fee.
4. **Health Service Fee:** Assembly Bill No. 2236, passed by the California State Legislature, and under authority of Section #72246-72244 of the education code, authorizes College of the Desert to charge a health service fee. Exemptions are:
 - a. All active duty military personnel attending classes on a military base and their dependents.
 - b. All BOG Waivers (A, B, and C).
 - c. Apprentice students.
 - d. All students who depend exclusively on prayer for healing in accordance with a bonafide religious sect.
5. **Insurance - International Students:** College Policy #5102 requires each international student enrolled at the college to secure and maintain at their own expense, an accident and illness insurance coverage as established by College of the Desert.
6. **Parking Fee:** A fee is charged to students for parking permits. A valid permit must be displayed to park on campus. There is a charge for replacement of parking permits. This is a nonrefundable fee. Penalties are assessed for violation of parking regulations.
7. **Health Occupations Programs:** College Policy #5101 requires each student enrolled in Health Occupation programs which require patient contact for the development of specific skills to secure insurance coverage against liability for malpractice.
8. **Student ID Card:** An optional student identification (ID) card fee is assessed students who wish to purchase a picture ID. In addition to allowing easy access to campus facilities, the ID card enables students to qualify for discounts on and off campus.

ACCIDENT INSURANCE

The Health Fee entitles students to accident insurance. This policy covers accidents on campus or campus related activities only. Athletes engaged in the interscholastic sports have separate coverage.

MEDICAL INSURANCE

Students may voluntarily purchase supplementary health insurance to cover sickness and hospitalization at minimum costs. This insurance is required for all foreign students each semester.

REFUND POLICY

Requests for refunds are accepted at the Admissions and Records Office until the deadline indicated in the class schedule. Refunds can be authorized only after a refund application is submitted within the prescribed time limits. Applications for refunds are available at the Admissions and Records counter in Building C. Refunds must be requested; they are not issued automatically.

If a refund is due to a student under the College's refund policy and the student received financial aid under any Title IV student financial aid program other than the College work-study program, a portion of the refund shall be returned to the Title IV program. The amount returned will be proportionate to the amount received. If aid has been received from more than one Title IV program, the refund will be returned to the individual programs proportionate to the amount received.

When the College cancels a class, refunds will be issued upon request from the student. The request must be filed during the semester for which the class was cancelled. When the College makes a time change in a class which prevents the student from attending, the student must drop the course and apply for a refund. Deadline dates for dropping courses and submitting refund applications as stated in the Class Schedule must be met.

Refunds totaling \$53.00 or less may be obtained in person in the Admissions and Records Office. Refunds exceeding \$53.00 are mailed to the student approximately four to six weeks after the request is submitted.

Not all fees are refunded. Please read carefully:

Enrollment fees are refundable if class is dropped on or before the "last day to drop and be eligible for a refund." See Academic Calendars for deadline dates.

The **student health fee** is refundable if classes are dropped on or before "last day to drop and be eligible for a refund" if the student completely withdraws from school. It is not refundable for a reduction of program.

The **parking fee** is refundable if classes are dropped on or before "last day to drop and be eligible for a refund," if the student completely withdraws from school. It is not refundable for a reduction of program. The parking sticker must accompany the request for refund.

Nonresidents and foreign student tuition fees are refundable for a reduction of program *or* for a complete withdrawal. See Academic Calendars for deadline to drop and be eligible to receive a refund, and deadline to request a refund.

RETURNED CHECKS

BUSINESS SERVICES OFFICE

A service charge of twenty dollars (\$20.00) will be assessed for any check returned to the College of the Desert by a bank. Students who have a returned check will be notified by the Business Office. A hold will be placed on the students' records preventing any registration activity (including registration for subsequent terms), having transcripts sent, verification of enrollment or other transactions. The hold will remain until the financial obligation is met. Students who have two or more checks returned by their bank will be placed on "cash-only" status and required to make all future payments in cash.

COLLEGE BOOKSTORE

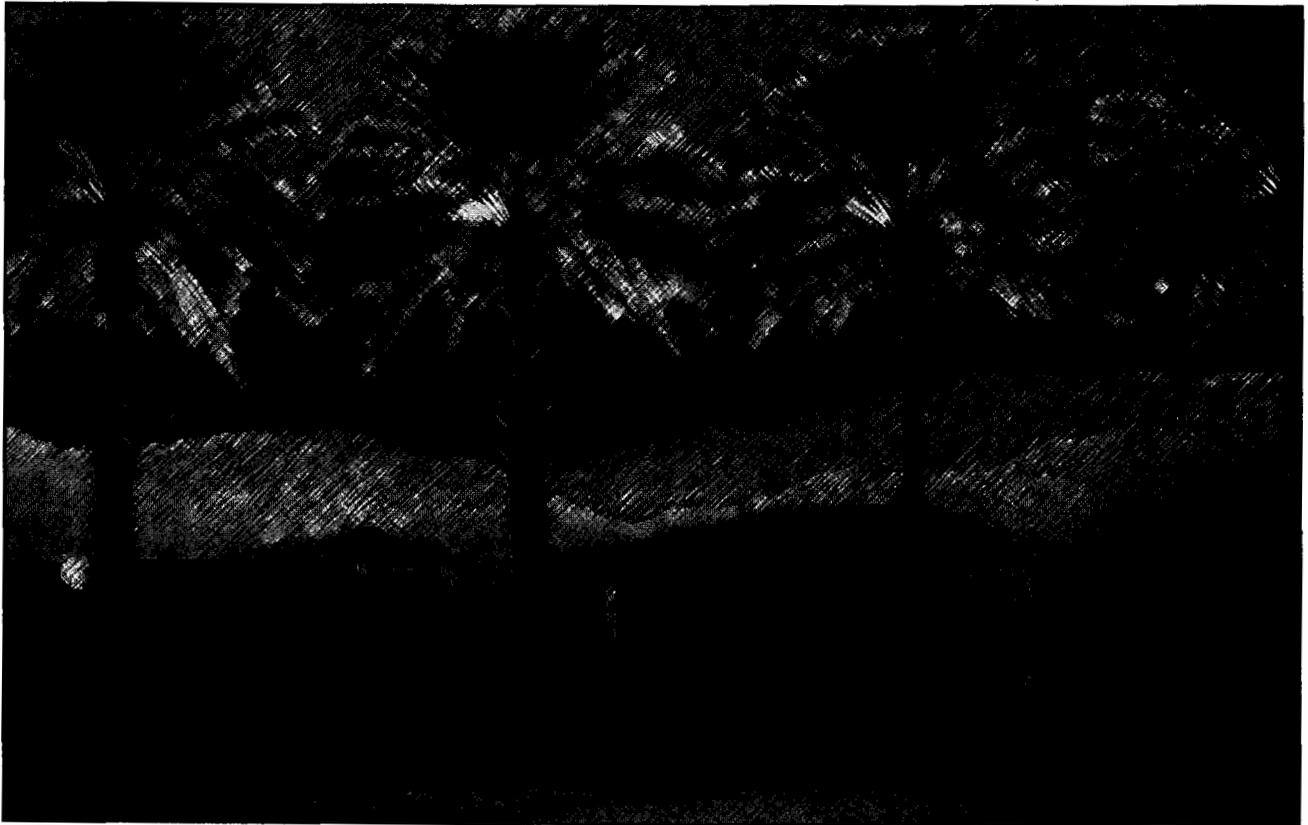
A service charge of twenty dollars (\$20.00) will be assessed for any check returned to the College Bookstore by a bank. Check-cashing privileges will be revoked for students who have more than one check returned by their bank.

RESIDENCY REQUIREMENTS

Applicants who are not U.S. citizens, or who are citizens but have resided in California for less than two years, should bring proof of residency status with them when they submit their application for admission. **Noncitizens must show proof of immigration status.** Students must apply well in advance of the start of the term in order to ensure their residency status will be determined in time to register.

To be eligible to establish residency for the purpose of attending a California community college, applicants must be citizens of the United States or legal aliens with an immigration status which allows them to establish domicile according to the laws of California. The regulations regarding alien students are extensive and cannot be reprinted here. Contact the Admissions and Records Office for information regarding domicile requirements, documentation required and eligible immigration status.

Applicants must have had continuous presence in the State of California and have manifested intent to make California their place of permanent residence a minimum of 12 months before the start of the semester



for which they are applying. Applicants may not have two places of permanent residence.

Students eligible to establish residency who have lived in California for less than 2 years must clearly demonstrate the following:

- Intent to make California their permanent residence at least one year before the start of the semester.
- Physical presence in California for at least one year immediately before the start of the semester.
- Financial independence from anyone who is not a California resident. Several requirements must be met in this area.

Actions which are consistent with the intent to make California the place of permanent residence include, but are not limited to, the following:

- Registering in California all vehicles owned
- Registering to vote in the State of California
- Assuming permanent employment
- Opening an account with a California bank
- Having children in a California public school

- Filing suit in a California court
- Petitioning for divorce in a California court
- Filing taxes as a California resident

The actions listed in the preceding paragraph must have taken place at least one year before the start of the semester for which the student is applying.

Section 68062A of the California Education Code states that a person may have only one principal place of residence. Vehicle Code Sections 12502 and 12505 require that a resident obtain a California driver's license within 10 days from the date residence is established. Maintaining an out-of-state license is considered inconsistent with the intent to make California a place of permanent residence.

In the event that an applicant's residency is in question, it is the responsibility of the applicant to present clear proof of residency. The burden of proof is on the student.

Applicants who are classified as nonresidents are welcome to enroll at College of the Desert, however, they will be subject to nonresident tuition fees in effect at the time of registration. Questions regarding residency should be directed to the Admissions and Records Office.

STUDENT SERVICES

COMMITTED TO SERVICE

To satisfy the educational needs of all the people within the College District, College of the Desert and Copper Mountain provide an "open door," admitting anyone 18 years of age or older who can profit from instruction and is no longer enrolled in high school. The resulting diverse student body encompasses a wide range in abilities, backgrounds, ages, economic status, and ethnic groups.

To serve the educational and personal needs of a diverse population there must be a commitment to the concept that educational institutions exist for the purpose of assisting the individual student in the learning process. All programs, services, and facilities are directed toward the development of the student.

Student Services performs an essential and vital function of the overall educational program. One of the most important responsibilities of a comprehensive student services program is to provide every possible aid to each student.

ADMISSIONS & RECORDS

The Admissions and Records Office identifies and accepts all qualified students for enrollment in College of the Desert. Admissions services also provides record-keeping to safeguard students' academic and personal records. The Admissions and Records Office is located in Building C.

COUNSELING CENTER

Students seek counseling each year for a variety of reasons. In general, they come to the Counseling Center for reasons of personal growth or decision making. Students come for help in such areas as making vocational choices, dealing with study problems, developing social and interpersonal skills,

growing in greater self-understanding and solving personal problems. Emphasis is placed upon assisting students to grow and accept responsibility for their actions.

Counseling services are a fundamental and integral part of the total educational process. Recognizing that each student who comes to the community college is unique, counseling faculty believe their primary responsibility is to respect students' individuality, encourage development, and foster a climate in which individual students attain academic success.

Individual growth is characterized by a kind of strength and independence which enables the student to become considerate of others and concerned about understanding the nature of appropriate involvement as an active and responsible individual in our society.

The overall purpose of the Counseling Center is to promote personal, educational, and professional growth of individuals within society and within the College community. The services provided to students include:

1. New student orientation
2. Personal counseling
3. Transfer information
4. Career assessment
5. Special services for disadvantaged students
6. Consultation and counseling for students with disabilities
7. Veterans services
8. Crisis intervention

MATRICULATION PROGRAM

The purpose of the matriculation process at College of The Desert is to bring the College and student who enrolls for credit courses into an agreement for the purpose of realizing the student's educational goal through the College's established programs, policies, and requirements. The matriculation program promotes student retention and success through early admissions, assessment, orientation, counseling/advisement, basic skills instruction (when needed), and follow-up on student progress.

If you have a question regarding these services or your status, please contact a counselor at your campus.

NEW STUDENT ORIENTATION

Prior to the beginning of the Fall and Spring semesters, new student orientations are held for new students. Matriculating students entering with basic skills and/or scholastic deficiencies are to participate in orientation activities during their first semester of attendance. These activities include study skills instruction, student success assessment, career assessment and student survival skills. The orientation program is designed to assist students to:

1. Receive assistance in deciding which courses to take in order to achieve their educational objectives.
2. Meet advisors, counselors, and program directors.
3. Understand information regarding the college catalog, courses, certificates, Associate of Arts and Associate of Science degrees, and transfer requirements.
4. Become aware of the Counseling Center's services and other programs on campus.
5. Recognize the difficulties that may be encountered during the initial weeks of college.
6. Understand the role of the community college.

TRANSFER CENTER

In addition to meeting with their faculty advisors, students should begin researching transfer options early in their academic career. The Transfer Center houses a college catalog collection, reference library, articulation agreements and other resource materials to help students experience the smoothest possible transition to four-year colleges and universities.

ADVISING PROGRAM

Advising is a student's right at the college and is available for all matriculating students. New students attending orientation receive advisement help there or are referred to their faculty advisors. Students without a selected major will be advised by counselors until

they have selected and declared a major. After deciding on a major, students confer with their faculty advisor.

Advisors work with students to plan realistic programs, assist students with college expectations and provide information on available services.

CAREER CENTER

The Career Center is available to all students for a variety of services including career assessment and decision making, current career information with computer printouts of job outlook, training and educational opportunities, and individual as well as group career counseling. Job placement services are available to all students through the Internet or the job development specialist. The Career Center in Palm Desert is located in the Administration Building. Students are encouraged to use the Center on a drop-in basis or by appointment.

DISABLED STUDENTS PROGRAMS AND SERVICES (DSPS)

Students with disabilities at College of the Desert participate in the same activities and courses as any student. Special services are offered to provide a more equitable classroom experience and to help successfully integrate the student into college life. Such services include: priority registration, tutoring, interpreters, note-takers, specialized counseling, and special equipment to those who qualify.

Special instruction is available to qualified students. Participation is voluntary. Interested students must apply for special instruction programs. Special instructional programs include: Learning Disabled; Acquired Brain Injured; Computer Access/High Tech programs, Work Ability III, and Individualized Instructional Support Lab. A varied program of Physical Activities is offered as well.

The State Department of Rehabilitation also offers services to aid students who have physical, emotional, or other disabilities which handicap them in obtaining

employment. All interested individuals are urged to contact the Learning Disabilities Specialist, the Counselor or the Director of Disabled Students, Programs and Services for further information: (760) 773-2535; TDD (760) 773-2598.

EXTENDED OPPORTUNITY PROGRAM AND SERVICES (EOPS)

The Extended Opportunity Program and Services is a state-funded program which provides students who are educationally and financially disadvantaged the opportunity to attend college. The following services are provided through the EOPS Program:

1. The EOPS Program recruits disadvantaged students from local high schools and the community and strives to provide these students with a Fall Orientation Program to help them prepare for the community college. Priority registration is provided for students.
2. Students admitted into the program are provided with EOPS Grants in order that these students meet their financial obligations on campus. Two specific grants are provided. Book grants are utilized to purchase the students' required textbooks and the EOPS Grant is provided so that the EOPS student may pay for other college-related costs.
3. Application fee waivers for Cal State and UC are available, as well as EOPS applications to Cal State.
4. Academic, career, transfer, personal, and financial aid counseling are provided to each student.
5. An individual student educational plan, enabling each student to formulate his/her program requirements, is provided.
6. The EOPS Office coordinates visits to four-year colleges and makes available EOPS transfer information and applications.
7. The EOPS Office provides bilingual (Spanish and English languages) counseling to the general student body.

8. The C.A.R.E. (Cooperative Agencies Resources for Education) Program initiated during the Fall 1980 semester encourages single parents on public assistance to enroll at College of the Desert and provides counseling, academic advising, financial aid and child care assistance.

Contact (760) 773-2539 for information.

FINANCIAL AID

The College of the Desert provides financial assistance in the form of grants, scholarships, loans, and part-time employment for students who meet specific financial aid program eligibility requirements. If you believe that you and your family will not be able to pay for all of your educational costs, you are encouraged to apply for financial aid.

HOW TO APPLY

To be considered for financial aid, you must complete the Free Application for Federal Student Aid (FAFSA). The FAFSA is available beginning in December of each year and should be completed and mailed to the processing service listed on the form as soon as possible *after* January 1 and before the annual priority filing date of **March 2**.

The Financial Aid Office will continue to accept applications after the priority filing date and will continue to make on-campus awards as long as funds are available. If you meet the March 2 priority filing date, you improve the chances of receiving financial aid from all programs for which you are eligible. You may obtain a copy of the FAFSA from your high school counselor or from a local college financial aid office.

If you have not previously received a bachelor's degree, you must apply for a federal Pell Grant before you can be considered for other financial aid. You can easily do so by following the instructions on the FAFSA. All financial aid applicants who are California residents should also apply for a Cal Grant from the California Student Aid Commission. The application (FAFSA) postmark deadline for consideration for these awards is **March 2**. Additional information and instructions are included with the FAFSA.

After analyzing the information on your FAFSA, the processing service will send you a Student Aid Report (SAR). When you receive the SAR you should bring it to the Financial Aid Office to determine what other forms you will need to complete. Other required documents may include copies of federal income tax returns and/or verification of untaxed income and other information reported on the FAFSA. If you have attended other schools or colleges since graduating from high school, and are a mid-year transfer student, you may be asked to submit a Financial Aid Transcript from the most recent institution attended, regardless of whether or not aid was received.

FINANCIAL AID PROGRAMS

Students who are eligible for financial aid at College of the Desert may receive any of the following:

Pell Grants - Federal grants that provide the foundation for the financial aid "package" to which other aid may be added based upon the total amount a student is eligible to receive.

Cal Grants B & C - State-funded grants awarded by the California Student Aid Commission to California residents who may apply for and qualify on the basis of merit, financial need or vocational objective.

Board of Governors Waiver Program (BOGW) - State waiver program designed to offset the cost of the enrollment fee for eligible students who qualify based on the receipt of financial aid, public assistance or who meet specific income standards.

Cooperative Agencies Resources for Education (CARE) - State-funded program to encourage single parents on AFDC/TANF to enroll and may provide counseling, financial aid and child care assistance.

Extended Opportunity Program Grants and Services (EOPS) - Funded by the State of California, this program is restricted to low-income, educationally disadvantaged students and may include grants, book and counseling services.

Supplemental Educational Opportunity Grants (SEOG) - Federally funded grants awarded to a limited number of eligible students who can demonstrate exceptional financial need.

Scholarships - Scholarships are awarded on the basis of merit and academic promise, financial need, major, or other criteria as specified by the donors of each fund. The number and types of scholarship awards available, as well as the scholarship application procedures, vary. Additional information and applications can be obtained from the Financial Aid Office.

Federal Work-Study Program (FWS) - Federal program that enables eligible students to earn money to help pay their school expenses through part-time employment on the campus.

Short Term Emergency Book Loans - Available to students who have established eligibility for financial aid. Loans are available at the beginning of the semester for the purchase of books and are repaid by the Pell Grant.

Stafford Loans (GSL) - Government-insured loans made by participating banks or other lending institutions to eligible needy students whose total financial aid eligibility cannot be met by other available aid programs.

Unsubsidized Stafford Loans - Available to students who do not demonstrate financial need.

SCHOLARSHIPS

A number of different scholarships are awarded each year to qualified students by the College of the Desert Scholarship Committee based upon academic merit and promise, major or vocational objective, activities or other skill or affiliation, and sometimes, financial need as specified by the various donors. Both continuing and transferring students are eligible for these awards which may range from \$100 to \$1,000 per academic year. Scholarship applicants must not yet have a bachelor's degree, must have completed 12 units at College of the Desert, must be citizens or permanent residents of the United States and must be enrolled on a full-time basis in order to be considered for the award.

Applications are available from the Financial Aid Office in January of each year and must be submitted along with two letters of recommendation to the Financial Aid Office no later than **March 2**. The following is a partial list of the scholarships, donors or funding that may be awarded by the Scholarship

Committee on an annual basis. Each program has specific eligibility criteria.

- **Eugenie Bolz Family Foundation Scholarship Fund**
- **Robert and Mary Ellen Bronski Scholarship Fund**
- **Gayle Brumwell Perpetual Scholarship Fund**
- **Reynaldo J. Carreon Perpetual Scholarship Fund**
- **Shirley Clark Memorial Scholarship Fund**
- **Jerry Codekas Scholarship**
- **College of the Desert Alumni Association Scholarship Fund**
- **College of the Desert Faculty Womens Club Scholarship Fund**
- **Thomas A. Davis Scholarship**
- **Evelyn Fox Memorial Scholarship Fund for Disabled Students**
- **College of the Desert French Club Scholarship**
- **Louis M. and Birdie Halper Foundation Scholarship**
- **Alfred and Viola Hart Award**
- **J. Neil Hastings Perpetual Scholarship Fund**
- **Bob Hope Desert Classic Scholarship Fund**
- **Kathleen A. Little Memorial Scholarship**
- **Lawrence T. Little Memorial Scholarship**
- **Roy Mallery Art Scholarship**
- **Martvest Foundation Business Scholarship**
- **Jean Masters Scholarship Fund**
- **Roy And Velma McCall Scholarship**
- **Pearl McManus Scholarship Fund**
- **Kim Miltenberger Memorial Scholarship**
- **Donald Mitchell Perpetual Scholarship**
- **Matteo Monica II Memorial Scholarship**

- **Olaf Nordland Memorial Scholarship**
- **Joyce Norton Memorial Art Scholarship**
- **Edward Rafferty Scholarship Fund**
- **Rancho Mirage Womens Club Scholarship Fund**
- **Myrne Shephard Memorial Scholarship**
- **Stephen W. Simonsen Memorial Scholarship**
- **Betty Lee Speakman/Tri Palm Womens Club Scholarship**
- **Helen K. Staley Scholarship Fund**
- **University Club of the Desert Scholarship Program**
- **Patricia Wilson Memorial Scholarship**
- **Womens Club of the Desert Scholarship Program**

In addition to the scholarship programs listed, College of the Desert is fortunate to assist in the coordination and delivery of a number of outside or private scholarship awards from various civic groups, clubs and agencies. Potential donors or scholarship committee chairpersons are encouraged to contact the Financial Aid Office if assistance is needed in establishing or implementing a private scholarship program.

AUXILIARY FUNDS

Donald H. and Catherine Mitchell Perpetual Library Fund

Established in 1977, the earnings from the principal sum of \$13,000 are used for the support of the Donald Mitchell Library as determined by the Board of Trustees.

The Natt McDougall, Jr. Memorial "Under The Stars" Lectures

Established in April 1974, this contribution of \$20,000 is to be used in support of lectures engendering the knowledge of, and appreciation for, traditional American ideals and moral spiritual values. Donor: The Rosemary Dwyer Frey Trust.

HEALTH SERVICES

The Palm Desert campus maintains a Student Health Center with a professional nurse on duty daily to provide health education and consultation, first aid, and general health services. A physician is available on a referral basis four days a week. Appointments are scheduled through the Health Services office.

The Student Health Center on the Palm Desert Campus is located in the Hilb Student Center. Student insurance for sickness and accidents is available through the Health Services office.

VETERANS SERVICES

The Veterans Office was established to assist eligible veterans, dependents, and reservists in obtaining their VA educational benefits and achieving their educational goals. The Veterans Office provides information on veterans' benefits and services; assists applicants with completing applications and forms necessary for VA benefits; assists in resolving VA educational pay problems; and helps veterans with referral to other agencies and resources.

College of the Desert is approved by the Department of Veterans Affairs to certify for educational benefits veterans, dependents, and reservists who are working towards a Certificate or Associate in Arts or Associate in Science Degree under Chapter 30 (Montgomery G.I. Bill), Chapter 31 (Vocational Rehabilitation), Chapter 32 (Post-Vietnam Veterans Educational Assistance program), Chapter 35 (Veterans' Dependents), and Chapter 1606 (Selected Reserve).

The College is also approved by the California Department of Veterans Affairs for the attendance of veterans' dependents (Cal-Vet).

VETERANS PROGRAM COURSE REQUIREMENTS

- Students receiving VA benefits are required by the Department of Veterans Affairs to maintain regular class attendance and satisfactory progress.
- Veterans, dependents, and reservists must declare a major and are responsible for enrolling in classes required for their major. Failure to take proper classes can lead to reduction or termination of benefits.
- Any student receiving VA educational benefits who has accumulated 30 or more units, must have an A.A./A.S. degree evaluation before they can be certified for benefits.
- Students may receive benefits when repeating a course in which a grade of "F" or "NC" was received if the course is required or a prerequisite to a required course. In some instances, a grade of "D" may be repeated if it is noted that a grade of "C" or better is required. Notify the Veterans Office of any course you are planning to repeat.
- Less than semester length courses are certified by the Veterans Office for the exact dates of the course only, and not for the entire semester. Check with the Veterans Office before registering for a course that does not begin on the first date of the semester and end on the last date of the semester.
- The Veterans Office must report status changes as well as withdrawals immediately to the Department of Veterans Affairs. In order to avoid possible overpayment of benefits and subsequent billing from the Department of Veterans Affairs, it is imperative that students collecting benefits report all course changes, withdrawals, etc. immediately to the Admissions Office and the Veterans Office.
- The unit load requirements for students receiving VA educational benefits are:

Full-time:	12 units
3/4-time:	9 to 11 units
1/2-time:	6 to 8 units
1/4-time:	3 to 5 units*

 (*for Chapt. 32 and 1606 only)
- Additional information about VA benefits and program requirements may be obtained from the Veterans Office in the Administration Building.

Summer Session and short-term semester courses are computed proportionately for payment purposes. Check with the Veterans Office for unit load requirements.

STUDENT ORGANIZATIONS

College of the Desert offers a variety of campus clubs and organizations for every phase of campus life. They provide opportunities for students in social, service, curricular, and special interest programs. Students are encouraged to participate in campus organizations.

Each year new clubs are chartered as they are requested by the students. Every club is a part of ASCOD, which meets regularly to discuss activities, projects and problems pertaining to its members.

ASSOCIATED STUDENTS (ASCOD)

In keeping with the philosophy of College of the Desert, the responsibility for student government is placed with the students. Regularly enrolled students of the college are encouraged to be participating members of ASCOD.

College of the Desert supports an active ASCOD organization. One student from campus is elected

each year to serve as Student Trustee and to represent the general student population at the regular meetings of the Board of Trustees. ASCOD has adopted a constitution incorporating rules and regulations which provide for a governing body that reflects the interests of the entire student population.

VARSITY SPORTS/ ATHLETICS

College of the Desert is a member of the Foothill Athletic Conference. The conference includes these colleges: Antelope Valley, Barstow, Cerro Coso, Chaffey, College of the Desert, Mt. San Jacinto, Rio Hondo, San Bernardino Valley and Victor Valley. There are also additional schools "hosted" in many of the conference sports.

At this time, the college participates in the following sports: for **men** - baseball, basketball, football, golf, soccer, and tennis; for **women** - basketball, cross-country, golf, soccer, softball, tennis, and volleyball.



STUDENT RIGHTS AND RESPONSIBILITIES

STUDENT RIGHTS AND RESPONSIBILITIES

Each student is individually responsible for meeting all college requirements and deadlines, as presented in this and any other announcements of the college or department in which he/she is enrolled. Class schedule information is considered as supplementary to the college catalog and is also an official statement of policy.

The College intends that every member of the campus community be afforded a work and study environment free of discrimination based on race, color, religion, national origin, sex, marital status, pregnancy, age, disability or veteran status. All persons are to be protected from abusive or harassing behavior.

STUDENT CONDUCT STANDARDS

When a student enters College of the Desert, it is taken for granted by the College authorities that an earnest purpose exists and that the student's conduct will demonstrate that assumption. If, however, the student's conduct is not appropriate, and the student should be guilty of one or more of the violations listed in the Student Conduct Standards and Procedures policy, then appropriate disciplinary action will be taken as listed in the policy.

The following conduct shall constitute good cause for discipline, including but not limited to the removal, suspension or expulsion of a student.

1. Causing, attempting to cause, or threatening to cause physical injury to another person.
2. Possession, sale or otherwise furnishing any firearm, knife, explosive or other dangerous object, including but not limited to any facsimile firearm, knife or explosive, unless, in the case of possession of any object of this type, the student has obtained written permission to possess the item from a district employee, which is concurred in by the college president.
3. Unlawful possession, use, sale, offer to sell, or furnishing, or being under the influence of, any controlled substance listed in Chapter 2 (commencing with Section 11053) of Division 10 of the California Health and Safety Code, an alcoholic beverage, or an intoxicant of any kind; or unlawful possession of, or offering, arranging or negotiating the sale of any drug paraphernalia, as defined in California Health and Safety Code Section 11014.5.
4. Committing or attempting to commit robbery or extortion.
5. Causing or attempting to cause damage to district property or to non-district property on campus, or at college sponsored or supervised functions.
6. Stealing or attempting to steal district property or private property on campus, or knowingly receiving stolen district property or private property on campus.
7. Willful or persistent smoking in any area where smoking has been prohibited by law or by regulation of the College or the District.
8. Committing sexual harassment as defined by law or by District policies and procedures.
9. Engaging in harassing or discriminatory behavior based on race, sex, religion, age, national origin, disability, or any other status protected by law.
10. Willful misconduct which results in injury or death to a student or to college personnel or which results in cutting, defacing, or other injury to any real or personal property owned by the District or on campus.
11. Disruptive behavior, willful disobedience, habitual profanity or vulgarity, or the open and persistent defiance of the authority of, or persistent abuse of college personnel.
12. Cheating, plagiarism (including plagiarism in a student publication), or engaging in other academic dishonesty.

13. Dishonesty; forgery; alteration or misuse of college documents, records or identification; or knowingly furnishing false information to the District.
14. Unauthorized entry upon or use of College facilities.
15. Lewd, indecent or obscene conduct or expression on college-owned or controlled property, or at college sponsored or supervised functions.
16. Engaging in expression which is obscene, libelous or slanderous, or which so incites students as to create a clear and present danger of the commission of unlawful acts on college premises, or the violation of lawful college regulations, or the substantial disruption of the orderly operation of the College.
17. Persistent, serious misconduct where other means of correction have failed to bring about proper conduct.

Students are guaranteed the rights of due process when charged with a violation of conduct standards. Copies of the Student Conduct Due Process Procedures are available in the office of the Dean of Student Services, Counseling Center, and ASCOD Office.

STUDENT GRIEVANCE POLICY

If a student has a reason to believe that he/she has been unfairly treated, and wishes to bring charges against a member of the academic community, the following procedures are followed with respect to the faculty and/or administrators.

I. CAUSE:

Within fifteen (15) school days from the time of the alleged grievance, any student who has reason to believe that he/she has been unfairly treated may initiate grievance procedures against the staff member in question.

II. PROCEDURES:

A. The student shall first discuss the matter with the staff member in question. If, however, the student cannot discuss the matter with the staff member, or if the student is not satisfied with the discussion, he/she may then:

B. Within five (5) school days after consulting or attempting to consult with the staff member, bring the matter to the attention of the staff member's division chairperson or immediate supervisor. This notification shall be in writing. The division chairperson or immediate supervisor will attempt to resolve the matter within five (5) school days. The division chairperson or immediate supervisor shall communicate a decision to the student and staff member. If, however, the student is not satisfied, he/she may then, within ten (10) school days:

C. Bring the matter to the attention of the Dean of Student Services, or designee, who shall, after conferring with the student, call either an informal or formal hearing according to the nature of the complaint, within ten (10) school days.

1. An informal hearing will be between the student and other appropriate school representatives. If the student is satisfied with the outcome of the informal hearing, the process could end.

2. A formal hearing will consist of the student, and if appropriate, his/her on-campus advocate, the accused and his/her on-campus advocate, the Dean of Students or designee, a division chairperson from the division of the accused, and four (4) neutral faculty members, two (2) selected by the student, and two (2) selected by the accused.

If the results of either the informal or the formal hearing are not satisfactory to the student, within ten (10) school days of receiving that decision, the student desiring further appeal shall:

D. Within ten (10) school days of receiving that decision, the student desiring further appeal shall go to the college President who shall then render a decision within ten (10) school days.

E. Within ten (10) school days of receiving that decision, the student desiring further appeal would appeal to the Board of Trustees for a final decision to be made within thirty (30) school days.

F. The intent is to ensure that each and every step will take place as expeditiously as possible.

STUDENT PRIVACY RIGHTS
AND ACCESS TO RECORDS

FAMILY EDUCATIONAL RIGHTS
AND PRIVACY ACT (FERPA)

RELEASE OF INFORMATION

The Desert Community College District (DCCD) does not release student record information without the written consent of the student, except as outlined below under *Disclosure of Education Records*. Although the DCCD adheres to this policy, the law allows the College to release student directory information, except when students have specifically requested that directory information be kept confidential.

DCCD designates the following as directory information: name, address, phone number, dates of attendance, major field of study, awards and degrees received, most recent institution attended, participation in official college activities and sports, and photographs.

In completing the admission application, students are provided the opportunity to request that their directory information be maintained as confidential. Students who wish to change their request, may do so in writing to the Admissions and Records Office at any time to become effective within five to ten working days.

RIGHT TO INSPECT
AND REVIEW RECORDS

All currently enrolled or former students have a right to inspect and review all student records relating to them. Student record is defined according to the Family Educational Rights and Privacy Act (FERPA). To access their transcripts, students must file a letter of request with the Admissions and Records Office. To obtain access to other documents, students must submit a letter of request to the Dean of Student Services Office.

Access shall be granted no later than 15 school days following the date the written request is received. Within the same 15 school days, the student will be notified of the location of all official student records if not centrally located and qualified personnel will be made available to interpret records where appropriate.

RIGHT TO REQUEST AMENDMENT
OF STUDENT RECORDS

Students may file a written request with the Superintendent/President to correct or remove information recorded in their student records which they allege to be: (1) inaccurate; (2) an unsubstantiated personal conclusion or inference; (3) a conclusion or inference outside of the observer's area of competence; or (4) not based on the personal observation of a named person with the time and place of the observation noted.

Within 30 calendar days of receipt of such request, the Superintendent/President, or his designee, shall meet with the student and the employee who recorded the information in question, if such employee is presently employed by the District. The Superintendent/President, or his designee, shall then sustain or deny the allegations.

If any or all allegations are sustained, the Superintendent/President, or his designee, shall order the correction or removal and destruction of the information. If any or all of the allegations are denied, the student may appeal the decision in writing to the Board of Trustees within 30 calendar days of the denial.

Within 30 days of the receipt of an appeal, the Board of Trustees shall, in closed session with the student and employee who recorded the information in question, if presently employed by the District, determine whether to sustain or deny the allegation(s). If the Board sustains any or all of the allegations, it shall order the immediate correction or removal and destruction of the information. The decision of the Board shall be final.

Records of these administrative proceedings shall be maintained in a confidential manner and shall be destroyed one year after the decision of the Board, unless the student initiates legal proceedings relative to the disputed information within the prescribed period.

If the decision of the Board is unfavorable to students, or students accept an unfavorable decision by the Superintendent/President, they shall have the right to submit a written statement of their objections which

shall become part of their student record until such time as the information to which the objection is made is corrected or removed.

DISCLOSURE OF EDUCATION RECORDS

The District may permit access to student records to any person for whom the student has executed written consent specifying the records to be released and identifying the party or class of parties to whom the records may be released.

The District may not permit access to student records to any person without the written consent of the student or under judicial order except:

1. To officials and employees of the District who have a legitimate educational interest to inspect a record.

A school official is: A person employed by the District in an administrative, supervisory, academic, research, support staff, or security position.

A person elected to the Board of Trustees.

A student government officer conducting student elections.

A person employed by or under contract to the District to perform a special task, such as the attorney or auditor.

School officials have a legitimate educational interest if they are:

Performing a task that is specified in their position description or by a contract agreement.

Performing a task related to a student's education.

Performing a task related to the discipline of a student.

Providing a service or benefit relating to the student such as health care, counseling, job placement or financial aid.

2. To officials of another school or school system, upon request, in which a student seeks, intends, or is directed to enroll, including local, county or state correctional facilities where educational programs are provided.
3. To certain officials of the U. S. Department of Education, the Comptroller General, and state and local educational authorities, in connection with certain state or federally supported education programs.
4. In connection with a student's request for or receipt of financial aid, as necessary to determine the eligibility, amount or conditions of the financial aid, or to enforce the terms and conditions of the aid.
5. To other state and local officials or authorities to the extent that information is specifically required to be reported pursuant to state law adopted prior to November 19, 1974.
6. To organizations conducting certain studies for or on behalf of the College.
7. To organizations conducting studies for, or on behalf of, educational agencies or institutions for the purpose of developing, validating, or administering predictive tests, student aid programs, and improving instruction.
8. To accrediting organizations in order to carry out their accrediting functions.
9. To comply with a judicial order or a lawfully issued subpoena.
10. To appropriate persons in connection with an emergency if the knowledge of that information is necessary to protect the health or safety of a student or other persons.
11. To an alleged victim of any crime of violence of the results of an institutional disciplinary proceeding against the alleged perpetrator of that crime with respect to that crime.

RIGHT TO FILE COMPLAINTS WITH THE DEPARTMENT OF EDUCATION

College of the Desert students have the right to file complaints with the U. S. Department of Education concerning alleged failures by the College to comply with the Family Educational Rights and Privacy Act. Written complaints should be directed to The Family Policy Compliance Office, U.S. Department of Education, 600 Independence Avenue SW, Washington, DC 20202-4605; (202) 260-3887; FAX (202) 260-9001.

STUDENT RIGHT-TO-KNOW DISCLOSURE

In compliance with the Student Right-to-Know and Campus Security Act of 1990, it is the policy of the Desert Community College District to make available its completion and transfer rates to all current and prospective students. Beginning in Fall 1995, all certificate-, degree-, and transfer-seeking first-time, full-time students were tracked over a three-year period, and the completion and transfer rates of this group are

listed below. This is a very narrowly defined group and does not reflect all transfer students. These rates do not represent the success rates of the entire student population at College of the Desert, nor do they account for all student outcomes occurring during and after this three-year tracking period.

Based upon the group defined above, 26.1% attained a certificate, degree, or became "transfer-prepared" during a three-year period (Fall 1995 to Spring 1998). Students who are "transfer-prepared" have completed 56 transferable units with a GPA of 2.0 or better.

Based upon the group defined above, 18.0% transferred to another postsecondary institution (CSU, UC, or another California Community College) prior to attaining a degree, certificate, or becoming "transfer-prepared" during a five semester period (Spring 1996 to Spring 1998).

These percentages compare favorably with percentages of community colleges similar in size to College of the Desert. More information about Student-Right-to-Know rates and how they should be interpreted can be found at the California Community Colleges "Student Right-to-Know Information Clearinghouse Website" located at <<http://srk.cccco.edu>>.



CAMPUS SERVICES & POLICIES

BOOKSTORE

The College of the Desert Bookstore carries new and used course textbooks, a wide variety of essential classroom and student supplies, general-interest paperbacks, reference books and many other campus-oriented items such as backpacks, apparel, art supplies, and greeting cards. The Bookstore welcomes nonstudents.

During the Fall and Spring semesters, the Bookstore is open Monday through Thursday 8:00 a.m. to 7:00 p.m., Friday 8:00 a.m. to 3:00 p.m. Please see current Summer Class Schedule for Summer hours.

FOOD SERVICES

The COD Cafe menu items include soup, hot entrees, salad bar, grill service, desserts and beverages. Breakfast is served daily from 7:30 a.m. to 11:00 a.m. The main entree is served from 11:00 a.m. to 2:00 p.m. The Grill is open from 7:30 a.m. to 7:00 p.m. The Cafe closes at 2:00 p.m. on Fridays. See class schedule for Summer hours. Dial-A-Menu at 773-2549 is available daily from 8:00 a.m. to 1:00 p.m.

HOUSING

There are no facilities for on-campus housing at College of the Desert. Information regarding off-campus housing is posted on bulletin boards on campus. The College does not inspect or approve the posted facilities and assumes no responsibility for agreements between landlords and the students.

PARKING

Conveniently located parking lots provide parking for students' and visitors' vehicles. Red, Yellow, Blue and Black curb markings, all No-Parking signs, and Emergency Parking zones are to be observed at all times, day and night. Parking on or in front of ramps is forbidden day and night.

Students parking on the campus must purchase and properly display a DCCD parking permit. Citations are issued by College Security. Motorcycles and motorbikes are to park in areas reserved for them.

Restricted parking is in effect from 7:30 a.m. to 10:30 p.m. Monday through Friday of each school week. Parking regulations may be found in the class schedule or obtained from the Parking Office, located in the Student Center Building.

Parking for individuals with disabilities (blue curb marking) must be observed both day and evening. Permits are obtained from the Department of Motor Vehicles and must be displayed along with a valid DCCD parking permit when parking in any designated blue zone.

PETS/ANIMALS ON CAMPUS

State and local laws prohibit animals on campus at any time. The Humane Society removes animals at owner's expense. Students who violate this law are subject to disciplinary action. Animal control officers periodically patrol the campus and remove any animals found.

ACADEMIC REGULATIONS

ACADEMIC PETITION PROCEDURES

The Academic Regulations Committee has been established to review and to take action on students' requests for waiver of academic regulations and policies. Students may petition to this committee when, in the student's opinion, a particular academic regulation or policy is not applicable in a specific situation. Contact the Admissions and Records Office for procedures.

ATTENDANCE

FIRST CLASS MEETING

It is extremely important for students to attend the first class meeting after registration because instructors may drop students who do not appear in order to make room for others who may desire to take the class. If a student is dropped as a "no-show" for nonattendance, and if space is available, it is the student's responsibility to re-register into the class at the Admissions Office.

CLASS ATTENDANCE

A student is expected to attend all class sessions. It is the student's responsibility to contact instructors regarding any absence. The acceptance of an excuse for absence other than illness or official leave of absence is at the discretion of the individual instructor. When absences are excused due to personal illness or the serious illness or death of a member of the student's family, or a field trip, or an authorized absence on behalf of the College, all work assignments to be made up must be described by the instructor to the student in advance of the absence when possible. It is the student's responsibility to make up all class work missed to the standards for the course.

AUDITING CLASSES

The Desert Community College District does not allow auditing of classes.

LEAVES OF ABSENCE

Students who have a need to withdraw for a short time, but who wish to retain their status in classes and resume work before the end of the current semester, should apply for a "Brief Leave of Absence," which expires on a definite date. If students must depart suddenly, as in a family emergency, they should write the Dean of Student Services as soon as possible requesting a leave to be away from classes. Brief leaves also may be issued upon recommendation of the Student Health Service in case of illness. Requests for a Brief Leave of Absence must be filed with the Office of the Dean of Student Services.

CLASSIFICATION OF STUDENTS

Freshman: A student who has completed fewer than 30 units of college credit.

Sophomore: A student who has completed 30 or more units of college credit.

Post-Graduate: A student who has been awarded a degree and has enrolled for further study.

Full Time: A student enrolled for 12 or more credit units.

Part Time: A student enrolled for fewer than 12 credit units.

CLASSIFICATION AND NUMBERING OF COURSES

There are three types of courses/classes offered by College of the Desert:

1. Credit Courses - Courses numbered 1-99 are credit courses. A credit course is a part of an approved educational program or major. The credit awarded by College of the Desert for completion of most courses is accepted as a completion of a portion of an appropriate

educational sequence leading to an Associate Degree or Baccalaureate Degree by the University of California, the California State University or an accredited independent college or university. A few remedial courses in Basic Skills are offered for credit but do not count toward completion of a program or major.

2. Non-Credit Courses - Courses numbered 100 and above are designed for students who are not candidates for degree programs and work in such courses is not applicable toward graduation. Non-credit courses are offered in Developmental Education, Adult Basic Education, high school completion (GED), and DSPS courses designed for students with disabilities.

3. Community Education Classes - Classes are designed for students whose primary motive for activity and learning is personal enrichment only. The classes carry no academic credit and are supported by class fees.

TRANSFERABLE COURSES

Courses transferable to the California State University are indicated by "CSU" and those transferable to the University of California are indicated by "UC" under the course description in the "Courses of Instruction" section of this catalog. The CSU or UC designates courses accepted for elective credit. Such courses count for the 60 units required for advanced standing transfer to CSU or UC. Students interested in transferring to the University of California should refer to the University of California Transfer Course Agreement, available in the Transfer Center, to make sure they have enough units, since we offer several UC transferable courses for which credit is decreased by one or more units by UC.

CHANGES IN TRANSFERABLE CREDIT

As new courses are added or changes are made in current courses, University of California transfer credit may not be applicable until UC has adopted these changes.

COURSE PREREQUISITES, COREQUISITES, ADVISORIES, AND OTHER ENROLLMENT LIMITATIONS

Complete course prerequisites, corequisites, and advisories are listed in this catalog after the course descriptions. These requirements are intended to ensure students a reasonable chance of success. Questions regarding course eligibility should be discussed with your faculty advisor .

Prerequisite is a course or courses, skills, or a body of knowledge that students should possess prior to enrolling in a course or program. Prerequisites indicate the College of the Desert course which must be taken prior to enrollment in a given course. (In A,B,C,D sequences, A is usually prerequisite to B, etc.) Prerequisite requirements must be met before enrollment is permitted.

Prerequisite courses must be completed with a grade of C or better.

Corequisite is a course or courses students are required to take simultaneously in order to enroll in another course. Corequisite represents a set of skills or a body of knowledge students must acquire through concurrent and continued enrollment in another course or courses in order to receive a C or better in the course requiring the corequisite.

Advisory is a condition of enrollment which students are advised, but not required, to meet before or concurrently with enrollment in a course or educational program. An Advisory suggests skills, experiences, or a body of knowledge with which students would achieve a greater depth or breadth of knowledge or skill development, but without which students are likely to receive a satisfactory grade.

Limitations of enrollment - restrictions imposed due to the nature of the course such as prerequisites, corequisites, intercollegiate competition, honors, public performance or restrictions imposed in the number of students who may enroll in a course subject to "first come, first serve" or due to health and safety considerations, facilities limitations, faculty workload, the availability of qualified instructors, funding limitations, the constraints of regional planning, legal

requirements imposed by statutes, regulations, or contracts, or other such limitations as designated by the District.

The District has established procedures by which any student who does not meet a prerequisite or corequisite or who is not permitted to enroll due to a limitation on enrollment, but who provides satisfactory evidence, may seek entry into the class according to a challenge process.

Any prerequisite or corequisite may be challenged by a student on one or more of the following grounds:

1. The prerequisite or corequisite has not been established according to the district's process of establishing prerequisites and corequisites;
2. The prerequisite or corequisite violates Title V, Article 2.5, Section 55201 (Policies for Prerequisites);
3. The prerequisite or corequisite is either unlawfully discriminatory or is being applied in an unlawfully discriminatory manner;
4. The student has the knowledge or ability to succeed in the course or program despite not meeting the stated prerequisite or corequisite;
5. The student will be subject to undue delay in attaining the goal stated in the student's educational plan because the prerequisite or corequisite course has not been made reasonable available.

The determination of whether a student meets a prerequisite or corequisite shall be made prior to the student's enrollment in the course.

The student is responsible and bears the burden for showing that grounds exist for the challenge. The challenge must be made in writing to the Director of Admissions prior to the student's enrollment in the challenged course.

Challenges shall be resolved by the Director of Admissions and/or appropriate faculty within five (5) school days of the receipt of the challenge.

If space is available in a course when a student files a challenge, the District shall reserve a seat for the

student and the student is assured a seat in the class if the challenge is ultimately upheld. If no space is available in the course when a challenge is filed and, if the challenge is upheld, the student shall be permitted to enroll if space is available when the student registers for that subsequent term.

Matriculation waiver forms are available in the Counseling Office for students seeking to challenge a course prerequisite.

PHYSICAL EDUCATION REQUIREMENT

Completion of a Physical Education (PE), Health Education (HE), Recreation (RE), or Varsity (VSM, VSW) course is required in each of the first *two* semesters in which a student is enrolled in nine units or more. These two classes are *also* a requirement for graduation from College of the Desert.

COURSE UNITS AND STUDENT LOADS

UNIT OF CREDIT

The term "unit of credit" is a measure of time and study devoted to a course. One credit unit is equivalent to one hour of lecture per week or three hours of lab per week per semester. Many courses are made up of a combination of lecture sessions and laboratory sessions.

MAXIMUM NUMBER OF UNITS

A normal class load for Fall and Spring semesters is considered to be 12-17 units plus an activity class in physical education. Students working full time are encouraged to carry a reduced load. Students with advanced standing, and having a "C" average or better are permitted to enroll in 19 units plus physical education. During the Summer term, students may be limited to 7 units.

Students wishing to obtain a variance from the above limitations may petition the Director of Counseling or the Dean of Student Services.

STUDENTS WHO MUST TAKE A
MINIMUM
NUMBER OF UNITS

<u>Category</u>	<u>Minimum Units</u>
Athletes	12
ASCOD Officers	5
CARE Students	12
EOPS Students	12
Financial Aid Recipients	
Full-time	12
3/4-time	9
Half-time	6
International Students	12
Veterans' Benefits Recipients	Varies by Program

GRADING SYSTEM

The results of each student's work in each course are reported to the Registrar in scholarship grades as follows:

<u>Symbol</u>	<u>Definition</u>	<u>Grade Point</u>
A	Excellent	4
B	Good	3
C	Satisfactory	2
D	Passing, less than satisfactory	1
F	Failing	0
CR	Credit (at least satisfactory; units awarded but not counted in GPA)	
NC	No Credit (less than satisfactory, or failing; units not counted in GPA)	

Students may choose the credit/no credit grading option on designated courses. This choice can be made at the time of registration, or the student may file a Petition in the Admissions Office prior to the first 30% of the class.

Grades of F count as units attempted and completed with a failing grade. Such grades are computed in the grade point average (both semester and cumulative). Units for which grades of F are assigned are not earned units and do not fulfill course, certificate or degree requirements.

GRADE POINTS

The College of the Desert follows the same system of grade points used by most colleges and universities in the State to give an overall appraisal of the student's level of achievement. Semester grades are assigned grade points as follows:

- A = 4 grade points per unit earned
- B = 3 grade points per unit earned
- C = 2 grade points per unit earned
- D = 1 grade point per unit earned
- F = 0 grade points per unit earned

Semester marks with no assigned grade points are as follows: I, CR, NC, and W. Units for F grades are counted in computing grade point averages.

GRADE POINT AVERAGE

The grade point average (GPA) is computed by dividing all units attempted into all grade points received. The following example illustrates the grade point average calculation.

<u>Course</u>	<u>Units</u>	<u>Grade</u>	<u>Grade Points</u>	
			<u>Per Unit</u>	<u>For Class</u>
ENG 1B	3	B	3	9
ART 7A	2	A	4	8
HE 1	3	C	2	6
NR 1	3	B	3	9
NR 1L	1	B	3	3
<u>HIST 17</u>	<u>3</u>	<u>A</u>	<u>4</u>	<u>12</u>
<u>TOTALS</u>	<u>15</u>			<u>47</u>

Total Grade Points (47),
divided by Total Units Attempted (15),
equals Grade Point Average (3.13 GPA).

NON-EVALUATION SYMBOLS

The following non-evaluation symbols may appear on official college transcripts:

"I" (Incomplete) is a temporary mark assigned when the instructor determines that a student has been unable to complete course requirements by the designated ending date of the course according to the following definition.

DEFINITION (Section 55758): Incomplete academic work for unforeseeable, emergency and justifiable reasons at the end of the term may result in an "I" symbol being entered in the student's record. 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. This record must be given to the student with a copy on file with the registrar 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" must be made up no later than one semester 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.

An incomplete is issued only upon mutual agreement between the instructor and the student. The instructor and the student will agree upon course work and/or other requirements necessary for the removal of the incomplete mark and the grade to be assigned, as well as the grade to which the incomplete will default if the requirements are not met. The student is expected to make up the incomplete by the end of the semester immediately following the receipt of this mark or the grade could default to an "F." In unusual circumstances the student may petition the instructor for a one-semester extension.

The **Incomplete Grade Form** is issued only to instructors. In addition to the terms of agreement as outlined in the previous paragraph, this form will contain the student's signature and the instructor's signature. The student and the instructor will each retain a copy of this agreement. A third copy will be kept on file with the permanent roster in the Admissions and Records Office.

"IP" (In Progress) is a mark used only for those courses which extend beyond the normal end of an academic term. This mark indicates that work is in progress and that upon completion of this work an evaluative symbol (grade) will be assigned. The "IP" shall not be used in calculating grade point average.

"RD" (Report Delayed) is a mark used when there is a delay in reporting the grade of a student due to circumstances beyond the student's control. This mark is a temporary notation and is to be replaced as soon as possible by a permanent symbol. Only the Admissions Office may assign the "RD" mark. The "RD" notation shall not be used in calculating grade point average.

"W" (Withdrawal) is a mark assigned to students who withdraw after 30 percent, or the fourth week of the term (whichever is less), and prior to 75 percent of the term. Withdrawal after the 75 percent point is not possible.

If there are extenuating, documented circumstances such as an accident, hospitalization, or other conditions beyond the student's control, the student may petition for an administrative withdrawal in the Admissions and Records Office. Title 5, California Administrative Code, Section 55758, states that withdrawal after the end of the fourteenth week (or 75 percent of a term, whichever is less) when the District has authorized such withdrawal in extenuating circumstances, after consultation with appropriate faculty, shall be recorded as a "W."

GRADE RESPONSIBILITY

The designated student grade responsibility date shall occur on the last day of the fourteenth week of instruction or at the 75 percent point of a semester or session, whichever is less. Students who do not withdraw by the deadline indicated in the class schedule will receive a grade of A, B, C, D, F, CR or NC. All grades become a part of the student's permanent records.

Where verified cases of extenuating circumstances exist, students may petition to be allowed to withdraw from class(es) after the grade responsibility date. The petitioning process is to commence with the Director of Admissions after consultation with the instructor(s) of record, or in the event the instructor cannot be contacted, the division chairperson. Extenuating circumstances include verified cases of accidents, illnesses or other circumstances beyond the students' control which would prevent them from completing the class(es). Where such withdrawals are approved, the symbol "W" may be granted.

GRADE CHANGE POLICY

The College has a grading policy and procedures to be followed when issuing grades and when grades are to be changed.

1. The instructor of record for the class has the right to issue a letter grade to a student. Once a grade has been given, that grade is final.
2. A change of grade may be made in only one of two ways:

(A) An INCOMPLETE (I) is changed to a final grade. See *GRADING SYSTEM, Non-Evaluation Symbols* for definition and limitations.

(B) GRADE CHANGE (Section 55760)

- (1) In any course of instruction in a community college district for which grades are awarded, the instructor of the course shall determine the grade to be awarded each student in accordance with Section 55760 of this chapter. The determination of the student's grade by the instructor shall be final in the absence of mistake, fraud, bad faith, or incompetency. Procedures for the correction of grades given in error shall include expunging the incorrect grade from the record
 - (2) The District Board shall adopt and publish procedures and regulations pertaining to the repetition of courses for which substandard work has been recorded in accordance with Section 55002, and Sections 55761 and 55762. When grade changes are made in accordance with these sections, appropriate annotations of any courses repeated shall be entered on the student's permanent academic record in such manner that all work remains legible, insuring a true and complete academic history.
3. The Director of Admissions shall approve all Change of Grade and Incomplete Grade forms based upon the Grading Policy adopted by the Board of Trustees.
 4. All requests for Grade Changes that do not adhere to the Grading Policy shall be returned to the instructor submitting the request.

GRADE APPEALS

The student shall first attempt to solve the problem with the instructor involved. If the problem is not solved, the student may follow the steps outlined in the *Grade Grievance Procedure*.

GRADE GRIEVANCE PROCEDURE

By law, an instructor is solely responsible for the grades assigned; no instructor may be directed to change a grade except in certain narrow circumstances authorized by the California Education Code, Section 76244(a), which reads as follows: "When grades are given for any courses of instruction taught in a community college, the grade given to each student shall be that determined by the instructor of the course and its determination, in the absence of mistake, fraud, bad faith, or incompetency, shall be final."

When a student believes that the District grading policy has not been followed, and that the grade received in class was the result of "mistake, fraud, bad faith, or incompetency," the student **MUST** discuss this concern with the course instructor by the end of the fourth week of the following semester. Any student who is not satisfied after meeting with the instructor, may choose to pursue a grievance.

FRAUD: A deliberate misrepresentation of the truth or a fact used to take money, rights, or other privilege or property away from a person or persons may be found to be fraud.

BAD FAITH: Bad faith may be found in an instance of an intent to deceive, in an act of dishonesty.

INCOMPETENCY: Incompetency may be found in a lack of ability, qualifications, fitness, or performance.

If a student files a grade grievance in accordance with the definitions and procedures described herein, and if, following the grievance procedures, it is found that the grade assigned has in fact been the result of "mistake, fraud, bad faith, or incompetency," then a new grade will be assigned, and that grade will become the final grade.

The student must observe the following procedures. The procedures must be completed by the end of the following semester (excluding Summer School) during which the cause for grievance occurred.

LEVEL 1: Prior to filing a formal written grievance, the student must attempt to solve the problem. When grades are available, the student is expected to contact his or her instructor directly to discuss their differences not later than the fourth week of the following semester. At this stage most differences will be resolved. This contact should be conducted in the privacy of the instructor's office whenever possible, and the pertinent issues should be well defined so that they may be discussed as objectively as possible.

If the problem cannot be resolved at this level, the student may, after informing the instructor that he or she plans to file a written grievance, progress to Level 2.

LEVEL 2: The student submits a written request for a meeting with the instructor's supervisor to resolve the grievance. The written request must include, in detail, the student's basis for initiating the grievance. The student shall initiate this request within five (5) school days after meeting with the instructor. The supervisor shall meet with the instructor and student within five (5) school days of reception of the formal grievance accompanied by all supporting data supplied by the student in an attempt to resolve the issue at this level. Any such meeting regarding a grade grievance will be closed to all observers.

At this level, if the issue can be resolved to the satisfaction of the instructor and student, and the action to be taken is to change a grade due to a mistake, the incorrect grade shall be removed from the student's record. Within two (2) school days, the decision and proposed action of the supervisor will be communicated in writing with copies to the student involved, the faculty member involved, the Dean of Instruction or designee, and the Office of Admissions and Records.

If the problem cannot be resolved at this level, the student may, after informing the instructor and supervisor that he or she plans to file a written grievance, progress to Level 3.

LEVEL 3: The student submits a written request for a meeting with the Dean of Instruction to resolve the grievance. The written request must include, in detail, the student's basis for initiating the grievance. The student shall initiate this request within five (5) school days after meeting with the supervisor and instructor. The Dean shall meet with the instructor, supervisor and student within five (5) school days of reception of the formal grievance accompanied by all supporting data supplied by the student in an attempt to resolve the issue at this level. Any such meeting regarding a grade grievance will be closed to all observers.

At this level, if the issue cannot be resolved to the satisfaction of the supervisor, instructor and student, the Dean assumes the responsibility for arriving at a decision regarding the validity of the grievance and appropriate action to be taken. If the action to be taken is to change a grade due to a mistake, the incorrect grade shall be removed from the student's record. Within two (2) school days, the decision and proposed action of the Dean will be communicated in writing with copies to the student involved, the faculty member involved, the supervisor involved, and the Office of Admissions and Records. The Dean's decision completes and exhausts the Desert Community College District's Grade Grievance Procedure.

The president or his designee may shorten or lengthen the times specified in these procedures. The intent, however, is to ensure that each and every step will take place as expeditiously as possible.

ACADEMIC HONORS

DEAN'S LIST

Students earning 12 or more credit units in a semester with a grade point average of 3.50 or better are cited on the "Dean's List" which is the highest academic honor in the College.

HONOR ROLL

Students earning 12 or more credit units in a semester with a grade point average between 3.00 and 3.49 are listed on the "Honor Roll."

GRADUATION HONORS

Students receiving associate degrees may graduate with honors as indicated below. All grades earned at all colleges attended will be included in the computation of the cumulative grade point average for graduation honors. Designations will be made on diplomas of all recipients and recognized at Graduation for students who participate.

Academic honors are awarded as follows:

<u>Honor</u>	<u>Cumulative GPA</u>
Highest Honors	3.90 - 4.00
High Honors	3.75 - 3.89
Academic Distinction	3.50 - 3.74

PROBATION, DISQUALIFICATION, AND REINSTATEMENT

Probation, disqualification, and reinstatement policies and procedures are designed to assist students in making progress toward realistic academic, career, and personal goals.

STANDARDS FOR PROBATION

A student who has attempted at least twelve (12) semester units, as shown by the official academic record, shall be placed on academic probation if the student has earned a grade point average below 2.0 in all units graded according to the established College grading scale.

Students on probation will be expected to show improvement by maintaining a semester grade point average (GPA) of 2.0 or higher, or completing more than 50 percent of their classes to avoid disqualification.

Students who have attempted at least twelve (12) semester units will be placed on progress probation when the percentage of all units attempted for which symbols of "W," "I" and "NC" are earned reaches or exceeds 50 percent.

Students transferring to College of the Desert from another college are subject to the same probation and dismissal policies as College of the Desert students.

NOTIFICATION OF PROBATION

The college shall make a reasonable effort to notify a student subject to probation at or near the beginning of the semester in which the probation will take effect but, in any case, no later than the start of the fall semester. As a condition of continuing enrollment, a student placed on probation is to receive individual counseling, including the regulation of his or her academic program. Each student shall also receive any other support services to help him or her overcome any academic difficulties. Prior to registration, a student on probation must have counselor approval of his or her educational program.

REMOVAL FROM PROBATION

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

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 percent of units in this category drops below 50 percent.

STANDARDS FOR DISQUALIFICATION

A student on academic probation shall be subject to disqualification if in each of three consecutive semesters of enrollment the student's cumulative and semester grade point averages are below 2.00 in all units attempted which were graded according to the established District grading scale.

Students on progress probation shall be subject to disqualification if progress probation has been earned for three (3) consecutive semesters of enrollment.

NOTIFICATION OF DISQUALIFICATION

The college shall make a reasonable effort to notify a student subject to disqualification at or near the beginning of the semester in which the disqualification will take effect but no later than the start of the Fall semester. A student subject to disqualification has the

right of appeal. An exception to disqualification may be made in the event of extreme and unusual circumstances that can be supported by evidence provided by the student. Requests for appeal shall be submitted to the Director of Counseling.

REINSTATEMENT

A student applying for reinstatement shall not be reinstated until a minimum of one semester has elapsed since disqualification. A student applying for reinstatement must submit a written request to the Counseling Center. The request shall explain what circumstances or conditions would justify reinstatement. A student who is reinstated shall receive individual counseling to assess his or her academic and career goals. Prior to registration, a reinstated student must have counselor approval of his or her educational program.

REPETITION OF COURSES

SUBSTANDARD GRADES

A student who receives a grade of D, F, or NC for a course may repeat the course one time and receive a new grade and credits. The previous grade and credits are disregarded in the computation of grade point average and credits and appropriate annotation is made on the student's permanent record in such a manner that both grades remain legible, insuring a true and complete academic history.

Where special circumstances exist, a student may be allowed to repeat a course a second time. Special circumstances include consideration of illness, accident, or other conditions which, being beyond the control of the student, resulted in his or her substandard work.

Applications to take a course a third time in which a grade of D, F, or NC has been received two times are available in the Admissions and Records Office. Students must apply well in advance of registration to allow the Academic Regulation Committee sufficient time to review the merits of the request.

GRADES OF "C" OR BETTER

Students may take PE activity courses in which they have been granted grades of C or better a maximum of four times. Students are not eligible to repeat any other course for which they have been granted a grade of C or better except where special circumstances exist which justify repeating the course. Special circumstances include:

1. The lapse of time - a significant number of years since the course was completed.
2. Changes in course content since the course was completed, or
3. Need to acquire knowledge or skills to be able to progress to higher level course work.

Grades earned in such cases are not included in the student's grade point average. The credit is not awarded. The courses, grades and units will be listed on the student's transcript.

Applications to repeat a course with a grade of "C" or better are available in the Admissions and Records Office. Students must apply well in advance of registration to allow time for Academic Regulation Committee review.

ACADEMIC RENEWAL POLICY

1. A student may petition to have units and credits for all courses taken during one semester of college work eliminated from the computation of his/her cumulative grade point average.
2. Under extenuating circumstances a second semester consecutive with the first semester may be considered under the same regulations. Extenuating circumstances are beyond the control of the student and may include but are not limited to situations such as illness or injury to the student, or death or illness in the family. The student must supply documented evidence of all extenuating circumstances.
3. If the petition for academic renewal is granted, the permanent record of the student will be annotated so that it is evident to all users of the record that no

units for work taken during the semester(s) covered by academic renewal, even if satisfactory, will apply toward graduation or other educational objectives. All courses, units, and grades shall remain legible on the permanent record to insure a true and complete academic record of the student's college courses.

4. A student may repeat work taken during academic renewal semester(s) only if such repetition is necessary to allow normal progression toward an acceptable educational objective.
5. A student must include all work, including academic renewal semester(s), in the computation of the cumulative GPA toward any honors program.
6. No part of the regulation and procedures shall conflict with:
 - a. Education Code, Section 76224, pertaining to the finality of grades assigned by instructors, and
 - b. Chapter 2.5 of Division of Title 5 (commencing with Section 59020) pertaining to the retention and destruction of records, and particularly Section 59023 (d), relating to the permanency of certain student records.
7. The Registrar shall maintain records of all actions taken under this regulation and a yearly review of this regulation shall be made by the Educational Policies and Practices Committee.

REQUEST FOR ACADEMIC RENEWAL

1. A student seeking academic renewal is responsible for presenting evidence to show:
 - a. that the previously recorded courses were substandard academic performance and are not reflective of his/her current academic ability, and
 - b. that the student is enrolled in a defined educational program.

Evidence of academic ability since the semester in question shall include one of the following:

- a. 15 semester units with a minimum of a 3.00 GPA

- b. 30 semester units with a minimum of a 2.50 GPA
 - c. 45 semester units with a minimum of a 2.00 GPA
2. At least 12 months must elapse between the date of the request and the semester for which academic renewal is sought.
 3. The student may request academic renewal only once.
 4. The request for academic renewal shall be directed to the Office of Admissions and Records.

EXAMINATIONS

FINAL EXAMINATIONS

Final examinations are obligatory in all courses except those specifically designated as requiring special treatment in lieu of final examination. All examinations will, so far as practicable, be conducted in writing and a maximum time will be assigned before each examination. Students are required to take the final examination at the appointed time and place in order to secure credit. Any exception to this policy must be approved by the Dean of Student Services. Absence due to illness must be verified by a medical doctor.

CREDIT BY EXAMINATION (COURSE CHALLENGE)

Granting unit credit by examination for a course is based on the principle that previous experience, training, or instruction is the equivalent of a specific course taught by the College. If an examination shows that the student possesses adequate equivalency and mastery of the subject, credit is granted.

A student seeking credit by examination will receive a letter grade (A, B, C, D, F, NC, CR) and grade points in the same way as if enrolled in a regular course. A student may challenge a course only once. Credit earned according to this policy shall not count toward determination of eligibility for veteran's benefits. Credit by examination is possible in selected courses only. Contact the appropriate academic division office for additional information.



Exceptions to the above may be made when necessary to meet provisions of California state law or the rules and regulations of state agencies governing programs of the California Community Colleges.

Credit by examination may be granted only to a student who (1) is currently enrolled in at least one course in the College, (2) has completed at least 12 units in residence, (3) is not on academic probation, (4) has submitted transcripts of all previous course work, (5) has not earned college credit in more advanced subject matter, and (6) has not received a grade (A, B, C, D, F, CR, NC), or equivalent, in the course for which he or she is seeking credit by examination at this or any other educational institution.

Under the Credit by Examination policy, a student may challenge no more than 10 units towards an Associate Degree or a Certificate of Achievement (an exception is allowed for VN students who are challenging the first semester of the ADN program). Unit credit granted by examination to a student shall not count towards the minimum of 12 units required for residency.

Students interested in Credit by Examination should select a specific course for which they believe they have sufficient knowledge, then contact the Division Office to determine the possibility of challenging the course and to obtain information regarding the requirements for successful challenge. The Credit by Exam form to initiate the formal approval process may then be obtained from the Admissions and Records Office. Payment of a nonrefundable fee of \$25.00 is required at that time. The request must be approved by the midpoint of the semester, and the examination must be given prior to the last day of the final examination period.

CLEP

A maximum of 30 semester units of credit is given for CLEP (College Level Examination Program) with scores at the 50th percentile or higher. Credit is not awarded for English composition. Official results of CLEP exams must be submitted to the Admissions and Records Office. CLEP exams are not offered on campus.

CREDIT FOR CEEB ADVANCED PLACEMENT EXAMINATIONS

College of the Desert grants credit for scores of 3 or higher on the Advanced Placement Examinations of the College Entrance Examination Board (CEEB). Such credit may apply toward requirements for COD degrees and for transfer programs to both the California State University and University of California systems.

High School students who intend to participate in this program should make the necessary arrangements with their high schools. Students should request that their test scores be sent to College of the Desert at the time they take the Advanced Placement Examinations. To apply for credit for advanced placement, students should contact the Admissions and Records Office.

<u>AP Examination</u>	<u># Units Granted</u>	<u>General Education Requirements Area (for CSU)</u>
Art: History of Art	3	C 1
Biology	3	B 2
Chemistry	6	B 1 & B 3
Economics: Macroeconomics	3	D 2
Economics: Microeconomics	3	D 2
English: English Language & Composition	3	A 2
English: English Composition & Literature	6	A 2 & C 2
French: French Language	6	C 2
French: French Literature	6	C 2
German Language	6	C 2
Government & Politics: United States	3	D 8
Government & Politics: Comparative	3	D 8
History: European History	3	D 6
History: United States History	3	D 6
Latin: Virgil	3	C 2
Latin: Latin Literature	3	C 2
Mathematics: Calculus A,B	3	B 4
Mathematics: Calculus B,C	3	B 4
Music Theory	3	C 1
Physics B	6	B 1 & B 3
Physics C (mechanics)	3	B 1 & B 3
Physics C (electricity & magnetism)	3	B 1 & B 3
Psychology	3	D 9
Spanish: Spanish Language	6	C 2
Spanish: Spanish Literature	6	C 2
Statistics	3	B 4

Note: College of the Desert does not have comparable courses for **all** courses listed above.

CREDIT BY ARTICULATION

College of the Desert maintains course articulation agreements in cooperation with high schools and Regional Occupational Programs (ROP) within the college district. Credits by examination or prerequisite course waiver may be earned by high school and ROP students, thereby assisting students in a smooth transition from secondary to postsecondary levels without experiencing delays or duplication of learning. Credit may be granted in the following areas: Mathematics, Business Accounting, Drafting, Health Science, Automotive Technology, Early Childhood Education.

For complete information, contact your high school, ROP, college counselor or articulation officer.

SUPPLEMENTAL MODES OF STUDY

DEPARTMENTAL SEMINARS

Departmental Seminars, designated as Course Number 48 A, B, C (1, 2, & 3 units respectively) may be conducted by any department. They are designed to provide an opportunity for students to work in small groups with one or more instructors. The course provides the students an opportunity to participate and interact with their instructors and colleagues to extend their knowledge and understanding of some particular problem or topic within the general scope of departmental offerings which are not contained in scheduled courses.

The exact nature of the individual assignments depends upon the nature of the study and topic involved, but all seminar students are expected to complete at least one of the following: a project, field study, survey, written report, and/or term paper.

Seminars are an excellent means of recruiting the active and retired personnel resources in the community to work with faculty and students to extend depth, imagination, and applicability to the programs of instruction. A maximum of six seminar units are accepted for the A.A. or A.S. Degree.

INDEPENDENT STUDY PROJECTS (1-3 UNITS)

Available to students carrying six or more units, Independent Study is designed to:

- 1) extend students' knowledge and understanding of subject matter beyond the stated objectives of the course in which they are registered; or
- 2) provide means to earn credit in an academic area where they have exhausted all reasonable course options. In this case, the Independent Study course should be degree or certificate applicable.

Independent Study credit is given on a "lab" value basis (1 unit=54 hours, 2 units=108 hours, 3 units=162 hours) in which students work independently under the direction and guidance of the instructor. A maximum of six units of individual study is accepted toward the A.A. and A.S. Degree.

The appropriate Dean must approve the project before the student registers for the course. It is recommended that Independent Study Projects for 3 units begin prior to the 4th week of the semester; for 2 units, prior to the 7th week; and for 1 unit, prior to the 10th week.

ONLINE COURSES

Courses are offered over the Internet in a variety of discipline areas, as indicated under the specific course listings in the Schedule of Courses provided each semester. Online courses are as transferable as their companion regularly scheduled classes, have the same prerequisites as traditional on-campus courses, and uphold identical standards of academic quality.

Online courses generally follow the traditional eighteen week semester, but the coursework is completed asynchronously via email, electronic bulletin boards, and chatrooms. Students must provide their own computers and Internet Service Providers and be proficient in using a word processing program, email, and the Internet. Individual classes may have additional prerequisites as specified in their online syllabi.

CERTIFICATE, DEGREE, GRADUATION AND TRANSFER REQUIREMENTS

TRANSCRIPTS

An official transcript of a student's record may be obtained from the Admissions Office by written application. Transcripts sent directly from the College to the destination requested by the student are official. Transcripts given to the student are unofficial. A fee will be charged in excess of two transcripts.

GENERAL EDUCATION CERTIFICATION

Verification by the College of a student's completion of lower division General Education/Breadth requirements for the California State University or the University of California must be requested by the student at the time transcripts are requested to be sent to the university.

TRANSFERRED COURSEWORK

All transcripts from other colleges must be on file at the Admissions Office prior to filing a "Request for Evaluation." All lower-division work previously earned at other accredited institutions will be included when computing the cumulative GPA for a degree or certificate from COD.

Courses, units, and grades transferred from other colleges and universities must meet the standards of the Western Association of Schools and Colleges Accrediting Association.

FOREIGN TRANSCRIPT EVALUATIONS

Students entering COD, who have earned university/college credits in foreign countries, and believe the courses are comparable to those offered at the College of the Desert, can obtain information about foreign transcript evaluation and application forms for foreign

transcript/credential evaluation services from the International Student Office or the Transcript Evaluation Technician.

VOCATIONAL CERTIFICATE OF ACHIEVEMENT

A Vocational Certificate of Achievement may be awarded to a student who has completed a required sequence of courses in an occupational field. The Certificate is not automatically awarded when a student completes the requirements. Students must file a "Request for Evaluation" in the Admissions and Records Office at least one semester prior to completing certificate requirements. All transcripts from other colleges must be on file before an evaluation request can be filed.

Students must file an "Intent to Earn Certificate" in the Admissions and Records Office during the semester in which they are completing the requirements. The certificate requires fewer than 60 units of college work. At least six (6) units in the certificate field shall be completed in residence at College of the Desert. A minimum of a "C" average shall be maintained in all courses required for the certificate. All courses shall be approved by the department advisor.

In the case of an additional certificate(s) in a related field, the student will be required to take a minimum of six (6) units of additional course work determined by the department advisor. See *Degree and Certificate Programs* section in this catalog for specific certificate requirements.

CATALOG REQUIREMENTS UNDER WHICH STUDENTS GRADUATE

Students are responsible for meeting in full the requirements for graduation as set forth in the college catalog. For the purpose of meeting graduation requirements, students may choose to meet the

requirements for degrees or certificates in the catalog in effect at the time of entrance, during the span of attendance, or at the time of graduation., provided they do not interrupt their enrollment for two or more consecutive semesters, not including summer.

Whenever enrollment is interrupted for two or more consecutive semesters, not including Summer, students must choose the requirements in the catalog in effect at the time of re-enrollment, continued attendance following re-enrollment, or graduation.

College authorities may authorize or require substitutions for discontinued courses or for courses not offered. College of the Desert requires that students declaring or changing a major program of study must complete the major requirements in effect at the time of the declaration of change. For programs of study requiring special selection procedures, students are required to complete major requirements in effect at the time of entrance to the program.

If students maintain continuous attendance, attendance of at least two transcript recorded semester units during each calendar year, changing a major program of study does not change catalog rights for General Education or other graduation requirements beyond the major. Absence due to an approved educational leave or for attendance at another accredited college is not considered an interruption in attendance, if the absence does not exceed two years.

EVALUATION REQUIREMENT FOR ASSOCIATE DEGREE

The Associate in Arts Degree and Associate in Science Degree are not automatically awarded when a student completes the requirements. Students must file a "Request for Evaluation" in the Admissions and Records Office at least one semester prior to their intended graduation. All transcripts from other colleges must be on file before an evaluation request can be filed. At least 30 total units must have been completed, including 12 at COD, before an evaluation can be initiated.

EARNING AN ADDITIONAL ASSOCIATE DEGREE

An additional Associate Degree may be earned if the student completes a minimum of 12 units in residence at College of the Desert beyond the prior degree, makes a complete change in major, and fulfills all requirements for the new major field including any additional General Education requirements that are appropriate.

GRADUATION

Once it has been determined that a student is eligible for graduation, an "Intent to Graduate" form must be completed and submitted to the Admissions and Records Office. The deadline to submit this form is found in the Class Schedule. This requirement applies to all Associate Degrees.

Formal graduation activities are held at the end of the Spring semester. Students who complete degree requirements during the Spring, preceding Fall, or subsequent Summer term, are invited to participate in the ceremonies.



TWO TYPES OF ASSOCIATE DEGREES AT COLLEGE OF THE DESERT

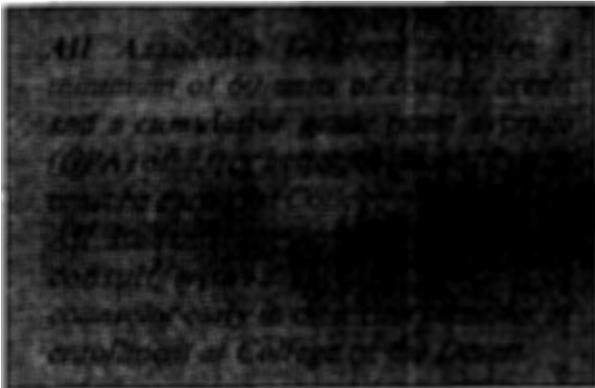
THE ASSOCIATE DEGREE WITH EMPHASIS ON OCCUPATIONAL/VOCATIONAL PREPARATION

Students planning to earn an Associate Degree with emphasis on occupational/vocational preparation, and who have no plans to pursue a bachelor's degree, must follow the requirements listed on pages 59-61.

Students must complete the course requirements as specified in the program of study for the declared major, in addition to the general education courses.

The Occupational/Vocational Degree is not designed to prepare students for university transfer and is identified in this catalog as:

**ASSOCIATE DEGREE
and employment preparation**



THE ASSOCIATE DEGREE WITH EMPHASIS ON PREPARATION TO TRANSFER TO A 4-YEAR COLLEGE OR UNIVERSITY

Students planning to earn an Associate Degree while preparing to transfer must complete the appropriate transfer general education pattern as well as the course requirements specified in the program of study for the declared major.

Option 1: Students preparing to transfer to the California State University (CSU) may follow the General Education requirements outlined in the CSU Certification pattern (pages 62-65) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern on pages 66-69. See your faculty advisor for exceptions.

Option 2: Students preparing to transfer to the University of California (UC) system follow the IGETC on pages 66-69. See your faculty advisor for exceptions.

Option 3 (specified high-unit majors only): Students in these majors must see an advisor for General Education requirements and recommended electives.

The **transfer preparation degree** is identified in this catalog as:

**ASSOCIATE DEGREE
with emphasis on transfer preparation**

ASSOCIATE DEGREE REQUIREMENTS

WITH EMPHASIS ON OCCUPATIONAL/VOCATIONAL PREPARATION

Students may graduate from College of the Desert with an Associate of Arts or Science degree upon meeting the following requirements:

A. Completion of 60 units of lower division semester units with a cumulative grade point average (GPA) of at least 2.0 for all grades earned in lower division courses at all colleges and universities attended. Also, a cumulative GPA of at least 2.0 must have been earned at COD as well as in the selected major. At least 12 units must be earned at COD.

B. Major requirements (Minimum of 18 units): Complete one of the degree programs listed in the Degree and Certificate Programs section of this catalog.

C. Completion of the following general education requirements (18 units minimum):

Note: A single course, even though listed in more than one area, can only be used to satisfy one requirement.

C1. Natural Sciences - (3 units minimum)
selected from the following courses:

ANTH	1	Human Evolution	(3)
A	1	Descriptive Astronomy	(3)
A	1L	Descriptive Astronomy Lab	(1)
AGPS	2	Entomology-Gen/App	(4)
AGPS	5	Plant Science	(3)
AGPS	5L	Plant Science Lab	(1)
BI	1A	Gen Biology, Principles	(5)
BI	1B	Gen Biology, Zoology	(5)
BI	1C	Gen Biology, Botany	(5)
BI	4	Elements of Biology	(3)
BI	4L	Elements of Biology Lab	(1)
BI	10	Women's Health	(3)
BI	15	General Microbiology	(5)
BI	21	Elem Human Anat/Phys	(3)
BI	22	Human Anatomy	(4)
BI	23	Human Physiology	(5)
CH	1A, 1B	General Chemistry	(5)(5)
CH	3	Intro Gen Chemistry	(4)
CH	4	Fund of Chemistry	(4)
G	1	Physical Geology	(3)
G	1L	Physical Geology Lab	(1)

G	2	Historical Geology	(4)
G	4	Geology Lab	(1)
G	5	Environmental Geology	(3)
G	6	Geology of California	(3)
G	7	Intro to Geology	(3)
G	8	Geol of Natl Parks&Mon	(3)
G	10	Earth Science	(3)
G	10L	Earth Science Lab	(1)
GEOG	1	Physical Geography	(3)
GEOG	1L	Physical Geography Lab	(1)
NR	1	Cons Natural Resources	(3)
NR	1L	Cons Natr Resourc Lab	(1)
OH	1	Ornamental Horticulture	(3)
OH	1L	Ornamental Horticulture Lab	(1)
PH	1	How Things Work	(4)
PH	2A,2B	College Physics	(4)(4)
PH	4A,4B	Engineering Physics	(5)(5)

C2. Social and Behavioral Sciences

(3 units minimum) selected from the following:

AGBU	3	International Agriculture	(3)
ANTH	2	Cultural Anthropology	(3)
ANTH	3	Intro to Archeology	(3)
ECON	1	Prin of Macroeconomics	(3)
ECON	2	Prin of Microeconomics	(3)
ECON	11	Internat'l Econ Relations	(3)
ECON	12	Economic Princ. & Appl.	(3)
GEOG	2	Cultural Geography	(3)
GEOG	7	Regional Geography	(3)
HE	1	Pers & Commun Health	(3)
HIST	3	Hist World Civilization I	(3)
HIST	4	Hist World Civilization II	(3)
HIST	17	U.S. History	(3)
HIST	18	U.S. History	(3)
MC	1	Mass Media/Amer Cult.	(3)
PHIL	13	Perspectives Death/Dying	(3)
PS	1	Intro to Government	(3)
PS	2	Intro Comparative Govt	(3)
PS	4	Intro Internat'l Rel	(3)
PSY	1	General Psychology	(3)
PSY	3	Developmental Psych	(3)
PSY	10	Psy Aspects Marr/Family	(3)
PSY	20	Adolescent Psychology	(3)
PSY	23	Psychology of Women	(3)
PSY	33	Personal/Soc Adjustment	(3)
SOC	1	Intro to Sociology	(3)
SOC	2	Social Problems	(3)
SOC	10	Marr/Fam Soc Approach	(3)
SOC	14	Minority Grps in Amer	(3)

C3. Humanities - (3 units minimum)

selected from the following courses:

ART	2A,B	History of Art	(3)(3)
ART	2C	Hist. of Modern Art	(3)
ART	2D	Hist. of Postmodern Art	(3)
ART	3A	Basic Design & Color	(3)
ART	10	Intro to Art	(3)
ART	33	History of Photography	(3)
ASL	1A,B	Elem Amer Sign Lang	(3)(3)
ENG	1B	Comp & Literature	(3)
ENG	10A	American Literature I	(3)
ENG	10B	American Literature II	(3)
ENG	11A,B	Surv of English Lit	(3)(3)
ENG	12A	World Literature I	(3)
ENG	12B	World Literature II	(3)
ENG	14	Shakespeare	(3)
ENG	15	The Short Story	(3)
ENG	16	Literature of the Desert	(3)
ENG	17	Women in Literature	(3)
ENG	18	Introduction to Poetry	(3)
ENG	21	Intro Latin Amer/Chicano Literature	(3)
ENG	22	Intro African-Amer Lit	(3)
ENG	25	Intro to the Novel	(3)
ENG	31	Bible as Literature O.T.	(3)
ENG	32	Bible as Literature N.T.	(3)
ENG	35	Myth and Legend	(3)
FR	1,2	Elementary French	(5)(5)
FR	1A, 1B	Elementary French	(3)(3)
FR	2A, 2B	Elementary French	(3)(3)
FR	3,4	Intermediate French	(4)(4)
FR	8 A,B	French Conversation	(3)(3)
FR	40A,B	French Civilization	(3)
GER	1,2	Elementary German	(5)(5)
GER	1A,B	Elementary German	(3)(3)
GER	2A,B	Elementary German	(3)(3)
GER	40A,B	German Civilization	(3)
HUM	5A	Humanity & Natrl Environ	(3)
HUM	5B	Humanity & Soc/Cultrl Env	(3)
HUM	8	Music of Multicul Amer	(3)
HUM	18	Intro to Art & Music	(3)
ITAL	1,2	Elementary Italian	(5)(5)
ITAL	1A,B	Elementary Italian	(3)(3)
ITAL	2A,B	Elementary Italian	(3)(3)
ITAL	3,4	Intermed. Italian	(4)(4)
ITAL	40A,B	Survey of Italian Civ.	(3)(3)
JPN	1A,B	Elementary Japanese	(3)(3)
JPN	2A,B	Elementary Japanese	(3)(3)
MUS	1A-D	Musicianship	(3-3-3-3)
MUS	2A-D	Harmony	(3-3-3-3)
MUS	8	Music of Multicul Amer	(3)
MUS	10	Intro to Music	(3)
MUS	12	Fundamentals of Music	(3)
MUS	15	Intro to Music Theory	(2)
MUS	36A-D	Opera Workshop	(2-2-2-2)
PHIL	6	Intro to Philosophy	(3)
PHIL	7	Intro to Philosophy	(3)
PHIL	8	Phil. Ancien-Renaiss	(3)
PHIL	9	Phil. Renaissance-Presnt	(3)
PHIL	12	Religions of the World	(3)
PHIL	13	Perspect Death/Dying	(3)
PHIL	14	Intro to Ethics	(3)
RUS	1A,B	Elementary Russian	(3)(3)
RUS	2A,B	Elementary Russian	(3)(3)
SPAN	1, 2	Elementary Spanish	(5)(5)
SPAN	1A,B	Elementary Spanish	(3)(3)
SPAN	2A,B	Elementary Spanish	(3)(3)
SPAN	3, 4	Intermed. Spanish	(4)(4)
SPAN	5, 6	Advanced Spanish	(3)(3)
SPAN	8A,B	Spanish Conversation	(3)(3)
SPAN	40A,B	Spanish Civilization	(3)
TA	1	Intro to Theatre	(3)
TA	2 A,B	Acting	(3)(3)
TA	8A	Theatre Graphics	(3)
TA	10A	Stagecraft II	(3)
TA	32A-D	Play Production Tech	(3-3-3-3)
TA	69A,B	Dramatic Literature	(3)(3)

C4. Language and Rationality - (6 units)

a) English Composition (3 units minimum):

ENG	1A	Composition	(4)
ENG	3A	Freshman Composition I	(3)

b) Communication, Mathematics, and Critical Thinking (3 units minimum):

CS	81	QBASIC Programming	(3)
HUM	1	Critical Analysis	(3)
MATH	1A,1B	Calculus	(5)(5)
MATH	5	Trigonometry	(3)
MATH	10	College Algebra	(4)
MATH	12	Pre-calc Analysis	(5)
MATH	13	Liberal Arts Math	(4)
MATH	14	Statistical Methods	(4)
MATH	40	Intermediate Algebra	(4)
PHIL	10	General Logic	(3)
PHIL	11	Symbolic Logic	(3)
PHIL	15	Logic/Critical Analysis	(3)
SOC	3	Fund. of Statistics	(3)
SOC	4	Soc/Critical Thinking	(3)
SP	1	Intro to Human Comm	(3)
SP	4	Public Speaking	(3)
SP	5	Group Discussion Process	(3)
SP	7	Decision Mknng/Advoc	(3)
SP	15	Intercultural Comm	(3)

C5. Traditions and Cultures (3 units minimum):

AGBU	3	International Agriculture	(3)
AJ	5A	Multicul Issues/Pub Safety	(3)
ASL	1A,B	Elem Amer Sign Lang	(3)(3)
ANTH	1	Human Evolution	(3)
ANTH	2	Cultural Anthropology	(3)
ARCH	14	History of Architecture I	(3)
ART	2A,B	History of Art	(3)(3)
ART	10	Intro to Art	(3)
ART	18A-D	Papermaking	(3-3-3-3)
ECON	11	Internat'l Econ Relations	(3)
ENG	1B	Comp & Literature	(3)
ENG	1C	Critical Thinking & Comp	(3)
ENG	10A,B	American Lit I & II	(3)(3)
ENG	11A,B	Survey of English Lit	(3)(3)
ENG	12A,B	World Literature I & II	(3)(3)
ENG	15	The Short Story	(3)
ENG	18	Intro to Poetry	(3)
ENG	21	Intro to Latin American/ Chicano Literature	(3)
ENG	22	Intro to African American Literature	(3)
ENG	31	The Bible as Literature O.T.	(3)
ENG	32	The Bible as Literature N.T.	(3)
ENG	35	Myth & Legend	(3)
GEOG	2	Cultural Geography	(3)
HE	1	Pers & Comm Health	(3)
HIST	3	Hist of World Civilization I	(3)
HIST	4	Hist of World Civilization II	(3)
HUM	5A	Humanity & Natrl Environ	(3)
HUM	5B	Hum & Soc/Cultrl Environ	(3)
MC	1	Mass Media/Amer Culture	(3)
PHIL	6, 7	Intro to Philosophy	(3)(3)
PHIL	12	Religions of the World	(3)
PHIL	13	Perspect on Death&Dying	(3)
PHIL	14	Intro to Ethics	(3)
PS	4	Intro to Internat'l Relations	(3)
PSY	1	General Psychology	(3)
PSY	10	Psychological Aspects of Marriage & Family	(3)
PSY	12	Human Sexuality	(3)
PSY	23	Psychology of Women	(3)
SOC	1	Intro to Sociology	(3)
SOC	2	Social Problems	(3)
SOC	4	Sociological Analysis & Critical Thinking	(3)
SOC	10	Marriage & Family: Sociological Approach	(3)
SOC	14	Minority Grps in America	(3)
SP	1	Intro to Human Communication	(3)
SP	2	Oral Communication	(3)
SP	15	Intercultural Communication	(3)

and all Foreign Language courses

D. Physical Education Activity Requirement:

In addition to A, B & C, two courses are required from physical education (PE), health education (HE), recreation (RE) or varsity sports (VSM, VSW).

Note: If HE 1 is used to fulfill section C-2, it may not be used to fulfill this requirement.

E. Reading, Writing and Mathematics competency requirements must be met, as follows:

Reading Competency: All students earning an Associate in Arts Degree or an Associate in Science Degree must demonstrate a reading proficiency at the collegiate level by passing RDG 51, Analytical Reading, with a grade of "C" or better, or the equivalent.

Writing Competency: All students earning an Associate in Arts Degree or an Associate in Science Degree must demonstrate a writing proficiency at the collegiate level by passing with a grade of "C" or better one of the following courses: ENG 1A, ENG 3A, or the equivalent.

Mathematics Competency: All students earning an Associate in Arts Degree or an Associate in Science Degree must demonstrate a mathematics proficiency at the collegiate level by passing with a grade of "C" or better, MATH 40, or any college mathematics course determined by the Desert Community College District to be equivalent to or higher than MATH 40.

**CONSULT DEGREE AND CERTIFICATE
PROGRAMS FOR SPECIFIC DEGREE
REQUIREMENTS -- INCLUDING
MAJOR REQUIREMENTS AND
GENERAL EDUCATION COURSES.
PLEASE ALSO CHECK
WITH YOUR FACULTY ADVISOR
FOR POSSIBLE CHANGES
IN AA/AS DEGREE REQUIREMENTS.**

REQUIREMENTS FOR THE ASSOCIATE DEGREE WITH EMPHASIS ON TRANSFER PREPARATION

Students who plan to transfer may graduate from College of the Desert with an Associate of Arts or Science degree by completion of a minimum of 60 units of lower division, transferable semester units with a cumulative grade point average (GPA) of at least 2.0 for all grades earned in lower division courses at all colleges and universities attended. Also, a cumulative GPA of at least 2.0 must have been earned at COD as well as in the selected major. At least 12 units must be earned at COD.

Students must complete *either* the CSU General Education Certification Course Pattern (this page) *or* the IGETC (page 66), *and* the major requirements as specified in the program of study for the declared major. At least 12 units must be earned at College of the Desert. Degrees are listed by major on pages 72-73.

Students planning to transfer should consult with their Faculty Advisor early in their first semester of enrollment. Faculty Advisors will assist students with program planning and course options.

Students seeking the transfer degree must meet the competency requirements in Reading, English, and Math and complete two semesters of Physical Education activities or courses.

Review all requirements that pertain to you on pages 56-57, including *requesting a degree evaluation and filing an Intent to Graduate*.

CALIFORNIA STATE UNIVERSITY GOVERNMENT/HISTORY CERTIFICATION

College of the Desert, pursuant to Section 40404 of Title 5 of the California Administrative Code and in accordance with Executive Order 405 from the Office of the Chancellor, California State University (effective date 11/15/82), certifies the following course/examination combinations as meeting the baccalaureate

requirements in U.S. History, Constitution and American Ideals at CSU, except that no student may meet the requirement by examinations alone. It is important to note that certification may take place if and only if an entire history/government combination has been completed. (Requirements at CSU institutions may vary; consult your Faculty Advisor.)

A student may fulfill the history/government requirement by completing Political Science I (PS 1) *and either* History 17 (HIST 17) *or* History 18 (HIST 18).

CALIFORNIA STATE UNIVERSITY GENERAL EDUCATION CERTIFICATION COURSE PATTERN

Students who plan to transfer to a CSU campus must complete a minimum of 48 semester units of general education to graduate with a bachelor's degree. College of the Desert may certify 39 lower division (freshman-sophomore) units. The additional 9 required units must be upper division and completed after transfer to the university. Students may follow the CSU General Education Certification pattern listed on the following two pages, which is accepted by all CSU campuses in most majors to fulfill these requirements.

To be fully certified, students must complete a minimum of 9 units each in Areas A, B, C, and D, and three units in Area E. At least 30 of these units must be completed with a grade of "C" or better, including the nine units in Area A: Communication in the English Language; and 3 units in Area B-3: Mathematics. These requirements are effective Fall 2000.

General Education Certification is not automatic and must be requested by the student at the same time transcripts are requested to be sent to the California State University following the posting of final grades.

**APPLICABLE COLLEGE
OF THE DESERT COURSES**

Note: A single course, even though listed in more than one area, can only be used to satisfy one requirement.

A. COMMUNICATION in the ENGLISH LANGUAGE and CRITICAL THINKING
Nine (9) units minimum; select 1 course from each of the 3 groups.

A-1. SPEECH (C or better required)

SP	1	Intro to Human Comm	(3)
SP	4	Public Speaking	(3)
SP	5	Group Discussion Process	(3)
SP	15	Intercultural Comm	(3)

A-2. WRITING (C or better required)

ENG	1A	Composition	(4)
ENG	1C	Critical Thinking & Comp	(3)
ENG	3A	Freshman Composition I	(3)

A-3. CRITICAL THINKING (C or better required)

HUM	1	Critical Analysis	(3)
PHIL	10	General Logic	(3)
PHIL	11	Symbolic Logic	(3)
PHIL	15	Logic, Argu, Crit Anal	(3)
SOC	4	Soc Anal/Crit Thinking	(3)
SP	7	Decision Mking/Advoc	(3)

B. SCIENCE and MATHEMATICS

Nine (9) units minimum; select one course from each group. One course must include laboratory.

B-1. PHYSICAL SCIENCES

A	1	Descriptive Astronomy	(3)
A	1L	Desc Astronomy Lab	(1)
CH	1A, 1B	General Chemistry	(5)(5)
CH	3	Intro Gen Chemistry	(4)
CH	4	Fund of Chemistry	(4)
CH	5	Bio-Organic Chemistry	(3)
G	1	Physical Geology	(3)
G	1L	Physical Geology Lab	(1)
G	2	Historical Geology	(4)
G	5	Environmental Geology	(3)
G	5L	Environ Geol Lab	(1)
G	7	Intro to Geology	(4)
G	8	Geol of Natl Parks/Monu	(3)
G	10	Earth Science	(3)
G	10L	Earth Science Lab	(1)
GEOG	1	Physical Geography	(3)
GEOG	1L	Physical Geography Lab	(1)

PH	1	How Things Work	(4)
PH	2A,2B	College Physics	(4)(4)
PH	4A,4B	Engineering Physics	(5)(5)

B-2. BIOLOGICAL SCIENCES

AGPS	2	Entomology-Gen/App	(4)
AGPS	5	Plant Science	(3)
AGPS	5L	Plant Science Lab	(1)
ANTH	1	Human Evolution	(3)
BI	1A	Gen Biology, Principles	(5)
BI	1B	Gen Biology, Zoology	(5)
BI	1C	Gen Biology, Botany	(5)
BI	4	Elements of Biology	(3)
BI	4L	Elements of Biology Lab	(1)
BI	15	General Microbiology	(5)
BI	21	Elem Human Anat/Phys	(3)
BI	21L	Elem Hum A/P Lab	(1)
BI	22	Human Anatomy	(4)
BI	23	Human Physiology	(5)
NR	1	Cons Natural Resources	(3)
NR	1L	Cons Natr Resourc Lab	(1)
OH	1	Horticulture	(3)
OH	1L	Horticulture Lab	(1)

B-3. MATHEMATICS (C or better required)

MATH	1A,1B	Calculus	(5)(5)
MATH	5	Trigonometry	(3)
MATH	10	College Algebra	(4)
MATH	12	Pre-calc Analysis	(5)
MATH	13	Liberal Arts Math	(4)
MATH	14	Statistical Methods	(4)
SOC	3	Fund Statistical Sci.	(3)

C. ARTS and HUMANITIES

Nine (9) units minimum; one course must be in the ARTS and one in the HUMANITIES

C-1. ARTS (Art, Dance, Music, Theatre)

ARCH	14	History of Architecture	(3)
ART	2A,B	History of Art	(3)(3)
ART	2C	Hist of Modern Art	(3)
ART	2D	Hist of Postmodern Art	(3)
ART	3A	Basic Design /Color	(3)
ART	10	Intro to Art	(3)
HUM	8	Music of Multicultural Amer	(3)
HUM	18	Intro to Art & Music	(3)
MUS	8	Music of Multicultural Amer	(3)
MUS	10	Intro to Music	(3)
MUS	12	Fundamentals of Music	(3)
MUS	14 A-D	Survey of Opera	(2-2-2-2)
PE	15	Intro to Choreography	(2)
TA	1	Intro to Theatre	(3)
TA	2 A,B	Acting	(3)(3)
TA	8A,B	Theatre Graphics	(3)(3)

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C-2. HUMANITIES (Literature, Philosophy, Foreign Language)

ASL	1A,B	Elem Amer Sign Lang	(3)(3)
ENG	1B	Comp & Literature	(3)
ENG	10A,B	American Literature	(3)(3)
ENG	11A,B	Surv of English Lit	(3)(3)
ENG	12A	World Literature I	(3)
ENG	12B	World Literature II	(3)
ENG	14	Shakespeare	(3)
ENG	15	The Short Story	(3)
ENG	16	Literature of the Desert	(3)
ENG	17	Women in Literature	(3)
ENG	18	Introduction to Poetry	(3)
ENG	21	Intro Latin Amer/Chicano Literature	(3)
ENG	22	Intro African-American Literature	(3)
ENG	25	Intro to the Novel	(3)
ENG	31	Bible as Literature O.T.	(3)
ENG	32	Bible as Literature N.T.	(3)
ENG	35	Myth and Legend	(3)
HUM	5A*	Humanity & Natrl Environ	(3)
HUM	5B*	Hum & Soc/Cultrl Environ	(3)
MUS	10	Intro to Music	(3)
PHIL	6	Intro to Philosophy	(3)
PHIL	7	Intro to Philosophy	(3)
PHIL	8	Phil. Ancien-Renaiss	(3)
PHIL	9	Phil. Renaissance-Presnt	(3)
PHIL	12	Religions of the World	(3)
PHIL	13	Perspect Death/Dying	(3)
PHIL	14	Intro to Ethics	(3)
FR	1, 2	Elementary French	(5)(5)
FR	1A, 1B	Elementary French	(3)(3)
FR	2A, 2B	Elementary French	(3)(3)
FR	3,4	Intermediate French	(4)(4)
FR	8 A,B	French Conversation	(3)(3)
FR	40A,B	French Civilization	(3)(3)
GER	1,2	Elementary German	(5)(5)
GER	1A,B	Elementary German	(3)(3)
GER	2A,B	Elementary German	(3)(3)
GER	40A,B	German Civilization	(3)(3)
ITAL	1,2	Elementary Italian	(5)(5)
ITAL	1A,B	Elementary Italian	(3)(3)
ITAL	2A,B	Elementary Italian	(3)(3)
ITAL	3, 4	Intermed. Italian	(4)(4)
ITAL	40A,B	Survey of Italian Civ.	(3)(3)
JPN	1A,B	Elementary Japanese	(3)(3)
JPN	2A,B	Elementary Japanese	(3)(3)
RUS	1A,B	Elementary Russian	(3)(3)
SPAN	1, 2	Elementary Spanish	(5)(5)
SPAN	1A,B	Elementary Spanish	(3)(3)
SPAN	2A,B	Elementary Spanish	(3)(3)
SPAN	3, 4	Intermed. Spanish	(4)(4)
SPAN	5, 6	Advanced Spanish	(3)(3)

SPAN	8A,B	Spanish Conversation	(3)(3)
SPAN	10, 11	Span/Bilingual Student	(3)(3)
SPAN	40A,B	Spanish Civilization	(3)(3)
TA	69A,B	Dramatic Literature	(3)(3)

D. HISTORY and SOCIAL SCIENCES

Nine (9) units minimum, with courses taken in at least two disciplines.

Note: The "American Institutions" requirement may be satisfied by taking *either* HIST 17 or 18, *plus* PS 1 (Intro Government).

D-1. ANTHROPOLOGY and ARCHEOLOGY

ANTH	2	Cultural Anthropology	(3)
ANTH	3	Intro to Archeology	(3)

D-2. ECONOMICS

ECON	1	Prin of Macroeconomics	(3)
ECON	2	Prin of Microeconomics	(3)
ECON	11	Internat'l Econ Relations	(3)
ECON	12	Undr Econ Prin &Appl	(3)

D-3. ETHNIC STUDIES

SOC	14	Minority Grps in Amer	(3)
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D-4. GENDER STUDIES

PSY	10	Psy Aspects Marr/Fam	(3)
PSY	12	Human Sexuality	(3)
PSY	23	Psychology of Women	(3)
SOC	10	Marr/Fam-Soc Approach	(3)

D-5. GEOGRAPHY

GEOG	2	Cultural Geography	(3)
GEOG	7	Regional Geography	(3)
GEOG	10	Geography of California	(3)

D-6. HISTORY

HIST	3	Hist World Civilization I	(3)
HIST	4	Hist World Civilization II	(3)
HIST	17	U.S. History	(3)
HIST	18	U.S. History	(3)

D-7. INTERDISCIPLINARY SOCIAL OR BEHAVIORAL SCIENCE

MC	1	Mass Media/Amer Cult	(3)
SP	15	Intercultural Commun	(3)

**D-8. POLITICAL SCIENCE,
GOVERNMENT, & LEGAL INSTITUTIONS**

PS	1	Intro to Government	(3)
PS	2	Intro Comparative Govt	(3)
PS	4	Intro Internat'l Rel	(3)

D-9. PSYCHOLOGY

PSY	1	General Psychology	(3)
PSY	3	Developmental Psych	(3)
PSY	20	Adolescent Psychology	(3)
PSY	23	Psychology of Women	(3)
PSY	33	Personal/Soc Adjustment	(3)

D-10. SOCIOLOGY & CRIMINOLOGY

SOC	1	Intro to Sociology	(3)
SOC	2	Social Problems	(3)
SOC	14	Minority Grps in Amer	(3)
AJ	1	Intro Admin of Justice	(3)

**E. LIFELONG UNDERSTANDING
and SELF DEVELOPMENT**

Three (3) units minimum; select one:

HE	1	Personal/Comm Health	(3)
HEC	13	General Nutrition	(3)
HUM	5A*	Humanity & Natrl Environ	(3)
HUM	5B*	Hum & Soc/Cultrl Environ	(3)
PHIL	13	Perspectives Death/Dying	(3)
PSY	3	Developmental Psych	(3)
PSY	10	Psy Aspects Marr Family	(3)
PSY	12	Human Sexuality	(3)
PSY	20	Adolescent Psychology	(3)
PSY	23	Psychology of Women	(3)
PSY	33	Personal/Soc Adjustment	(3)
SOC	10	Marr/Fam Soc Approach	(3)

*Students completing HUM 5A or B may receive credit in Area E only. Students who complete both courses may receive credit in Area C-2 for the second course only.

F. COD Physical Education Requirement

Although *not* required for transfer to CSU, two courses from physical education (PE), health education (HE), recreation (RE) or varsity sports (VSM,VSW) are required to earn a degree from COD.

Note: If HE 1 is used to fulfill section E, it may not be used to fulfill this requirement.

G. COD Degree Competency Requirements

Also required for a degree at COD are the Reading, Writing and Mathematics competencies, as follows:

Reading Competency: All students earning an Associate in Arts Degree or an Associate in Science Degree must demonstrate a reading proficiency at the collegiate level by passing RDG 51, Analytical Reading, with a grade of "C" or better, or the equivalent.

Writing Competency: All students earning an Associate in Arts Degree or an Associate in Science Degree must demonstrate a writing proficiency at the collegiate level by passing with a grade of "C" or better one of the following courses: ENG 1A, ENG 3A, or the equivalent.

Mathematics Competency: All students earning an Associate in Arts Degree or an Associate in Science Degree must demonstrate a mathematics proficiency at the collegiate level by passing with a grade of "C" or better, MATH 40, or any college mathematics course determined by the Desert Community College District to be equivalent to or higher than MATH 40.

IGETC - INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM FOR UC AND CSU

Completion of all the requirements in the Intersegmental General Education Transfer Curriculum (IGETC) will permit you to transfer from College of the Desert to a campus in either the California State University (CSU) or University of California (UC) without the need, after transfer, to take additional lower-division, general education courses to satisfy campus general education requirements. **Exceptions are at the end of the list in the Supplementary Notes.** Completion of IGETC is not a requirement for admission but does fulfill a requirement for graduation at a CSU or UC campus.

The course requirements for all areas must be completed before IGETC can be certified. After final grades are posted, you must request IGETC Certification at the time you request final transcripts to be sent to your chosen transfer campus(es). **The IGETC must be certified prior to transfer. All courses must be completed with grades of "C" or better.**

Completion of the IGETC is not a requirement for transfer to a CSU or UC, nor is it the only way to fulfill the lower-division, general education requirements of the CSU or UC prior to transfer. Students may find it advantageous to take courses fulfilling CSU's general education requirements or those of a particular UC campus.

Note: An "*" indicates that transfer credit may be limited by either UC or CSU or both. Consult the *University of California Transfer Course Agreement*, available in the Transfer Center for specific information.

Note: A single course, even though listed in more than one area, can only be used to satisfy one requirement.

AREA 1

COMMUNICATION IN THE ENGLISH LANGUAGE AND CRITICAL THINKING

ONE COURSE FROM EACH GROUP:

WRITING

ENG	1A	Composition	(4)
ENG	3A	Freshman Composition I	(3)

CRITICAL THINKING

SOC	4	Soc. Anal/Crit. Thinking	(3)
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SPEECH (REQUIRED BY CSU ONLY)

SP	1	Intro to Human Comm	(3)
<i>Note: SP 1 does not transfer to UC</i>			
SP	4	Public Speaking	(3)
SP	15	Intercultural Comm	(3)

AREA 2

MATHEMATICAL CONCEPTS & QUANTITATIVE REASONING

ONE COURSE:

MATHEMATICS

MATH	1A*	Calculus	(5)
MATH	10*	College Algebra	(4)
MATH	12*	Pre-calc Analysis	(5)
MATH	14*	Statistical Methods	(4)
SOC	3	Fund of Statistics	(3)

AREA 3

ARTS AND HUMANITIES

AT LEAST THREE COURSES; MINIMUM OF ONE
FROM THE ARTS AND ONE FROM THE HUMANITIES
(SEE "LANGUAGE OTHER THAN ENGLISH" PAGE 68)

ARTS (ART, MUSIC)

ART	2A,B	History of Art	(3)(3)
ART	2C	Hist. of Modern Art	(3)
ART	10	Intro to Art	(3)
HUM	8	Mus of Multicul Amer	(3)
HUM	18	Intro to Art & Music	(3)
MUS	8	Mus of Multicultural Amer	(3)
MUS	10	Intro to Music	(3)
MUS	12	Fundamentals of Music	(3)

HUMANITIES

(LITERATURE, HISTORY, PHILOSOPHY,
FOREIGN LANGUAGE, THEATRE)

ENG	1B	Comp & Literature	(3)
ENG	10A,B	American Literature I,II	(3)(3)
ENG	11A,B	Surv of English Lit	(3)(3)
ENG	12A	World Literature I	(3)
ENG	12B	World Literature II	(3)
ENG	14	Shakespeare	(3)
ENG	15	The Short Story	(3)
ENG	16	Literature of the Desert	(3)
ENG	17	Women in Literatue	(3)
ENG	18	Introduction to Poetry	(3)
ENG	21	Intro Latin Amer/Chicano Literature	(3)
ENG	22	Intro African-American Literature	(3)
ENG	31	Bible as Literature O.T.	(3)
ENG	32	Bible as Literature N.T.	(3)
ENG	35	Myth and Legend	(3)
HIST	3	Hist World Civilization I	(3)
HIST	4	Hist World Civilization II	(3)
HIST	17*(7)	U.S. History	(3)
HIST	18*(7)	U.S. History	(3)
HUM	5A	Humanity & Natural Envir	(3)
HUM	5B	Humanity & Soc/Cultural Env	(3)
PHIL	6	Intro to Philosophy	(3)
PHIL	7	Intro to Philosophy	(3)
PHIL	8	Phil. Ancien-Renaiss	(3)
PHIL	9	Phil. Renaissance-Presnt	(3)
PHIL	12	Religions of the World	(3)
PHIL	13	Perspect Death/Dying	(3)
PHIL	14	Intro to Ethics	(3)
FR	2	Elementary French	(5)
FR	2A*,B*	Elementary French	(3)(3)
FR	3,4	Intermediate French	(4)(4)
FR	40A,B	French Civilization	(3)(3)
GER	2	Elementary German	(5)(5)
GER	2A*,B*	Elementary German	(3)(3)
GER	40A,B	German Civilization	(3)(3)
ITAL	2	Elementary Italian	(5)(5)
ITAL	2A*,B*	Elementary Italian	(3)(3)
ITAL	3, 4	Intermed. Italian	(4)(4)
ITAL	40A,B	Survey of Italian Civ.	(3)(3)
JPN	2A*,B*	Elementary Japanese	(3)(3)
RUS	2A*,B*	Elementary Russian	(3)(3)
SPAN	2	Elementary Spanish	(5)(5)
SPAN	2A,B	Elementary Spanish	(3)(3)
SPAN	3, 4	Intermed. Spanish	(4)(4)
SPAN	5, 6	Advanced Spanish	(3)(3)
SPAN	40A,B	Spanish Civilization	(3)(3)
TA	1	Introduction to Theatre	(3)
TA	69A,B	Dramatic Literature	(3)(3)

AREA 4

HISTORY AND SOCIAL SCIENCES

AT LEAST 3 COURSES, FROM AT LEAST TWO
DISCIPLINES, OR AN INTERDISCIPLINARY
SEQUENCE:

ANTHROPOLOGY AND ARCHEOLOGY

ANTH	2	Cultural Anthropology	(3)
ANTH	3	Intro to Archeology	(3)

ECONOMICS

ECON	1	Prin of Macroeconomics	(3)
ECON	2	Prin of Microeconomics	(3)
ECON	11	Internat'l Econ Relations	(3)

GEOGRAPHY

GEOG	2	Cultural Geography	(3)
GEOG	7	Regional Geography	(3)
GEOG	10	Geography of California	(3)

HISTORY

HIST	3	Hist World Civilization I	(3)
HIST	4	Hist World Civilization II	(3)
HIST	17*(7)	U.S. History	(3)
HIST	18*(7)	U.S. History	(3)

INTERDISCIPLINARY SOCIAL OR
BEHAVIORAL SCIENCE

MC	1	Mass Media/Amer Cult	(3)
PHIL	12	Religions of the World	(3)

POLITICAL SCIENCE, GOVERNMENT,
LEGAL INSTITUTIONS

PS	1*(7)	Intro to Government	(3)
PS	2	Intro Comparative Govt	(3)
PS	4	Intro Internat'l Rel	(3)

PSYCHOLOGY

PSY	1	General Psychology	(3)
PSY	3	Developmental Psychology	(3)
PSY	23	Psychology of Women	(3)

SOCIOLOGY

SOC	1	Intro to Sociology	(3)
SOC	2	Social Problems	(3)
SOC	14	Minority Grps in Amer	(3)

AREA 5

PHYSICAL & BIOLOGICAL SCIENCE
 AT LEAST 2 COURSES, ONE PHYSICAL
 SCIENCE AND ONE BIOLOGICAL SCIENCE
 COURSE; AT LEAST ONE MUST INCLUDE A
 LABORATORY:

PHYSICAL SCIENCES

A	1	Descriptive Astronomy	(3)
A	1L	Desc. Astronomy Lab	(1)
CH	1A, 1B	General Chemistry	(5)(5)
CH	3*	Intro Gen Chemistry	(4)
G	1	Physical Geology	(3)
G	1L	Physical Geology Lab	(1)
G	5	Environmental Geology	(3)
G	5L	Environ. Geol. Lab	(1)
G	6	Geology of California	(3)
G	7	Intro to Geology	(4)
G	10	Earth Science	(3)
G	10L	Earth Science Lab	(1)
GEOG	1	Physical Geography	(3)
GEOG	1L	Physical Geography Lab	(1)
PH	1*	How Things Work	(4)
PH	2A*,2B*	College Physics	(4)(4)
PH	4A*,4B*	Engineering Physics	(5)(5)

BIOLOGICAL SCIENCES

AGPS	2	Entomology-Gen/App	(4)
AGPS	5	Plant Science	(3)
AGPS	5L	Plant Science Lab	(1)
ANTH	1	Human Evolution	(3)
BI	1A	Gen Biology, Principles	(5)
BI	1B	Gen Biology, Zoology	(5)
BI	1C	Gen Biology, Botany	(5)
BI	4*	Elements of Biology	(3)
BI	4L*	Elements of Biology Lab	(1)
BI	22*	Human Anatomy	(4)
NR	1	Cons Natural Resources	(3)
NR	1L	Cons Natrl Resources Lab	(1)

* Indicates that transfer credit may be limited by either UC or CSU or both. Please consult with a counselor for additional information.

AREA 6

(UC REQUIREMENT ONLY)

LANGUAGE OTHER THAN ENGLISH

Students must complete two years of the same foreign language of high school work with a grade of "C" or better;

or earn a score of 3 or higher on the Foreign Language Advanced Placement test, or 550 on the College Board Achievement Test in Foreign Language;

or complete 4-5 units from the following college courses which meet the proficiency level (courses above proficiency level may also be used to meet this requirement):

ASL	1A*,B*	Elem Amer Sign Lang	(3) (3)
FR	1	Elementary French	(5)
FR	1A*,B*	Elementary French	(3) (3)
GER	1	Elementary German	(5)
GER	1A*,B*	Elementary German	(3) (3)
ITAL	1	Elementary Italian	(5)
ITAL	1A*,B*	Elementary Italian	(3) (3)
JPN	1A*,B*	Elementary Japanese	(3) (3)
RUS	1A*,B*	Elementary Russian	(3) (3)
SPAN	1	Elementary Spanish	(5)
SPAN	1A*,B*	Elementary Spanish	(3) (3)

AREA 7-COD REQUIREMENT
PHYSICAL EDUCATION

Although not required for the IGETC curriculum, two courses from physical education (PE), health education (HE), recreation (RE) or varsity sports (VSM, VSW) are required to earn a degree from COD.

AREA 8 - COD REQUIREMENT
**READING, WRITING &
 MATHEMATICS COMPETENCIES**

ARE ALSO REQUIRED FOR
 A DEGREE FROM COD:

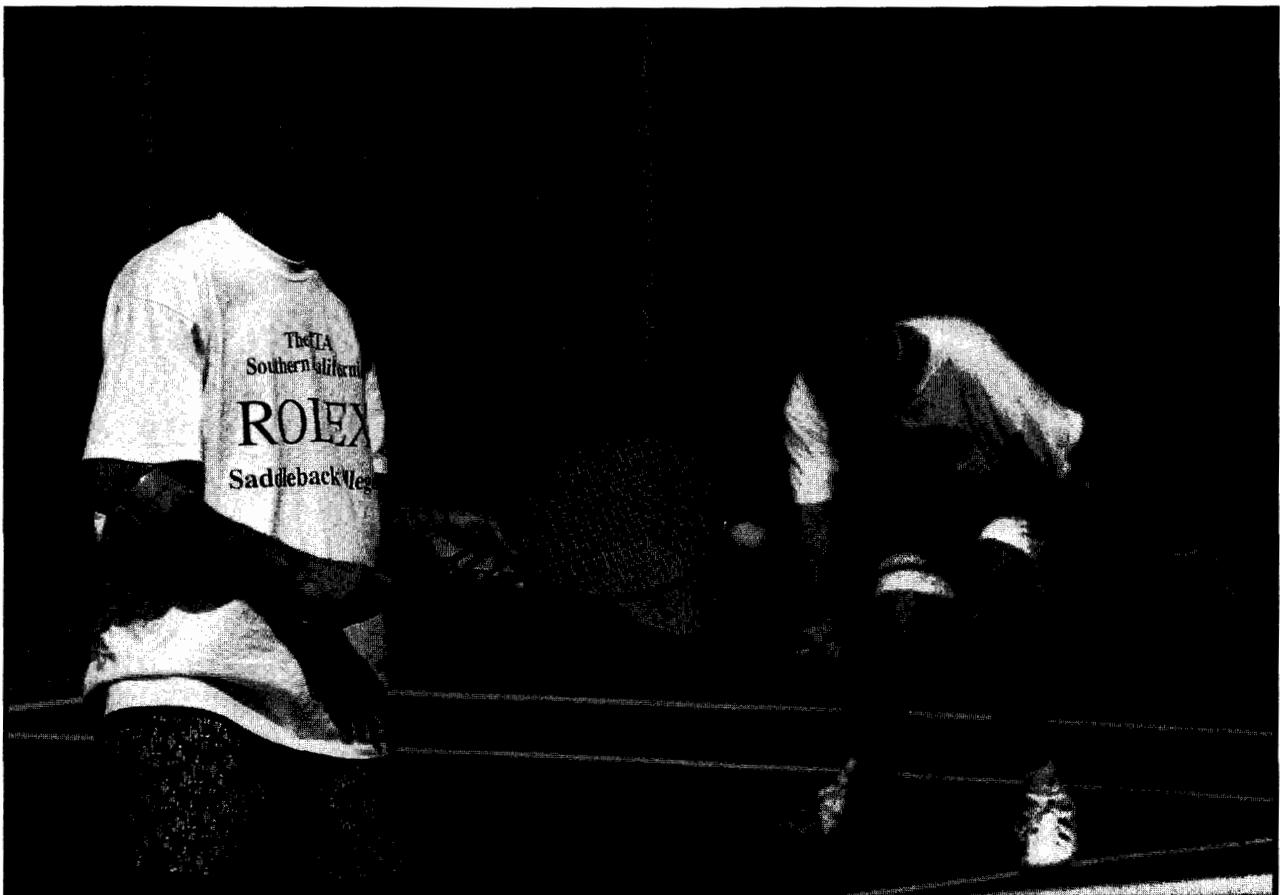
Reading Competency: All students earning an Associate in Arts Degree or an Associate in Science Degree must demonstrate a reading proficiency at the collegiate level by passing RDG 51, Analytical Reading, with a grade of "C" or better, or the equivalent.

Writing Competency: All students earning an Associate in Arts Degree or an Associate in Science Degree must demonstrate a writing proficiency at the collegiate level by passing with a grade of "C" or better one of the following courses: ENG 1A, ENG 3A, or the equivalent.

Mathematics Competency: All students earning an Associate in Arts Degree or an Associate in Science Degree must demonstrate a mathematics proficiency at the collegiate level by passing with a grade of "C" or better, MATH 40, or any college mathematics course determined by the Desert Community College District to be equivalent to or higher than MATH 40.

SUPPLEMENTARY NOTES

1. A single course, even though listed in more than one place, can only be used to satisfy one subject area of the IGETC.
2. IGETC is not advisable for high-unit majors, e.g. sciences, engineering.
3. Eleanor Roosevelt and Revelle Colleges at UC San Diego do not accept the IGETC.
4. IGETC may not be appropriate for students who have completed courses at a CSU or UC campus.
5. "Double counting" of courses toward the major is not limited by the IGETC, but is limited by other directives. The UC will also allow IGETC courses to count toward major requirements. CSU campus limitations on double-counting of general education courses toward major preparation are not changed by the IGETC.
6. If you are transferring to a UC campus, the UC Transfer Course Agreement lists unit limitations that might apply to the courses you have selected.
7. Courses used to meet IGETC requirements may not also be used to satisfy the "American History and Institutions Requirement" at CSU. See Transfer Center handout for clarification.



COD COURSE ABBREVIATIONS (CATALOG, SCHEDULES & TRANSCRIPTS)

A	Astronomy	GOLF	Golf Management
ACR	Air Conditioning/HVAC	HE	Health
AGBU	Agriculture/Business	HEC	Home Economics-Nutrition
AGEG	Agriculture/Engineering	HIST	History
AGPS	Agriculture/Plant Science	HS	Health Sciences
AJ	Administration of Justice	HSAD	Human Services Alcohol Drug Studies
ANTH	Anthropology	HSC	Human Services Counseling
ARCH	Architecture	HUM	Humanities
ART	Art	ITAL	Italian
ASC	Academic Skills Center	J	Journalism
ASL	American Sign Language	JPN	Japanese
AUTO	Automotive Technology	MATH	Mathematics
BI	Biology	MC	Mass Communication
BIT	Building Inspection Technology	MUS	Music
BUAC	Business/Accounting	N	Nursing
BUFI	Business/Finance	NR	Natural Resources
BUHM ..	Business/Hotel & Restaurant Management	OH	Ornamental Horticulture
BUMA	Business/Management	OIS	Office Information Systems
BURE	Business/Real Estate	PE	Physical Education
BUSM	Business/Supervision & Management	PH	Physics
CART	Culinary Arts	PHIL	Philosophy
CH	Chemistry	PS	Political Science
CIS	Computer Information Systems	PSY	Psychology
CM	Construction Management	RDG	Reading
CS	Computer Science	RE	Recreation
DANC	Dance	RESL	Reading English as a Second Language
DE	Developmental Education	RT	Respiratory Therapy
DRA	General Drafting/CAD	RTV	Radio-Television
DSPS	Disabled Students Programs and Services	RUS	Russian
ECE	Early Childhood Education	SOC	Sociology
ECON	Economics	SP	Speech
EMT	Emergency Medical Technology	SPAN	Spanish
ENG	English/Composition	STDV	Student Development
ESL	English as a Second Language	TA	Theatre Arts
FIRE	Fire Technology	VN	Vocational Nursing
FL	Foreign Language	VSM	Varsity Sports-Men
FR	French	VSW	Varsity Sports-Women
G	Geology	WEG	Work Experience, General
GEOG	Geography	WEV	Work Experience, Vocational
GER	German		

CALIFORNIA ARTICULATION NUMBER SYSTEM

The CALIFORNIA ARTICULATION NUMBER (CAN) System provides a cross reference number for lower-division, transferable courses taught at California colleges and universities. The CAN designation assures that the courses or sequence of courses will be accepted in lieu of an identically designated CAN course or sequence at participating campuses. The CAN is not a common numbering system. Each campus retains its own course numbers and titles. The CAN (e.g., CANENGL 2) is listed parenthetically after the course title in the catalog course descriptions. A list of participating colleges and universities is available in the Counseling Center.

CAN COURSES

CAN AJ 2
 CAN AJ 4
 CAN ANTH 2
 CAN ANTH 4
 CAN ANTH 6
 CAN BIOL 10
 CAN CHEM SEQ.A
 CAN ECON 2
 CAN ECON 4
 CAN ENGL 2
 CAN FREN SEQ A
 CAN FREN SEQ B
 CAN GEOG 2
 CAN GEOG 4
 CAN GEOL 2
 CAN GERM SEQ A
 CAN GOVT 2
 CAN HEC 2
 CAN HIST SEQ B
 CAN HIST SEQ C
 CAN MATH 8
 CAN MATH 10
 CAN MATH 16
 CAN MATH 18
 CAN MATH 20
 CAN MATH 22
 CAN PHIL 2
 CAN PHIL 4
 CAN PHYS SEQ A
 CAN PSY 2
 CAN RUSS SEQ A
 CAN SOC 2
 CAN SOC 4
 CAN SPAN SEQ A
 CAN SPAN SEQ B
 CAN SPCH 4
 CAN STAT 2

COLLEGE OF THE DESERT COURSES

AJ 1, Introduction to the Administration of Justice
 AJ 2, Criminal Law
 ANTH 1, Human Evolution
 ANTH 2, Cultural Anthropology
 ANTH 3, Introduction to Archeology
 BI 22, Human Anatomy
 CH 1A + CH 1B, General Chemistry
 ECON 1, Principles of Macroeconomics
 ECON 2, Principles of Microeconomics
 ENG 1A, Composition
 FR 1 or 1AB + 2 or 2AB, Elem. + Elem. French
 FR 3 + FR 4, Intermediate + Intermediate French
 GEOG 1, Physical Geography
 GEOG 2, Cultural Geography
 G1, Physical Geology + G1L, Physical Geology Lab
 GER 1 or 1AB + 2 or 2AB, Elem. + Elem. German
 PS 1, Introduction to Government
 HEC 13, General Nutrition
 HIST 17 + HIST 18, United States History
 HIST 3 + HIST 4, History of World Civilization I & II
 MATH 5, Trigonometry
 MATH 10, College Algebra
 MATH 12, Pre-Calculus Analysis
 MATH 1A, Calculus
 MATH 1B, Calculus
 MATH 2A, Calculus with Analytic Geometry
 PHIL 6, Introduction to Philosophy
 PHIL 14, Introduction to Ethics
 PH 2A + PH 2B, College Physics
 PSY 1, General Psychology
 RUS 1AB + 2AB, Elem. + Elem. Russian
 SOC 1, Introductory Sociology
 SOC 2, Sociological Analysis Social Problems
 SPAN 1 or 1AB + 2 or 2AB, Elem. + Elem. Spanish
 SPAN 3 + SPAN 4, Intermed. + Intermed. Spanish
 SP 4, Public Speaking
 MATH 14, Statistical Methods

CERTIFICATE AND DEGREE PROGRAMS

MAJOR/DEPARTMENT	CERTIFICATE	NON- TRANSFER DEGREE	TRANSFER DEGREE	PG
Administration of Justice (CMC)	C	A.S.	A.S.	75
Agriculture				76
Agri-Business		A.S.	A.S.	76
Agriculture, General		A.S.		77
Natural Resources		A.S.	A.S.	77
Natural Resources/Park Technician Option		A.S.		77
Ornamental Horticulture	C	A.S.	A.S.	78
Plant Science		A.S.		79
Turfgrass Management	C	A.S.		80
Air Conditioning /HVAC	C	A.S.		81
Architecture/Environmental Design				82
Architectural Technology	C	A.S.		83
Architecture			A.S.	83
Building Inspection Technology	C			84
Construction Management	C	A.S.	A.S.	84
Art (CMC)			A.A.	85
Automotive Technology (CMC)		A.A.		87
Automatic Transmissions (CMC)	C			87
Automotive Air Conditioning (CMC)	C			87
Automotive Electrical Systems (CMC)	C			88
Brake Technology (CMC)	C			88
Engine Performance/Emission Control (CMC)	C			88
Engine Rebuilding (CMC)	C			88
Gaseous Fuels	C			88
Standard Transmissions (CMC)	C			89
Suspension and Alignment (CMC)	C			89
Business and Hospitality Industries				89
Accounting (CMC)	C			90
Business Administration (CMC)			A.A.	90
Computer Information Systems (CMC)	C	A.A.		90
Computer Science (CMC)	C	A.A.	A.A.	91
Economics (CMC)			A.A.	93
General Business (CMC)		A.A.		93
Golf Management	C	A.A.		93
Hotel and Restaurant Management			A.A.	94
Supervision & Management	C	A.A.		94
Communication				95
Communication (CMC)			A.A.	96
Composition			A.A.	96
Literature			A.A.	97
Journalism			A.A.	97
Mass Communication			A.A.	97
Speech			A.A.	98
Culinary Arts				98
Basic Culinary Arts	C			98
Intermediate Culinary Arts	C			99
Culinary Management	C		A.A.	99

CERTIFICATE AND DEGREE PROGRAMS

MAJOR/DEPARTMENT	CERTIFICATE	NON- TRANSFER DEGREE	TRANSFER DEGREE	PG
Developmental Education (GED)				99
General Drafting/CAD	C	A.A.		101
Fire Technology (CMC)	C	A.S.		102
Foreign Language				103
French, Italian, Spanish		A.A.		103
Health, Physical Education and Recreation				104
Physical Education		A.A.		104
Recreation		A.A.		104
Health Sciences				105
Emergency Medical Technician	C			110
Home Health Aide	C			110
Nursing Assistant	C			109
Registered Nursing (ADN) (CMC)		A.S.		111
Respiratory Therapy		A.S.		112
Vocational Nursing (VN) (CMC)	C	A.S.		113
Human Services				114
Early Childhood Education (ECE)		A.A.	A.A.	114
ECE-Title 22 AssociateTeacher (CMC)	C			115
ECE-Licensed Family Child Care Cert.	C			116
Early Childhood Ed-Teacher Cert.	C			116
Early Childhood Ed-Master Teacher Cert.	C			116
Human Services Alcohol/Drug Studies	C	A.A.		117
Liberal Arts (CMC)		A.A.		117
Liberal Studies		A.A.		117
Mathematics (CMC)		A.S.		118
Music		A.A.		118
Nutrition Care: Dietetic Technician		A.A.		119
Science: Biological, Chemical & Physical				120
Biology		A.S.		120
Chemistry		A.S.		121
Environmental Sciences or Natural Resources		A.S.		121
Environmental Studies, Interdepartmental		A.S.		122
Geology		A.S.		122
Physics		A.S.		123
Social Science				123
Anthropology (CMC)		A.A.		123
Geography		A.A.		124
History (CMC)		A.A.		124
Philosophy		A.A.		124
Political Science		A.A.		125
Psychology (CMC)		A.A.		125
Social Science		A.A.		125
Sociology (CMC)		A.A.		125
Theatre Arts		A.A.		126

(CMC) indicates programs and majors *also* offered at Copper Mountain

PROGRAM DESCRIPTIONS

CERTIFICATE AND DEGREE REQUIREMENTS

ORGANIZATION OF PROGRAMS BY DEPARTMENT

The degree and certificate programs on the following pages are arranged **alphabetically by department**. The department names and the programs (majors) within each department are listed on pages 72-73.

ALPHABETICAL ORGANIZATION OF COURSES

The complete listing of degree and certificate programs is followed by the descriptions of the courses offered by the College. Courses are listed **alphabetically by course code**. For example, BUAC 1/Accounting I is listed with other course codes beginning with "B".

PREREQUISITES, COREQUISITES, AND ADVISORIES

Complete course prerequisites, corequisites, advisories and recommended preparations are listed in this catalog after the course description.

Prerequisite requirements must be met *before* enrollment is permitted; corequisite courses must be enrolled in *during* the same semester. These requirements are intended to ensure students a reasonable chance of success.

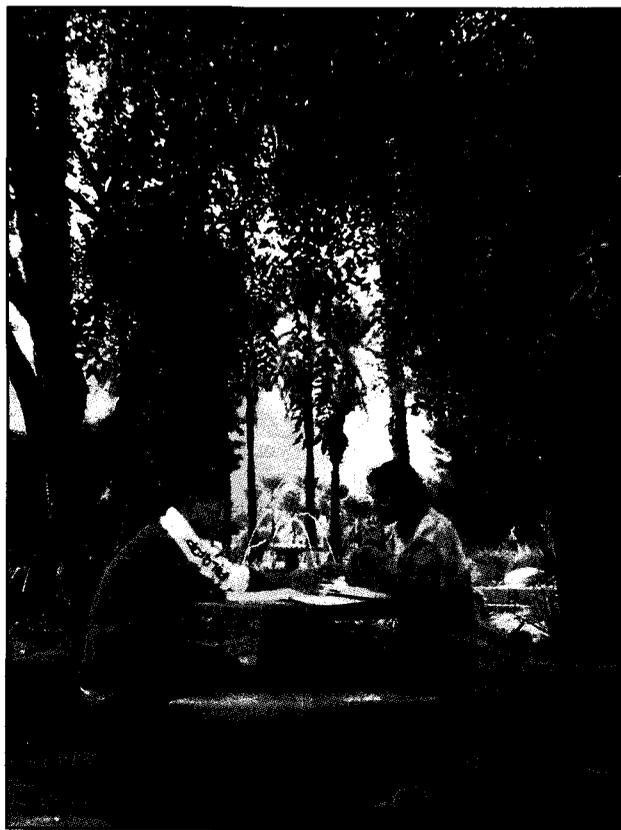
Courses taken as prerequisites to other courses must be completed with a grade of C or better.

See **page 44** for a complete definition of these terms and other limitations of enrollment. Questions regarding course eligibility should be discussed with your faculty advisor.

TRANSFERABLE COURSES

Courses transferable to the California State University are indicated by "CSU" and those transferable to the University of California are indicated by "UC" under the course description. The CSU or UC designates courses accepted for elective credit. Such courses count for the 60 units required for advanced standing transfer to CSU or UC. Students interested in transferring to the University of California should check with a COD counselor to make sure they have enough units, since we offer several UC transferable courses for which credit is decreased by one or more units by UC.

Note: As new courses are added or changes are made in current courses, University of California transfer credit may not be applicable until UC has adopted these changes.



ADMINISTRATION OF JUSTICE

Students desiring careers in Administration of Justice may elect a program of study designed for upper division transfer, or one which is oriented toward job entry with employment at a local, State, or Federal Law Enforcement Agency.

Students intending to transfer to a four-year college should consult that college for specific requirements. Students planning to pursue a career in Administration of Justice after graduation should include more specialization and emphasis in these courses.

There are certain minimum physical and good moral character requirements for peace officers. Students may obtain more specific information about those requirements from the department staff. Students who are transferring to the College of the Desert from another college must take at least six units of Administration of Justice courses at College of the Desert, in addition to regular required courses to be eligible for graduation.

Certification and approval of the Administration of Justice curriculum has been received from the California State Commission of Peace Officer Standards and Training.

ADMINISTRATION OF JUSTICE CERTIFICATE AND EMPLOYMENT PREPARATION

Courses Required:

Dept.	No.	Title	Units
AJ	1	Intro to Admin. of Justice	3
AJ	2	Criminal Law	3
AJ	3	Legal Aspects of Evidence	3
AJ	4	Principles & Procedures of the Justice System	3
AJ	5A	Multicul Issues/Public Safety	3
Required Subtotal			15
Elective Subtotal (with advisor approval).....			11-13
CERTIFICATE TOTAL			26-28

ADMINISTRATION OF JUSTICE ASSOCIATE OF SCIENCE DEGREE AND EMPLOYMENT PREPARATION

Courses Required:

Dept.	No.	Title	Units
AJ	1	Intro to Admin. of Justice	3
AJ	2	Criminal Law	3
AJ	3	Legal Aspects of Evidence	3
AJ	4	Principles & Procedures of the Justice System	3
AJ	5A	Multicul Issues/Public Safety	3
Required Subtotal			15
Elective Subtotal (with advisor approval)			25
General Education Subtotal			18
Physical Education Activities			2
DEGREE TOTAL			60

ADMINISTRATION OF JUSTICE ASSOCIATE OF SCIENCE DEGREE WITH EMPHASIS ON TRANSFER PREPARATION

Courses Required:

Dept.	No.	Title	Units
AJ	1	Intro to Admin. of Justice	3
AJ	2	Criminal Law	3
AJ	3	Legal Aspects of Evidence	3
AJ	4	Principles & Procedures of the Justice System	3
AJ	5A	Multicul Issues/Public Safety	3
Required Subtotal			15
Elective Subtotal (with advisor approval)			6
General Education (Option 1* or 2)			34-43
*Transferable Electives (as needed)			3
Physical Education Activities			2
DEGREE TOTAL			60-66

Advisor: Dr. George Tielsch

AGRICULTURE

The programs in Agriculture at College of the Desert are designed to serve both occupational and transfer students. Many courses primarily serve students who wish to enter an occupation after graduation. Courses are designed to provide practical experience, as well as academic background.

Students who wish to prepare for four-year colleges will find not only the necessary required transfer courses in English, Science, Mathematics, and related subjects available to them, but also departmental courses related to their majors. Please see your major advisor for additional information and program planning.

Curricula leading to a Certificate or Associate in Science Degree at the College of the Desert, or transfer to a four-year college or university include:

AGRI—BUSINESS

AGRICULTURE, GENERAL

NATURAL RESOURCES

Including preparation for
Environmental Sciences,
Parks and Recreation

ORNAMENTAL HORTICULTURE

Including preparation for General Horticulture,
Landscape Design/Contract,
Nursery Management

TURFGRASS MANAGEMENT

PLANT SCIENCE

Including preparation for Soil Science,
Pest Management

Advisors: **K. Leuschner**
 J. Place
 D. Walker
 M. Watling

AGRI-BUSINESS ASSOCIATE OF SCIENCE DEGREE AND EMPLOYMENT PREPARATION

Courses Required:

Dept.	No.	Title	Units
AGBU 11		Management Records	3
OR	BUAC 66	Intro to Accounting (3)	
AGBU 59A		Leadership	1
AGBU 59B		Careers	1
AGPS 1		Soils & Plant Nutrition	4
CIS 70A		Computer Business Appl/Windows ..	3
ECON 1		Principles of Macroeconomics	3
Required Subtotal			15
Elective Subtotal (with advisor approval)			25
General Education Requirements (confer with advisor)			18
Physical Education Activities			2
DEGREE TOTAL			60

AGRI-BUSINESS ASSOCIATE OF SCIENCE DEGREE WITH EMPHASIS ON TRANSFER PREPARATION

Courses Required:

Dept.	No.	Title	Units
AGBU 11		Management Records	3
OR	BUAC 66	Intro to Accounting (3)	
AGBU 59A		Leadership	1
AGBU 59B		Careers	1
AGPS 1		Soils & Plant Nutrition	4
CIS 70A		Computer Business Appl/Windows ..	3
ECON 1		Principles of Macroeconomics	3
BUMA20A		Business Law	3
Required Subtotal			18
Elective Subtotal (with advisor approval)			13
General Education Requirements (confer with advisor)			27
Physical Education Activities			2
DEGREE TOTAL			60

**GENERAL AGRICULTURE
ASSOCIATE OF SCIENCE DEGREE
AND EMPLOYMENT PREPARATION**

Dept. No.	Title	Units
AGBU 11	Management Records	3
OR BUAC 66	Intro to Accounting (3)	
AGBU 59A	Leadership	1
AGBU 59B	Careers	1
AGPS 1	Soils and Plant Nutrition	4
AGPS 2	Entomology-Gen & Applied	4
AGPS 5	Plant Science	3
AGPS 5L	Plant Science Lab	1
AGPS 30	Ag Chem Application/Safety	4
OR AGPS 32	Pesticide Laws/Reg (2)	
CIS 70A	Computer Business Appl/Windows ..	3
Required Subtotal		24
Elective Subtotal (with advisor approval)		16
General Education Requirements*		18
*To include: NR 1 Conserv Natural Resources (3)		
Physical Education Activities		2
DEGREE TOTAL		60

**NATURAL RESOURCES
ASSOCIATE OF SCIENCE DEGREE
AND EMPLOYMENT PREPARATION**

Courses Required - With advisor approval, choose 30 units from the following:

Dept. No.	Title	Units
NR 1	Conserv of Natural Resources	3
NR 1L	Consv Natural Resources Lab	1
NR 2	Introduction to Forestry	3
NR 3	Intro to Wildlife Mgmt	3
NR 41	Native Plants	1-4
NR 95	Field/Work Experience	3
AGBU 11	Management Records	3
OR BUAC 66	Intro to Accounting (3)	
AGBU 59A	Leadership	1
AGBU 59B	Careers	1
AGPS 1	Soils & Plant Nutrition	4
AGPS 2	Entomology-Gen & Applied	4

AGPS 30	Ag Chem Application/Safety	4
OR AGPS 32	Pesticide Laws/Reg (2)	
CIS 70A	Computer Business Appl/Windows ..	3
OH 20	Landscape Construction	2
Required Subtotal		30
Elective Subtotal (with advisor approval)		10
General Education Requirements*		18
*To include: AGPS 5 Plant Science (3)		
Physical Education Activities		2
DEGREE TOTAL		60

**NATURAL RESOURCES
PARK TECHNICIAN OPTION
ASSOCIATE OF SCIENCE DEGREE
AND EMPLOYMENT PREPARATION**

Courses Required - With advisor approval, choose 24 units from the following:

Dept. No.	Title	Units
NR 1	Conserv of Natural Resources	3
NR 1L	Cons Natural Resources Lab	1
NR 2	Intro to Forestry	3
NR 3	Intro to Wildlife Mgmt	3
NR 41	Native Plants	1-4
AGPS 1	Soils and Plant Nutrition	4
AGPS 2	Entomology-Gen & Applied	4
AGPS 30	Ag Chem Application/Safety	4
OR AGPS 32	Pesticide Laws/Reg (2)	
BI 4	Elements of Biology	3
BI 4L	Elements of Biology Lab	1
CIS 70A	Computer Business Appl/Windows ..	3
G 5	Environmental Geology	3
G 5L	Environmental Geology Lab	1
G 10	Earth Science	3
G 10L	Earth Science Lab	1
Required Subtotal		24
Required Electives(with advisor approval)		16
General Education Requirements		18
Physical Education Activities		2
DEGREE TOTAL		60

**NATURAL RESOURCES
ASSOCIATE OF SCIENCE DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION**

Courses Required:

Dept.	No.	Title	Units
NR	1	Cons of Natural Resources	3
NR	1L	Cons Natural Resources Lab	1
BI	1A	General Biology	5
BI	1B	General Zoology	5
OR	BI 1C	General Botany (5)	
CH	1A	General Chemistry	5
OR	CH 3	Intro General Chemistry (4)	
G	1	Physical Geology	3
G	1L	Physical Geology Lab	1
OR	G 5	Environmental Geology (3)	
AND	G 5L	Environ. Geology Lab (1)	
MATH	40	Intermediate Algebra	4
Required Subtotal			<u>26-27</u>

Electives: 18 units to be chosen from the following:

AJ	17	Wildlife Law Enforcement	3
NR	2	Intro to Forestry	3
NR	3	Intro to Wildlife Mgmt	3
AGBU	11	Management & Records	3
OR	BUAC 66	Intro to Accounting (3)	
AGBU	59A	Leadership	1
AGBU	59B	Careers	1
AGPS	1	Soils and Plant Nutrition	4
AGPS	2	Entomology-Gen & Applied	4
AGPS	30	Ag Chem Application/Safety	4
OR	AGPS 32	Pesticide Laws/Reg (2)	
CIS	70A	Computer Business Appl for Windows	3

Elective Subtotal (with advisor approval)			16
General Education (confer with advisor)			18
Physical Education Activities			<u>2</u>
DEGREE TOTAL			62-63

**ORNAMENTAL HORTICULTURE
CERTIFICATE
AND EMPLOYMENT PREPARATION**

Course Requirements:

Dept.	No.	Title	Units
OH	1	Horticulture	3
OH	1L	Horticulture Lab	1
OH	4	Turfgrass Management	2
OH	4L	Turfgrass Management Lab	1
OH	5A	Ornamental Plant Id.	3
OH	5B	Ornamental Plant Id.	3
OH	9	Landscape Planning/Design	3
OH	16	Arboriculture	2
OH	20	Landscape Construction	2
OH	46	Landscape Irrig. Systems	2
OH	46L	Landscape Irrig. Systems Lab	1
AGPS	1	Soils and Plant Nutrition	4
AGPS	30	Ag Chem Application/Safety	4
OR	AGPS 32	Pesticide Laws/Reg (2)	
AGBU	59A	Leadership	1
AGBU	59B	Careers	1

CERTIFICATE TOTAL 31-33

**ORNAMENTAL HORTICULTURE
ASSOCIATE OF SCIENCE DEGREE
AND EMPLOYMENT PREPARATION**

Courses Required:

Dept. No.	Title	Units
OH 1	Horticulture	3
OH 1L	Horticulture Lab	1
OH 4	Turfgrass Management	2
OH 4L	Turfgrass Management Lab	1
OH 5A	Ornamental Plant Id.	3
OH 5B	Ornamental Plant Id.	3
OH 9	Landscape Planning/Design	3
OH 10	Advanced Landscape Design	3
OH 16	Arboriculture	2
OH 20	Landscape Construction	2
OH 46	Landscape Irrig. Systems	2
OH 46L	Landscape Irrig. Systems Lab	1
AGBU 59A	Leadership	1
AGBU 59B	Careers	1
AGPS 1	Soils and Plant Nutrition	4
AGPS 30	Ag Chem Application/Safety	4
or AGPS 32	Pesticide Laws/Reg (2)	
Required Subtotal		34-36
Elective Subtotal (with Advisor approval)		8
General Education Requirements*		18
*To Include: NR 1 (3)		
Physical Education Activities		2
DEGREE TOTAL		62-64

**ORNAMENTAL HORTICULTURE
ASSOCIATE OF SCIENCE DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION**

Courses Required:

Dept. No.	Title	Units
OH 1	Horticulture	3
OH 1L	Horticulture Lab	1
OH 5A	Ornamental Plant Id.	3
OH 5B	Ornamental Plant Id.	3
OH 9	Landscape Planning/Design	3
OH 16	Arboriculture	2
OH 20	Landscape Construction	2

OH 46	Landscape Irrig. Systems	2
OH 46L	Landscape Irrig. Systems Lab	1
AGPS 1	Soils & Plant Nutrition	4
AGPS 2	Entomology-Gen & Applied	4
AGBU 59A	Leadership	1
AGBU 59B	Careers	1

Required Subtotal	30
General Education Requirements	30
Physical Education Activities	2
DEGREE TOTAL	62

**PLANT SCIENCE
ASSOCIATE OF SCIENCE DEGREE
AND EMPLOYMENT PREPARATION**

Courses Required:

Dept. No.	Title	Units
AGPS 1	Soils & Plant Nutrition	4
AGPS 2	Entomology-Gen & Applied	4
AGPS 5	Plant Science	3
AGPS 5L	Plant Science Lab	1
AGPS 30	Ag Chem Application/Safety	4
or AGPS 32	Pesticide Laws/Reg (2)	
AGBU 11	Management Records	3
or BUAC 66	Intro to Accounting (3)	
AGBU 59A	Leadership	1
AGBU 59B	Careers	1
CIS 70A	Computer Business Appl/Windows	3
Required Subtotal		22-24
Elective Subtotal (with advisor approval)		18-20
General Education Requirements*		18
*To Include: NR 1 (3)		
Physical Education Activities		2
DEGREE TOTAL		60

**TURFGRASS MANAGEMENT
CERTIFICATE
AND EMPLOYMENT PREPARATION**

Courses Required:

Dept.	No.	Title	Units
OH	1	Horticulture	3
OH	1L	Horticulture Lab	1
OH	4	Turfgrass Management	2
OH	4L	Turfgrass Management Lab	1
OH	16	Arboriculture	2
OH	24	Adv Turfgrass Mgmt	3
OH	25	Specialized Turfgrass Mgmt	3
OR OH	27	Turfgrass Pest Management (3)	
OH	30	Landscape Equipment	2
OH	46	Landscape Irrig. Systems	2
OH	46L	Landscape Irrig. Systems Lab	1
OH	95	Turfgrass Mgmt. Internship	2
AGBU	59A	Leadership	1
AGBU	59B	Careers	1
AGPS	1	Soils and Plant Nutrition	4
AGPS	32	Pesticide Laws & Regulations	2
OR AGPS	30	Ag Chem Applic/Safety (4) (fulfills 2 elective units)	

Electives - 8 units to be chosen. Below are some suggested courses:

AGPS	2	Entomology-Gen. & Applied	4
OH	5A	Ornamental Plant Id.	3
OH	9	Landscape Planning/Design	3
OH	33	Golf Car Maintenance	2
OH	34	Golf Course Mgmt/Design	3
NR	1	Conserv of Natural Resources	3
NR	1L	Consrv Natural Resources Lab	1
NR	41A-D	Native Plants	1
AGBU	11	Management & Records	3
OR BUAC	66	Intro to Accounting (3)	
CIS	70A	Computer Business Appl/Windows ..	3
Required Subtotal			30
Electives (with advisor approval)			8

CERTIFICATE TOTAL 38

Advisor: J. Place

**TURFGRASS MANAGEMENT
ASSOCIATE OF SCIENCE DEGREE
AND EMPLOYMENT PREPARATION**

Courses Required:

Dept.	No.	Title	Units
OH	1	Horticulture	3
OH	1L	Horticulture Lab	1
OH	4	Turfgrass Management	2
OH	4L	Turfgrass Management Lab	1
OH	16	Arboriculture	2
OH	24	Adv Turfgrass Mgmt	3
OH	25	Specialized Turfgrass Mgmt	3
OH	27	Turfgrass Pest Management	3
OH	30	Landscape Equipment	2
OH	46	Landscape Irrig. Systems	2
OH	46L	Landscape Irrig. Systems Lab	1
OH	95	Turfgrass Mgmt. Internship	2
AGPS	1	Soils and Plant Nutrition	4
AGPS	30	Ag Chem Application/Safety	4
OR AGPS	32	Pesticide Laws/Reg (2)	
AGBU	59A	Leadership	1
AGBU	59B	Careers	1

Major Electives - 10 units to be chosen. Below are some suggested courses:

AGPS	2	Entomology-Gen. & Applied	4
OH	5A	Ornamental Plant Id.	3
OH	9	Landscape Planning/Design	3
OH	20	Landscape Construction	2
OH	33	Golf Car Maintenance	2
OH	34	Golf Course Mgmt/Design	3
NR	1	Conserv of Natural Resources	3
NR	1L	Consrv Natural Resources Lab	1
NR	41A-D	Native Plants	1
AGBU	11	Management & Records	3
OR BUAC	66	Intro to Accounting (3)	
CIS	70A	Computer Business Appl/Windows ..	3
Required Subtotal			33-35
Major Electives (with advisor approval)			8
General Education Requirements			18
Physical Education Activities			2

DEGREE TOTAL 61-63

Advisor: J. Place

AIR CONDITIONING/ HVAC

Air Conditioning/HVAC courses are designed to be as flexible as possible to best serve student needs. Courses required in occupational areas are so listed because of the thinking of members of the General Technical Advisory Committee and other individuals' experiences in the specific occupational areas. A student's own background experience may dictate variances in total requirements.

Courses listed in transfer curricula afford opportunities for course selection that should be based on the requirements of the institution to which the individual student will later transfer.

Advisor: J. LaFontaine



AIR CONDITIONING AND REFRIGERATION CERTIFICATE AND EMPLOYMENT PREPARATION

Courses Required:

Dept.	No.	Title	Units
ACR	60	Air Cond/Refrig I	3
ACR	61	Air Cond/Refrig II	3
ACR	64	Air Cond/Refrig Elec I	3
ACR	65	Air Cond/Refrig Elec II	3
ACR	81	Heating I	2
ACR	82	Heating II	2

Required Subtotal 16

Select a minimum of 8 units from
the following technical electives:

ACR	48A	Seminar (Refrigerant Mgmt. and EPA Certification)	1
ACR	62	Air Conditioning III	3
ACR	63	Air Conditioning IV	3
ACR	66	Air Cond Load Estimating	1
ACR	67	Refrig Load Estimating	1
ACR	68	Air Dist Sys Design	1
ACR	69	Air Cond/Refrig Cost Est	1
ACR	70A	ACR Special Project	1
ACR	70B	ACR Special Project	1
ACR	73	Pneumatic Control	1
ACR	74	ACR System Access	2

Technical Electives Subtotal: 8

Other Electives:

Select 3-4 units from the following
(with Advisor approval):

ARCH	10	Environmental Control Systems	3
AUTO	60A	Auto Air Conditioning I	2
BIT	10	Uniform Building Code	3
BIT	24	Energy Conservation Code	2
BUAC	1	Accounting I	3
BUAC	66	Intro to Accounting	3
BUMA20A		Business Law	3
CIS	70A	Computer Business Appl/Windows	3
MATH50		Elementary Algebra	4

Other Electives Subtotal 3-4

CERTIFICATE TOTAL 27-28

AIR CONDITIONING AND
REFRIGERATION
ASSOCIATE OF SCIENCE DEGREE
AND EMPLOYMENT PREPARATION

Courses Required:

Dept. No.	Title	Units
ACR 60	Air Cond/Refrig I	3
ACR 61	Air Cond/Refrig II	3
ACR 64	Air Cond/Refrig Elec I	3
ACR 65	Air Cond/Refrig Elec II	3
ACR 81	Heating I	2
ACR 82	Heating II	2
Required Subtotal		16

Select a minimum of 24 units from
the following technical electives:

ACR 48A	Seminar (Refrigerant Mgmt. and EPA Certification)	1
ACR 62	Air Conditioning III	3
ACR 63	Air Conditioning IV	3
ACR 66	Air Cond Load Estimating	1
ACR 67	Refrigeration Load Estimating	1
ACR 68	Air Distribution Systems	1
ACR 69	Cost Estimating for Air Cond/Ref	1
ACR 70A	ACR Special Project	1
ACR 70B	ACR Special Project	1
ACR 73	Pneumatic Control	1
ACR 74	ACR System Access	2
ARCH 10	Environmental Control Systems	3
AUTO 60A	Auto Air Conditioning I	2
BIT 10	Uniform Building Code	3
BIT 24	Energy Conservation Code	2
BUAC 1	Accounting I	3
BUMA20A	Business Law	3
CIS 70A	Computer Business Applications for Windows	3
Elective Subtotal		24
General Education Requirements*		18
Physical Education Activities		2

DEGREE TOTAL 60

*To include: NR 1 Conv of Natrl Resrces (3)

Advisor: J. LaFontaine

ARCHITECTURE/
ENVIRONMENTAL
DESIGN

Architecture/Environmental Design programs have a common objective - to help students be prepared to understand issues related to the betterment of the human physical environment. This accomplished by interrelated course offerings in Architecture, Construction Management, Landscape Design, Drafting/CAD, and Building Inspection Technology. These courses and programs endeavor to give the student a technical background, a set of social values, and a range of occupational skills, which result in creative expression.

The various curricula in Architecture/Environmental Design are intended to be as flexible as possible to best serve student needs. These programs have a common core of courses which provides undecided students an opportunity to change disciplines within the Architecture/Environmental Design group without backtracking and starting over. It also offers students valuable insights into other related disciplines and occupations.

Transfer programs include courses that are designed to meet the requirements of selected universities. All students should meet with their Faculty Advisor each semester to develop and update their Student Education Plan (SEP) for course sequencing and for matching course requirements for transfer institutions.

Occupational programs include courses that are designed to meet the current technological requirement of the design/construction workplace. Students in occupational programs should meet with their Faculty Advisor each semester to develop and update their Student Education Plan. These programs are designed to prepare students for employment upon graduation.

Advisor: R. O'Donnell

**ARCHITECTURAL TECHNOLOGY
CERTIFICATE
AND EMPLOYMENT PREPARATION**

Courses Required:

Dept. No.	Title	Units
ARCH 1	Intro to Arch Professions	3
ARCH 2	Materials of Construction	4
ARCH 3A	Architectural Practice I	3
ARCH 3B	Architectural Practice II	3
ARCH 5	Intro to Drawing & Perspective	2
ARCH 6	Architectural Delineation	2.5
ARCH 7	Drawing & Graphic Analysis	2
ARCH 8	Architectural Design Fund I	3
DRA 1	Technical Drafting I	3
DRA 7	Drafting/Design CAD Project	2
DRA 8	AutoCAD Level I	2
DRA 9	AutoCAD Level II	2
CIS 70A	Computer Business Appl/Windows ..	3
CERTIFICATE TOTAL		34.5

**ARCHITECTURAL TECHNOLOGY
ASSOCIATE OF SCIENCE DEGREE
AND EMPLOYMENT PREPARATION**

Courses Required: 34 units to be chosen from the following (with Advisor approval)

Dept. No.	Title	Units
ARCH 1	Intro to Arch Professions	3
ARCH 2	Materials of Construction	4
ARCH 3A	Architectural Practice I	3
ARCH 3B	Architectural Practice II	3
ARCH 5	Intro to Drawing & Perspective	2
ARCH 6	Architectural Delineation	2.5
ARCH 7	Drawing & Graphic Analysis	2
ARCH 8	Architectural Design Fund I	3
ARCH 9	Architectural Design Fund II	3
ARCH 10	Environmental Control Systems	3
DRA 1	Technical Drafting I	3
DRA 7	Drafting/Design CAD Project	2
DRA 8	AutoCAD Level I	2
DRA 9	AutoCAD Level II	2

Required Subtotal	34
Elective Subtotal (with Advisor approval)	6
General Education Subtotal*	18
Physical Education Activities	2

DEGREE TOTAL 60

***Recommended:**

ARCH 14 History of Architecture I (3)

**ARCHITECTURE
ASSOCIATE OF SCIENCE DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION**

Courses Required:

Dept. No.	Title	Units
ARCH 1	Intro to Arch Professions	3
ARCH 2	Materials of Construction	4
ARCH 3A	Architectural Practice I	3
ARCH 3B	Architectural Practice II	3
ARCH 5	Intro to Drawing & Perspective	2
ARCH 6	Architectural Delineation	2.5
ARCH 7	Drawing & Graphic Analysis	2
ARCH 8	Architectural Design Fund I	3
ARCH 9	Architectural Design Fund II	3
ARCH 10	Environmental Control Systems	3
ARCH 15	Elementary Structures	3
ARCH 17	Arch. Design Fund. III	3
DRA 8	AutoCAD Level I	2
CIS 70A	Computer Business Appl/Windows ..	3

Required Subtotal

General Education Subtotal

Recommended:

ARCH 14 History of Architecture I (3)

(See General Education Requirements of Transfer Institution*)

DEGREE TOTAL 62.5

*Admission and General Education Requirements vary depending on transfer institution. Consult advisor and transfer institution catalog for appropriate course selection.

BUILDING INSPECTION
TECHNOLOGY
CERTIFICATE

AND EMPLOYMENT PREPARATION

Courses Required:

Dept. No.	Title	Units
BIT 10	Uniform Building Code	3
BIT 11	Plan Check Nonstructural	3
BIT 21	Uniform Mechanical Code	2
BIT 22	National Electrical Code	2
BIT 23	Uniform Plumbing Code	2
BIT 24	Energy Conservation Code	2
BIT 25	Handicapped Access. Code	2
ARCH 1	Intro to Architect. Professions	3
ARCH 2	Materials of Construction	4
ARCH 11	Arch. Blueprint Reading	3
CIS 70A	Computer Business Appl/Windows	3
CERTIFICATE TOTAL		29

CONSTRUCTION MANAGEMENT
CERTIFICATE

AND EMPLOYMENT PREPARATION

Courses Required:

Dept. No.	Title	Units
ARCH 1	Intro to Architect. Professions	3
ARCH 2	Materials of Construction	4
ARCH 3A	Architectural Practice I	3
ARCH 3B	Architectural Practice II	3
BIT 10	Uniform Building Code	3
BIT 11	Plan Check Nonstructural	3
CM 1	Intro to Construction Mgmt	2
CM 2	Intro to Urban Planning	3
CM 3	Site & Terrain Analysis	3
CM 6	Construction Surveying	2
CM 8	Construction Estimating	3
DRA 8	AutoCAD Level I	2
CIS 70A	Computer Business Appl/Windows	3
CERTIFICATE TOTAL		37

CONSTRUCTION MANAGEMENT
ASSOCIATE OF SCIENCE DEGREE
AND EMPLOYMENT PREPARATION

Courses Required:

Dept. No.	Title	Units
ARCH 1	Intro to Architect. Professions	3
ARCH 2	Materials of Construction	4
ARCH 3A	Architectural Practice I	3
ARCH 3B	Architectural Practice II	3
ARCH 5	Intro to Drawing & Perspective	2
ARCH 6	Architectural Delineation	2.5
ARCH 11	Architect. Blueprint Reading	3
BIT 10	Uniform Building Code	3
BIT 11	Plan Check Nonstructural	3
CM 1	Intro to Construction Mgmt	2
CM 2	Intro to Urban Planning	3
CM 3	Site & Terrain Analysis	3
CM 5	Construction Planning	3
CM 6	Construction Surveying	2
CM 8	Construction Estimating	3
DRA 8	AutoCAD Level I	2
Required Subtotal		44.5
General Education Subtotal*		18
Physical Education Activities		2
DEGREE TOTAL		64.5

*To include: ARCH 14 History of Architecture I (3)

**CONSTRUCTION MANAGEMENT
ASSOCIATE OF SCIENCE DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION**

Courses Required:

Dept. No.	Title	Units
ARCH 1	Intro to Architect. Professions	3
ARCH 2	Materials of Construction	4
ARCH 3A	Architectural Practice I	3
ARCH 3B	Architectural Practice II	3
ARCH 5	Intro to Drawing & Perspective	2
ARCH 6	Architectural Delineation	2.5
ARCH 8	Architectural Design Fund I	3
ARCH 15	Elementary Structures	3
CM 1	Intro to Construction Mgmt	2
CM 2	Intro to Urban Planning	3
CM 3	Site & Terrain Analysis	3
CM 5	Construction Planning	3
CM 6	Construction Surveying	2
CM 8	Construction Estimating	3
Required Subtotal		39.5
General Education* Subtotal		23
DEGREE TOTAL		62.5

***Recommended:**

ARCH 14 History of Architecture I (3)
See General Education Requirements of Transfer Institution. Admission and General Education Requirements vary depending on transfer institution. Consult advisor and transfer institution catalog for appropriate course selection.

ART

The Art Department of the College of the Desert offers a variety of courses to allow for individual interest. Students wishing to major in Art should first confer with an advisor to discuss career and possible transfer plans in order that specific requirements can be met. The course offerings at College of the Desert coincide with lower division courses offered at four-year institutions. An Associate of Arts Degree is not a requirement for transfer. If students intend to transfer to a specific four-year college after attending the College of the Desert, they should take into account future requirements of that transfer institution when planning a program. Students planning to transfer to a four-year program are advised to include Three-Dimensional Design in their program of study.

The College of the Desert offers an Associate of Arts Degree in Art not only for the Art Major who wishes to pursue a General Art study, but also for students who wish to pursue a specialized Art Program. The following is a list of Art curricula showing the many Art Major Programs offered by the Department of Art.

Advisors: J. Cook, R. Evans, W. Kohl

**ART
ASSOCIATE OF ARTS DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION**

Required Art Core Curriculum:

Dept. No.	Title	Units
ART 1A	Drawing/Composition	3
ART 3A	Basic Design/Color	3
ART 2A	History of Art	3
or ART	2B History of Art (3)	
ART 2C	History of Modern Art	3
Total Art Core Curriculum		12

General Art Major

Core Curriculum	12
ART 3B Three-Dimensional Design	3
Additional Required Art Electives	6
Art Total	21

Art Major with Emphasis in Three-Dimensional Design:

Core Curriculum	12
ART 3B Three-Dimensional Design	3
6 units from the following:	
Ceramics, Ceramic Sculpture, Sculpture, and Papermaking	6
Art Total	21

Art Major with Emphasis in Painting:

Core Curriculum	12
ART 5 Life Drawing	2
ART 21,23,25 Painting	7
Art Total	21

Art Major with Emphasis in Photography:

Core Curriculum	12
ART 33 History of Photography	3
ART 30,32 Photography	6
Art Total	21

Art Major with Emphasis in Art History:

Core Curriculum	12
ART 2A or B Art History (in addition to Core Curriculum)	3
ART 33 History of Photography	3
ART Art Electives	3
Art Total	21

Art Major with Emphasis in Drawing:

Core Curriculum	12
ART 9,13,14 Printmaking	2
ART 5A-D Life Drawing	4
ART Art Electives	3
Art Total	21

Art Major with Emphasis in Printmaking:

Core Curriculum	12
ART 21,23,25 Painting	2
OR ART 30,32 Photography (2)	
ART 9,13,14 Printmaking	7
Art Total	21

Art Major with Emphasis in Graphic Design:

Core Curriculum	12
ART 40 Graphic Design	3
CIS 82C Web Publishing I	3
CIS 82D Computer Graphics I	3
Art Total	21

FOR ALL ART MAJORS:

ART Subtotal	21
General Education (Option 1* or 2)	34-43
*Transferable Electives (as needed)	3
Physical Education Activities	2
DEGREE TOTAL	60-66



AUTOMOTIVE TECHNOLOGY

Automotive curriculum is designed to be as flexible as possible to best serve student needs. Courses required in the occupational areas are so listed because of the thinking of members of the General Technical Advisory Committee and other individuals' experiences in the specific occupational areas. A student's own background experience may dictate variances in total requirements.

Courses listed in transfer curricula afford opportunities for course selection that should be based on the requirements of the institution to which the individual student will later transfer.

Advisors: J. Tamulonis, L. DaShiell

AUTOMOTIVE TECHNOLOGY ASSOCIATE OF ARTS DEGREE AND EMPLOYMENT PREPARATION

Courses Required:

Dept. No.	Title	Units
AUTO 1	Auto Principles I	2
AUTO 19	Hazardous Materials	0.5
Units from certificate programs as agreed upon by student and Automotive Advisor ...		35
CIS 70A	Computer Business Appl/Windows ..	3
Required Subtotal		40.5
General Education Subtotal		18
Physical Education Activities		2
DEGREE TOTAL		60.5

Note: Preparation for transfer will require additional General Education courses.
Consult Advisor.

AUTOMOTIVE CERTIFICATE PROGRAMS

The Automotive certificate programs are in the areas of certification as outlined by the ASE. Upon completion of a certificate program, the student should be ready for employment in that specialty area and also be prepared to take the ASE Mechanic's certification test in the same area.

AUTOMATIC TRANSMISSIONS CERTIFICATE

AND PREPARATION FOR EMPLOYMENT AS AN AUTOMATIC TRANSMISSION AND TRANSAXLE SPECIALIST

Courses Required:

Dept. No.	Title	Units
AUTO 1	Auto Principles I	2
(or equivalent)		
AUTO 64A	Automatic Transmission I	2
AUTO 64B	Automatic Transmission II	2
CERTIFICATE TOTAL		6

AUTOMOTIVE AIR CONDITIONING CERTIFICATE

AND PREPARATION FOR EMPLOYMENT AS AN AUTOMOTIVE AIR CONDITIONING SPECIALIST

Courses Required:

Dept. No.	Title	Units
AUTO 1	Auto Principles I	2
(or equivalent)		
AUTO 60A	Auto Air Conditioning I	2
AUTO 60B	Auto Air Conditioning II	2
CERTIFICATE TOTAL		6

**AUTOMOTIVE
ELECTRICAL SYSTEMS
CERTIFICATE**

AND PREPARATION FOR EMPLOYMENT
AS AN AUTOMOTIVE ELECTRICAL TECHNICIAN

Courses Required:

Dept. No.	Title	Units
AUTO 20	Auto Electric I	3
AUTO 21	Auto Electric II	3
AUTO 22A	Auto Electric III	1
AUTO 81	Air Bags	1
CERTIFICATE TOTAL		8

**BRAKE TECHNOLOGY
CERTIFICATE**

AND PREPARATION FOR EMPLOYMENT

Courses Required:

Dept. No.	Title	Units
AUTO 1	Auto Principles I	2
	(or equivalent)	
AUTO 30	Auto Brake Systems	2
AUTO 31	Brake License Prep	1
AUTO 32	Anti-skid Brake Systems	1
CERTIFICATE TOTAL		6

**ENGINE PERFORMANCE AND
EMISSION CONTROL
CERTIFICATE**

AND PREPARATION FOR EMPLOYMENT
AS AN AUTOMOTIVE TUNE-UP & EMISSION
CONTROL SYSTEMS TECHNICIAN

(PREPARATION FOR STATE SMOG LICENSE TEST)

Courses Required:

Dept. No.	Title	Units
AUTO 20	Auto Electric I	3
AUTO 23	Engine Performance I	2
AUTO 24	Engine Performance II	2
AUTO 25	Engine Performance III	2
AUTO 26	Engine Performance IV	2
AUTO 27A	BAR Clear Air Course I	2.5
AUTO 28A	BAR Clean Air Course II	2.5
CERTIFICATE TOTAL		16

**ENGINE REBUILDING
CERTIFICATE**

AND PREPARATION FOR EMPLOYMENT
AS AN AUTOMOTIVE ENGINE REBUILDING
SPECIALIST

Courses Required:

Dept. No.	Title	Units
AUTO 1	Auto Principles I	2
	(or equivalent)	
AUTO 63A	Engine Rebuild I	2
AUTO 63B	Engine Rebuild II	2
CERTIFICATE TOTAL		6

GASEOUS FUELS CERTIFICATE

AND PREPARATION FOR EMPLOYMENT
AS A SPECIALIST IN THE INSTALLATION, REPAIR,
AND SERVICING OF LIGHT AND MEDIUM DUTY
COMPRESSED NATURAL GAS AND PROPANE
POWERED VEHICLES

Courses Required:

Dept. No.	Title	Units
AUTO 20	Auto Electric I	3
AUTO 23	Engine Performance I	2
AUTO 24	Engine Performance II	2
AUTO 25	Engine Performance III	2
	<i>AND the CNG option of:</i>	
AUTO 90A	CNG Maint. & Conversion	2
AUTO 90B	CNG Diagnosis & Repair	2
	<i>OR the LPG option of:</i>	
AUTO 91A	LPG Maint. & Conversion	2
AUTO 91B	LPG Diagnosis & Repair	2
CERTIFICATE TOTAL		13

**ACCOUNTING CERTIFICATE
AND EMPLOYMENT PREPARATION**

Courses Required:

Dept. No.	Title	Units
BUAC 1	Accounting I.....	3
BUAC 2	Accounting II	3
BUAC 4	Tax Accounting I-Individuals	3
BUAC 5	Tax Acc II-Small Bus/Corp	3
BUAC 10	Computer Accounting.....	2
BUAC 11	Automated Acct Pract Set.....	1
CIS 70A	Cmptr Appl-Windows.....	3
OR CIS 72D	Excel I (3)	
Required Subtotal		18

Note: BUAC 66 is a prerequisite for BUAC 1

Recommended Electives (Choose 4 courses):

BUAC 6	Intro to Management Acc.	3
BUAC 7	Hospital and Medical Acc.	3
BUAC 3	Governmental Accounting.....	3
BUAC 8	Real Estate and Const. Acc.	3
BUAC 9	Hospitality Mgmt. Acc.	3
BUFI 1	Principles of Financial Analysis & Planning	3
BUFI 12	Money Mgmt/Planning	3
BUFI 13	Investment Opportunities.....	3
BUMA1	Principles of Management	3
BUMA10	Introduction to Business	3
OR BUMA 20A,	Business Law (3)	
ECON 1	Principles of Macroeconomics	3
MATH 14	Statistical Methods.....	4
OR SOC 3,	Fund. of Statistics (3)	
Elective Subtotal		12-13
CERTIFICATE TOTAL		30-31

**BUSINESS ADMINISTRATION
ASSOCIATE OF ARTS DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION**

Courses Required:

Dept. No.	Title	Units
BUAC 1	Accounting I.....	3
BUAC 2	Accounting II	3

BUAC 6	Intro to Management Accounting.....	3
BUMA20A	Business Law	3
BUMA20B	Business Law	3
CIS 70A	Cmptr Appl-Windows.....	3
ECON 1	Principles of Macroeconomics	3
ECON 2	Principles of Microeconomics	3
Required Subtotal		24
General Education (Option 1 or 2)		34-43
Physical Education Activities		2
DEGREE TOTAL		60-69

**COMPUTER INFORMATION
SYSTEMS**

The Computer Information Systems program encompasses a broad area of study which includes basic computer concepts and microcomputer business applications. This program prepares students for entry-level positions, or for transfer to a four-year educational institution. Software studies include the latest versions of Windows, the Microsoft Office Suite, Internet applications, desktop and Web publishing. Courses are designed to develop basic and advanced computer skills and to develop problem-solving strategies.

The certificate and AA degree require 30 and 60 units respectively, with an emphasis on microcomputer application courses which prepare students for immediate entry into the job market. The AA degree also requires 18 units of general education.

For students who intend to transfer to a four-year institution, the major and/or general education requirements may differ. If you plan to transfer, you should (1) refer to the transfer degree requirements in this catalog; (2) consult the catalog of your prospective transfer institution; and (3) schedule an appointment with a counselor to develop a plan of study before you begin your program.

**Advisors: Z. Becker, C. Decker,
T. Gillman, S. Brandon**

**COMPUTER INFORMATION
SYSTEMS
CERTIFICATE
AND EMPLOYMENT PREPARATION**

Required Courses (12 units):

Dept.	No.	Title	Units
CIS	70A	Cmptr Appl-Windows	3
CIS	70B	Windows and Internet	3
CS	73	Intro to Computer Science	3

Business Applications (18 units):

CIS	72D	Excel I	3
CIS	73C	Access I	3
CIS	76B	Word I	3
CIS	78B	Word II	3
CIS	82B	PageMaker I	3
CIS	82C	Web Publishing I	3

Elective courses (3 units):

Any other Computer Science (CS)
Any other Computer Information Systems (CIS)
Any Management (BUMA) or Accounting (BUAC)

Required Courses	9
Business Applications	18
Electives	3
CERTIFICATE TOTAL	30

Note: To ensure an individualized educational plan, we *strongly* urge students to meet with an Academic Advisor before selecting courses from these categories. Some course substitutions may be approved.

**COMPUTER INFORMATION
SYSTEMS
ASSOCIATE OF ARTS DEGREE
AND EMPLOYMENT PREPARATION**

Required Courses (9 units):

Dept.	No.	Title	Units
CIS	70A	Cmptr Appl-Windows	3
CIS	70B	Windows and Internet	3
CS	73	Intro to Computer Science	3

Business Applications (18 units):

CIS	72D	Excel I	3
CIS	73C	Access I	3
CIS	76B	Word I	3
CIS	78B	Word II	3
CIS	82B	PageMaker I	3
CIS	82C	Web Publishing I	3

Elective courses (15 units):

Any other Computer Science (CS)
Any other Computer Information Systems (CIS)
Any Management (BUMA) or Accounting (BUAC)

Required Courses	9
Business Applications	18
Electives	15
General Education Requirements	18
Physical Education Activities	2
DEGREE TOTAL	62

COMPUTER SCIENCE

The Computer Science program prepares students for entry-level positions in computer programming or network administration, or for transfer to a four year educational institution. There are courses in the most popular of today's programming languages, including C++, Visual Basic, Java and assembly language, as well as in Windows NT and Windows 98 networking. Courses are designed to emphasize structured programming concepts that can be applied to any work or educational environment.

The certificate and non-transfer AA degree require 30 and 60 units respectively, with the emphasis on programming and computer application classes which prepare the student for immediate entry into the job market. The AA degree also requires 18 units of general education.

The transfer AA degree also requires 60 units, but the emphasis is on attaining the technical skills which are required for success in a computer science program at a four year institution. This includes three calculus classes and engineering physics, as well as 39-43 units of general education.

Advisor: T. Gillman

**COMPUTER SCIENCE
CERTIFICATE**

AND EMPLOYMENT PREPARATION

Required Courses (12 units):

Dept.	No.	Title	Units
CIS	70A	Cmptr Appl-Windows	3
CIS	70B	Windows and Internet	3
CS	73	Intro to Computer Science	3

Programming (16 units):

CS	86	Visual Basic Programming I	3
CS	86A	Visual Basic Programming II	3
CS	87	Assembler Language Programming ..	4
CS	89	C++ Programming I	3
CS	89A	C++ Programming II	3

Elective courses (6 units):

- Any other Computer Science (CS)
- Any other Computer Information Systems (CIS)
- Any Management (BUMA) or Accounting (BUAC)

Required Courses	9
Programming	16
Electives	6
CERTIFICATE TOTAL	31

**COMPUTER SCIENCE
ASSOCIATE OF ARTS DEGREE
AND EMPLOYMENT PREPARATION**

Required Courses (9 units):

Dept.	No.	Title	Units
CIS	70A	Cmptr Appl-Windows	3
CIS	70B	Windows and Internet	3
CS	73	Intro to Computer Science	3

Programming (16 units):

CS	86	Visual Basic Programming I	3
CS	86A	Visual Basic Programming II	3
CS	87	Assembler Language Programming ..	4
CS	89	C++ Programming I	3
CS	89A	C++ Programming II	3

Elective courses (15 units):

- Any other Computer Science (CS)
- Any other Computer Information Systems (CIS)
- Any Management (BUMA) or Accounting (BUAC)

Required Courses	9
Programming	16
Electives	15
General Education Requirements	18
Physical Education Activities	2
DEGREE TOTAL	60

**COMPUTER SCIENCE
ASSOCIATE OF ARTS DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION**

Transfer Courses (31 units):

Dept.	No.	Title	Units
CS	73	Intro to Computer Science	3
CS	86	Visual Basic Programming I	3
CS	87	Assembler Lang Program.	4
CS	89	C++ Programming I	3
CS	89A	C++ Programming II	3
MATH2A		Multivariate Calculus	5
PH	2A	College Physics	5
and	PH 2B	College Physics	5
OR	PH 4A	Engineering Physics (5) & PH 4B Engineering Physics (5)	

Required Subtotal	31
General Education (Option 1 or 2)	34-43
Physical Education Activities	2
DEGREE TOTAL	67-76

Note: Physics requirements vary between institutions; students should consult with a faculty advisor before selecting Physics courses.

**ECONOMICS
ASSOCIATE OF ARTS DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION**

Courses Required:

Dept. No.	Title	Units
BUAC 1	Accounting I.....	3
BUAC 2	Accounting II	3
CIS 70A	Computer Bus Appl/Windows	3
BUMA20A	Business Law	3
ECON 1	Principles of Macroeconomics	3
ECON 2	Principles of Microeconomics	3
SOC 3	Fund. of Statistics	4
OR	MATH 14 Statistical Methods(4)	
Required Subtotal		22
General Education (Option 1* or 2)		34-43
*Transferable Electives (as needed)		2
Physical Education Activities		2
DEGREE TOTAL		60-67

**GENERAL BUSINESS
ASSOCIATE OF ARTS DEGREE
AND EMPLOYMENT PREPARATION**

Required Core Courses:

Dept. No.	Title	Units
BUAC 1	Accounting I.....	3
BUAC 2	Accounting II	3
BUAC 10	Computer Accounting	2
BUAC 11	Automated Acct Practice Set	1
BUMA1	Principles of Management	3
BUMA10	Intro. to Business	3
CIS 70A	Computer Bus Appl/Windows	3
ECON 1	Prin. of Macroeconomics	3
ECON 2	Prin. of Microeconomics	3
OR	ECON 11 Internat'l Econ. Relat'ns (3)	
Electives (18 units) to be selected from the following areas with consent of an advisor: Accounting, Agri/Business, Business Law, Computer Science, Computer Information Systems, Economics, Finance, Hotel/Restaurant Management, Management, Marketing		
Core Courses Subtotal		24
Recommended Electives		18
General Education Requirements		18
Physical Education Activities		2
DEGREE TOTAL		62

**GOLF MANAGEMENT
CERTIFICATE
AND EMPLOYMENT PREPARATION**

Required Courses:

Dept. No.	Title	Units
AGPS 5	Plant Science	3
AGPS 5L	Plant Science Lab	1
BUAC 1	Accounting I.....	3
OR	BUAC 66 Intro. to Accounting (3)	
BUMA1	Principles of Management	3
BUMA24	Resort Personnel/Human Rel	2
BUMA25	Golf Shop Operations	1
CART 28	Resort Food & Beverage Operations	3
GOLF 29	Methods of Teaching Golf	2
GOLF 30	Short Game and Putting	2
GOLF 32	Teaching Lab	2
GOLF 34	Club Design and Repair	2
GOLF 36	Fund. and Rules of Golf.....	2
OH 33	Golf Car Maintenance	2
OH 34	Golf Course Mgmt./Design	3
CERTIFICATE TOTAL		31

**GOLF MANAGEMENT
ASSOCIATE OF ARTS DEGREE
AND EMPLOYMENT PREPARATION**

Required Courses:

Dept. No.	Title	Units
AGPS 5	Plant Science	3
AGPS 5L	Plant Science Lab	1
BUAC 1	Accounting I.....	3
OR	BUAC 66 Intro. to Accounting (3)	
BUMA1	Principles of Management	3
BUMA24	Resort Pers/Hum Rel	2
BUMA25	Golf Shop Operations	1
CART 28	Resort Food and Beverage Operations	3
GOLF 29	Methods of Teaching Golf	2
GOLF 30	Short Game and Putting	2
GOLF 32	Teaching Lab	2
GOLF 34	Club Design and Repair	2
GOLF 36	Fund and Rules of Golf.....	2
OH 33	Golf Car Maintenance	2
OH 34	Golf Course Mgmt./Design	3
Required Subtotal		31

(Continued on following page)

Recommended Electives (11 units):

AGPS 1	Soils and Plant Nutrition	4
AGPS 30	Agri Chemical Appl Safety	3
BUMA10	Introduction to Business	3
BUMA20A	Business Law	3
BUMA27	Marketing	3
BUSM 82	Purchasing	2
CIS 70A	Computer Bus Appl/Windows	3
ECON 1	Principles of Macroeconomics	3
OH 4	Turfgrass Management	2
OH 8	Park and Landscape Mgmt	3
OH 9	Landscape Planning&Design	3
OH 20	Landscape Construction	3
OH 30	Landscape Equipment	3
OH 46	Landscape Irrigation Systems	2
PE 86	Tennis	1
RE 1	Intro to Community Recreation	3
RE 2	Recreation Field Work	1
Required Subtotal		31
Elective Subtotal		11
General Education Requirements		18
DEGREE TOTAL		60

Advisor: Manzoni

HOTEL AND RESTAURANT
MANAGEMENT
ASSOCIATE OF ARTS DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION

This degree satisfies the lower division core courses and general education requirements leading to a B.S. degree in Hotel and Restaurant Management from California State Polytechnic University, Pomona.

Courses Required:

Dept. No.	Title	Units
BUAC 1	Accounting I	3
BUAC 2	Accounting II	3
BUHM50	Intro to Hospitality Industry	3
BUHM63	Hotel/Motel Operations	3
BUMA20A	Business Law	3
CART 1	Sanitation, Safety & Equipment	3
CART 3	Principles of Cooking	5
Required Subtotal		23
General Education (Option 1* or 2)		34-43
*Transferable Electives (as needed)		1
Physical Education Activities		2
DEGREE TOTAL		60-68

SUPERVISION &
MANAGEMENT

This curriculum is designed to offer a major in management for the employed working manager and people wishing to prepare for a career in management. A certificate is awarded and an Associate Degree may be earned built around a core program and electives approved by the Program Advisor.

Management as a discipline is an accumulated body of knowledge that can be learned by study. Management is a subject with principles, concepts, and theories, which we study to understand and learn practical applications in the process of managing.

The paradigm of quality management, globalization, and worker empowerment are emphasized throughout the curriculum to prepare the student for the ever changing world of work and managing human resources in the millennium ahead.

Advisors: R. Immenhausen, F. Watson

SUPERVISION & MANAGEMENT
CERTIFICATE
AND EMPLOYMENT PREPARATION

Courses Required:

Dept. No.	Title	Units
BUSM 91	Elements of Supervision	2
BUSM 92	Psychology for Supervisors	2
BUSM 93	Human Relations	2
BUSM 94	Comm. I for Supervisors	2
Required Subtotal		8
Elective Subtotal		16
Electives to be selected from eight (8) of other Supervision classes offered; at two (2) units each for a total of 16 units.		
CERTIFICATE TOTAL		24

**SUPERVISION AND MANAGEMENT
ASSOCIATE OF ARTS DEGREE
AND EMPLOYMENT PREPARATION**

Courses Required:

Dept. No.	Title	Units
BUSM 70	Affirm. Action for Supervisors	2
BUSM 81	Quality Management	2
BUSM 82	Purchasing	2
BUSM 83	Developing Employees Through Training	2
BUSM 84	Job Analysis for Wage Admin.	2
BUSM 91	Elements of Supervision	2
BUSM 92	Psychology for Supervisors	2
BUSM 93	Human Relations	2
BUSM 94	Comm. I for Supervisors	2
BUSM 95	Comm. II for Supervisors	2
BUSM 96	Labor-Mgmt. Relations	2
BUSM 97	Org. Patterns & Mgmt.	2
BUSM 98	Work Simplification	2
BUSM 99	Cost Control for Supervisors	2
Four (4) units from the following may be substituted for any two (2) of the above courses:		
BUSM 71	Safety Management	2
BUMA1	Principles of Management	3
BUMA10	Introduction to Business	3
BUMA27	Marketing	3
Required Subtotal		28
Elective Subtotal		14
General Education Requirements		<u>18</u>
DEGREE TOTAL		60

COMMUNICATION

Programs within the Communication Department include Communication, English As A Second Language, Journalism, Mass Communication, Radio-Television, Reading, and Speech.

The Department offers exciting, enriching, and challenging educational opportunities for students in Transfer and Occupational (Non-transfer) programs. Language is vital to our most important achievements. We must utilize both the written and spoken word to attain our goals, and appreciate a diversity of perspectives, cultures, and languages to fulfill our human potential.

A wide range of courses are offered to help students reach their objectives. Courses are arranged in complementary programs of English Composition and Literature, Communication, Journalism, Mass Communication, Reading, and Speech.

ESL, English as a Second Language, is a credit program especially developed for non-native speakers of English and for those who speak English as a second language. The credit ESL program offers multi-level courses in writing, reading and speaking to prepare students for the demands of higher education or a vocational diploma. (See *Developmental Education* for the non-credit ESL program.)

Foreign Language (French, German, Italian, Japanese, Russian, and Spanish) and *Humanities* are Departments within the Communication Division and are listed separately.

NOTE: Students applying any of the Communication required courses to their general education package will make up an equivalent number of units by additional study in the major, chosen in consultation with an advisor from the Communication Department.

**COMMUNICATION
ASSOCIATE OF ARTS DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION**

Required core courses:

Dept. No.	Title	Units
ENG 1A	Composition	4
OR	ENG 3A Freshman Comp. (3)	
ENG 1B	Literature & Composition	3
SP 1	Intro. to Human Comm.	3
SP 7	Decision Making/Advocacy	3
MC 1	Mass Media in Amer. Culture	3
SP 4	Public Speaking	3
OR	SP 5 Group Discussion Process (3)	
OR	MC 3 Telecommunications (3)	
AND	One of the following	3
ENG 5A or 5B	Creative Writing (3)	
ENG 1C	Critical Thinking & Composition (3)	
ENG 41	Technical Report Reading & Writing (3)	
J 3A	News Reporting & Writing (3)	
J 10	Magazine Article Writing (3)	
RTV 5	Radio&Television Writing (3)	

Required Subtotal	21-22
General Education (Option 1* or 2)	34-43
*Transferable Electives (as needed)	3
Physical Education Activities	2
DEGREE TOTAL	60-67

Advisors: **M. Boyd, G. Bergstrom, C. Brant,
B. Crites, J. Hopp, L. Lawless,
L. Morante, R. Nolan, R. Rawnsley,
J. Tapleshay, J. Wentz**

**COMPOSITION
ASSOCIATE OF ARTS DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION**

Required Courses:

Dept. No.	Title	Units
ENG 1A	Composition	4
OR	ENG 3A Freshman Comp (3)	
ENG 1B	Composition/Literature	3

Plus two courses from the following:

ENG 5A	Creative Writing	3
J 3A	News Reporting	3
RTV 5	Radio & Television Writing	3
J 10	Magazine Article Writing	3

At least three courses from the following:

ENG 10A	American Literature I	3
ENG 10B	American Literature II	3
ENG 11A	Survey of English Lit	3
ENG 11B	Survey of English Lit	3
ENG 12A	World Literature I	3
ENG 12B	World Literature II	3
ENG 14	Shakespeare	3
ENG 15	The Short Story	3
ENG 16	Literature of the Desert	3
ENG 17	Women in Literature	3
ENG 18	Introduction to Poetry	3
ENG 21	Intro to Latin American/Chicano Lit .	3
ENG 22	Intro to African American Literature	3
ENG 31	The Old Testament	3
ENG 32	The New Testament	3
ENG 35	Myth and Legend	3
SP 4	Public Speaking	3
SP 7	Decision Making/Advocacy	3
TA 69A,B	Dramatic Literature	3,3
MC 1	Mass Media in Amer. Culture	3

Required Subtotal	21-22
General Education (Option 1* or 2)	34-43
*Transferable Electives (as needed)	3
Physical Education Activities	2
DEGREE TOTAL	60-67

Advisors: **M. Boyd, G. Bergstrom, C. Brant,
B. Crites, J. Hopp, L. Lawless,
L. Morante, R. Nolan, R. Rawnsley,
J. Tapleshay, J. Wentz**

**LITERATURE
ASSOCIATE OF ARTS DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION**

Required Courses:

Dept.	No.	Title	Units
ENG	1A	Composition	4
OR	ENG 3A	Freshman Comp (3)	
ENG	1B	Composition/Literature	3
ENG	10A	American Literature I.....	3
OR	ENG 10B	Amer. Literature II (3)	
OR	ENG 11A	Survey of English Lit (3)	
OR	ENG 11B	Survey of English Lit (3)	

Plus four courses from the following:

ENG	5A	Creative Writing.....	3
ENG	10A	American Literature I.....	3
ENG	10B	American Literature II	3
ENG	12 A,B	World Literature I and II	3,3
ENG	14	Shakespeare.....	3
ENG	15	The Short Story	3
ENG	16	Literature of the Desert	3
ENG	17	Women in Literature	3
ENG	18	Introduction to Poetry	3
ENG	21	Intro to Latin American/Chicano Lit .	3
ENG	22	Intro to African American Literature	3
ENG	31	The Old Testament.....	3
ENG	32	The New Testament	3
ENG	35	Myth and Legend	3
SP	4	Public Speaking	3
TA	69 A,B	Dramatic Literature	3,3

Required Subtotal	21-22
General Education (Option 1* or 2)	34-43
*Transferable Electives (as needed)	3
Physical Education Activities	2
DEGREE TOTAL	60-67

Advisors: M. Boyd, G. Bergstrom, C. Brant,
B. Crites, J. Hopp, L. Lawless,
L. Morante, R. Nolan, R. Rawnsley,
J. Tapleshay, J. Wentz

**JOURNALISM
ASSOCIATE OF ARTS DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION**

Required Courses:

Dept.	No.	Title	Units
MC	1	Mass Media in Amer. Culture	3
J	3A	News Reporting	3
J	4 A	Basic Newspaper Prod	3
J	4B	Intermediate Newspaper Prod	3
J	4C	Advanced Newspaper Prod	3

Electives (Consult Advisor)	5-6
Required Subtotal	20-21
General Education (Option 1* or 2)	34-43
*Transferable Electives (as needed)	4
Physical Education Activities	2

DEGREE TOTAL 60-66

Advisor: F. Attoun

**MASS COMMUNICATION
ASSOCIATE OF ARTS DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION**

Required Courses:

Dept.	No.	Title	Units
MC	1	Mass Media in Amer. Culture	3
J	3A	News Reporting and Writing	3

Five courses from the following:

MC	3	Telecommunications	3
MC	4	Intro. to Media Advertising	3
MC	5	Intro. to Public Relations	3
J	4A	Basic Newspaper Prod	3
J	4B	Intermediate Newspaper Prod	3
J	4C	Advanced Newspaper Prod	3
J	7	Intro. to Photojournalism	3
J	10	Magazine Article Writing	3
RTV	2	Radio&TV Announcing	2
RTV	3A	Audio Production	3
RTV	3B	Advanced Audio Production	3
RTV	4A	Television Production	3
RTV	4B	Adv. Television Production	3
RTV	5	Radio Television Writing	3

(Continued on following page)

Required Subtotal	20-21
General Education (Option 1* or 2)	34-43
*Transferable Electives (as needed)	4
Physical Education Activities	2
DEGREE TOTAL	60-66

*HUM 1 - Critical Analysis is recommended to satisfy a General Education requirement.

Advisor: Attoun

**SPEECH
ASSOCIATE OF ARTS DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION**

Courses Required:

Dept. No.	Title	Units
SP 1	Intro. to Human Comm.	3
SP 5	Group Discussion Process	3

Electives (A minimum of nine (9) units to be selected from the following):

SP 2	Oral Interpretation of Lit.	3
SP 4	Public Speaking	3
SP 7	Decision Making/Advocacy	3
SP 15	Intercultural Communication	3

A minimum of six (6) units from cognate areas of Communication and/or Social Sciences -confer with Speech advisor. 6

Required Subtotal	21
General Education (Option 1* or 2)	34-43
*Transferable Electives (as needed)	3
Physical Education Activities	2
DEGREE TOTAL	60-66

Advisor: B. Crites

CULINARY ARTS

The Culinary Arts Program at College of the Desert provides training for careers in the Food Service and Lodging Industries, one of the fastest growing sectors in today's job market. The program includes training at three levels: entry, intermediate and advanced.

This program is designed to prepare future working cooks and chef apprentices, provide courses for the student desiring personal enrichment, and enhance the skills and professional qualifications of cooks and chefs employed in the local industry.

Advisor: S. Beno

**BASIC CULINARY ARTS
CERTIFICATE
AND EMPLOYMENT PREPARATION**

Required Courses:

Dept. No.	Title	Units
CART 01	Sanitation & Safety	3
CART 03	Principles of Cooking	5
CART 04	Pantry	5
CART 33	Intro. to Baking	4
BUHM50	Intro. to Hospitality Indus.	3
CERTIFICATE TOTAL		20

**INTERMEDIATE CULINARY ARTS
CERTIFICATE
AND EMPLOYMENT PREPARATION**

Required Courses:

Dept. No.	Title	Units
CART 01	Sanitation & Safety	3
CART 03	Principles of Cooking	5
CART 04	Pantry	5
CART 06	Garde Manger	5
CART 33	Intro. to Baking	4
CART 34	Intermediate Baking	4
CART 35	Operations Mgmt. (Production Cooking)	4
BUHM50	Intro. to Hospitality Indus.	3
BUMA01	Principles of Management	3
Required Business Elective		3

CERTIFICATE TOTAL 39

**CULINARY MANAGEMENT
ASSOCIATE OF ARTS DEGREE
AND EMPLOYMENT PREPARATION**

(INCLUDES CERTIFICATE PROGRAM)

Required Courses:

Dept. No.	Title	Units
CART 01	Sanitation & Safety	3
CART 03	Principles of Cooking	5
CART 04	Pantry	5
CART 06	Garde Manger	5
CART 10	Food Procurement & Cost Control	3
CART 11	Menu Planning	3
CART 33	Intro. to Baking	4
CART 34	Intermediate Baking	4
BUHM50	Intro. to Hospitality Indus.	3
BUHM63	Hotel/Motel Operation	3
BUMA01	Principles of Management	3
CIS 70A	Computer Business Applications for Windows.	3

CERTIFICATE TOTAL 44

General Education Subtotal 18

DEGREE TOTAL 62

**DEVELOPMENTAL
EDUCATION**

An integral part of the course offerings at College of the Desert available to the residents of the Coachella Valley are the basic and academic skills courses offered by Developmental Education. Developmental Education makes it possible for adult students to complete courses in several fundamental skill areas.

Many classes and programs are open-entry, open-exit, thereby allowing students to register at any time during the school year. Classes are held day and evening and at both on campus and off campus locations.

The courses in Adult Basic Education are centered around the learning skills normally acquired in grades 1-8 with the emphasis on developing reading, writing, mathematics, communication and life skills.

Credit may also be earned for those interested in acquiring their high school diploma. Anyone 18 years of age or older is welcome to begin studies leading to high school graduation. Adults who enter the high school completion program are able to transfer credit received at previous high schools they may have attended, as well as to obtain credit for military service, technical school attended, and work experience.

The Division also offers a program to prepare students for the GED Test. Many businesses and governmental agencies accept the GED certificate in lieu of the high school diploma. Arrangements to take the GED Test are to be made directly with the Division. There is a fee for the GED Test.

Developmental Education offers the Non-Credit ESL program, an intensive series of multi-skill courses which meet the needs of students not fluent in English. Persons from the literacy level to the highly advanced level of English proficiency acquire the skills required for their daily lives and prepare themselves to enter high school completion, vocational or academic programs. Please see *Communication* for information on the Credit ESL program.

100 ► DEVELOPMENTAL EDUCATION

The Developmental Education Division is located upstairs in the Hilb Student Center building at the center of the campus.

HIGH SCHOOL DIPLOMA

The following courses are available for high school credit:

<u>Dept.</u>	<u>No.</u>	<u>Title</u>
DE	318A-B	Life Skills:Getting it Together
DE	320A-D	Fundamentals of English
DE	322A-B	Advanced Fundamentals of English
DE	323A	American Literature
DE	323B	World Literature
DE	324A-B	Reading Control Lab
DE	326A-B	U.S. History
DE	328A-B	Prac Amer Govmnt
DE	332A-B	World History
DE	334	U.S. Citizenship
DE	335A-B	World Geography I & II
DE	342A-C	Prac Basic Math
DE	343A-B	Computer Discovery
DE	344A-B	Math for Living
DE	346A-B	Algebra I & II
DE	348A-B	General Science
DE	351A	Science: Land Animals
DE	351B	Science: Water Life
DE	361A	Fine Arts: Art
DE	361B	Fine Arts: Music
DE	361C	Fine Arts: Theater
DE	364A-D	GED Test Preparation
DE	368A-B	Beginning Typing I & II
DE	376A-D	Advanced Typing I & II
DE	378A-B	Psychology
DE	391A-B	Health Issues I & II
DE	396	World of Work

The following courses are available for high school credit at **Copper Mountain**:

<u>Dept. No.</u>	<u>Title</u>
DE 401	English A-Grammar Fundamentals
DE 402	English B-Grammar and Usage
DE 403	English III-Writing Skills
DE 404	Improving Spelling Skills
DE 405	Advanced English Vocabulary Dev
DE 407	American Short Stories-A
DE 408	American Short Stories-B
DE 421	Economics

DE	422	You and the Law
DE	431	Success in Math
DE	432	Accounting I
DE	433	Accounting II
DE	434	Math II-Advanced Math
DE	435	Trigonometry
DE	451	Drama I
DE	452	Drama II
DE	461	Biology

ENGLISH AS A SECOND LANGUAGE (NON-CREDIT)

The English as a Second Language Program which operates on an open-entry basis, offers instruction at all levels of proficiency for persons who are learning English as a second language. All persons 18 years of age and older, regardless of their educational background are welcome to participate in this program.

<u>Dept.</u>	<u>No.</u>	<u>Title</u>
DE	309 A	ESL Literacy
DE	310 A-F	ESL Comprehensive I-VI
DE	382 A-F	ESL Grammar I-VI
DE	384 A-F	ESL Reading/Writing I-VI
DE	386 A-F	ESL Oral Comm I-VI
DE	388 A-F	ESL Conversation I-VI
DE	399	ESL Language Laboratory

EL INGLES COMO SEGUNDO IDIOMA

Inglés Como Segundo Idioma: el departamento de "Developmental Education", ofrece programas de instrucción para todos los niveles de habilidad para las personas que están estudiando el inglés como lengua extranjera o segundo idioma. Se encuentra en el segundo piso de lo que antes era la biblioteca y ahora es el centro estudiantil, localizado frente a la fuente de agua del Colegio del Desierto. Las clases que se ofrecen en este departamento reciben nuevos estudiantes todos los días.

Cada persona de 18 años o más, sin tener en cuenta su educación previa, es bienvenida a este programa.

DISABLED STUDENTS PROGRAMS AND SERVICES

Students with disabilities at College of the Desert participate in the same activities and courses as any student. Special services are offered to provide a more equitable classroom experience and to help successfully integrate the student into college life. Such services provided include: priority registration, tutoring, interpreters, notetakers, specialized counseling, and special equipment to those who qualify.

Special instruction is available to qualified students. Participation is voluntary, and interested students must apply for special instruction programs. Special instructional programs include: Learning Disabled; Acquired Brain Injured; the Computer Access/High Tech programs, WorkAbility III, and the individualized Instructional Support Lab. A varied program of Physical Activities is offered as well.

All interested individuals are urged to contact the Learning Disabilities Specialist, the Counselor or the Coordinator of Disabled Students, Programs and Services for further information:

(760) 773-2535; TDD (760) 773-2598.

DRAFTING/CAD

Drafting/CAD programs have a common objective - they are aimed at the betterment of the human physical environment. These programs endeavor to give the student a technical background, a set of social values, and a range of occupational skills, which result in creative expression.

The various curricula in Drafting/CAD are intended to be as flexible as possible to best serve student needs. The Drafting/CAD programs will have a common core of courses which provides undecided students an opportunity to change disciplines within the Environmental Design group without backtracking and starting over. It also offers students valuable insights into other related disciplines and occupations.

Transfer programs include courses that are designed to meet the requirements of selected universities. Students should check transfer status of individual courses depending on their choice of a transfer institution. The occupational programs are designed to prepare students for employment immediately upon graduation.

Advisors: D. Acquistapace, R. O'Donnell

GENERAL DRAFTING CERTIFICATE AND EMPLOYMENT PREPARATION

Courses Required:

Dept.	No.	Title	Units
DRA	1	Technical Drafting I	3
DRA	7	Drafting/Design CAD Project	2
DRA	8	AutoCAD Level I	2
DRA	9	AutoCAD Level II	2
ARCH	1	Intro to Architect. Professions	3
ARCH	2	Materials of Construction	4
ARCH	3A	Architectural Practices I	3
ARCH	3B	Architectural Practices II	3
ARCH	5	Intro to Drawing & Perspectives	2
ARCH	6	Architectural Delineation	2.5
ARCH	7	Drawing & Graphic Analysis	2
CIS	70A	Computer Business Appl/Window	3

CERTIFICATE TOTAL 31.5

102 ► DRAFTING, FIRE TECHNOLOGY

GENERAL DRAFTING ASSOCIATE OF ARTS DEGREE AND EMPLOYMENT PREPARATION

Courses Required:

Dept. No.	Title	Units
DRA 1	Technical Drafting I	3
DRA 7	Drafting/Design CAD Project	2
DRA 8	AutoCAD Level I	2
DRA 9	AutoCAD Level II	2
ARCH 1	Intro to Architect. Professions	3
ARCH 2	Materials of Construction	4
ARCH 3A	Architectural Practice I	3
ARCH 3B	Architectural Practice II	3
ARCH 5	Intro to Drawing & Perspective	2
ARCH 6	Architectural Delineation	2.5
ARCH 7	Drawing & Graphic Analysis	2
CIS 70A	Computer Business Applications for Windows	3

Required Subtotal	31.5
Elective Subtotal (with Advisor approval)	10
General Education Subtotal	18
Physical Education Activities	2

DEGREE TOTAL 61.5

FIRE TECHNOLOGY

College of the Desert offers courses in the Fire Technology field that will count toward a certificate or Associate in Science Degree. These courses are designed for students that plan to transfer to a four-year institution, gain employment in the Fire Technology field, or as a refresher for those currently employed in some area of Fire Technology.

The approved list of courses include those accredited by the California Fire Service Training and Educational System for State Board of Fire Technology certification.

Advisor: D. Walker

FIRE TECHNOLOGY CERTIFICATE AND EMPLOYMENT PREPARATION

Courses Required:

Dept. No.	Title	Units
FIRE 1	Fire Protection Organizations	3
FIRE 2	Fire Prevention	3
FIRE 3	Fire Protection Equipment & Systems	3
FIRE 4	Building Construction for Fire Protection	3
FIRE 5	Fire Behavior & Combustion	3
FIRE 6	Hazardous Materials/ICS	3
EMT 84	Emergency Medical Tech I	5
Required Subtotal	23	
Electives (with advisor approval)	5	
CERTIFICATE TOTAL	28	

FIRE TECHNOLOGY ASSOCIATE OF SCIENCE DEGREE AND EMPLOYMENT PREPARATION

Courses Required:

Dept. No.	Title	Units
FIRE 1	Fire Protection Organizations	3
FIRE 2	Fire Prevention	3
FIRE 3	Fire Protection Equipment & Systems	3
FIRE 4	Building Construction for Fire Protection	3
FIRE 5	Fire Behavior & Combustion	3
FIRE 6	Hazardous Materials/ICS	3
EMT 84	Emergency Medical Tech I	5
Required Subtotal	23	
Fire Electives (with advisor approval)	11	
Other Electives	6	
General Education Requirements	18	
Physical Education Activities	2	

DEGREE TOTAL 60

FOREIGN LANGUAGES

Students enrolled in Foreign Language courses 1, 1A, 1B, 2, 2A, 2B or 3 which might duplicate courses completed in high school or another institution of collegiate level may be allowed unit credit in repeating the course depending upon previous level of proficiency. Upper division institutions may accept only one of the courses in transfer; either the original or the repeated course.

For language majors and transfers to University of California (UC), all Foreign Language 1A and 1B courses combined will transfer as the equivalent of a first-semester elementary course. All Foreign Language 2A and 2B courses combined will transfer as the equivalent of a second-semester elementary course.

Any student who feels qualified to take a more advanced course than indicated in his prior work will be encouraged to do so by recommendation of the instructor.

Colleges and universities consider it essential that any student receiving the Bachelor of Arts Degree have at least some knowledge of a language and civilization of other cultures. Students who are planning to transfer to a four-year institution should consult their respective catalogs for more specific information.

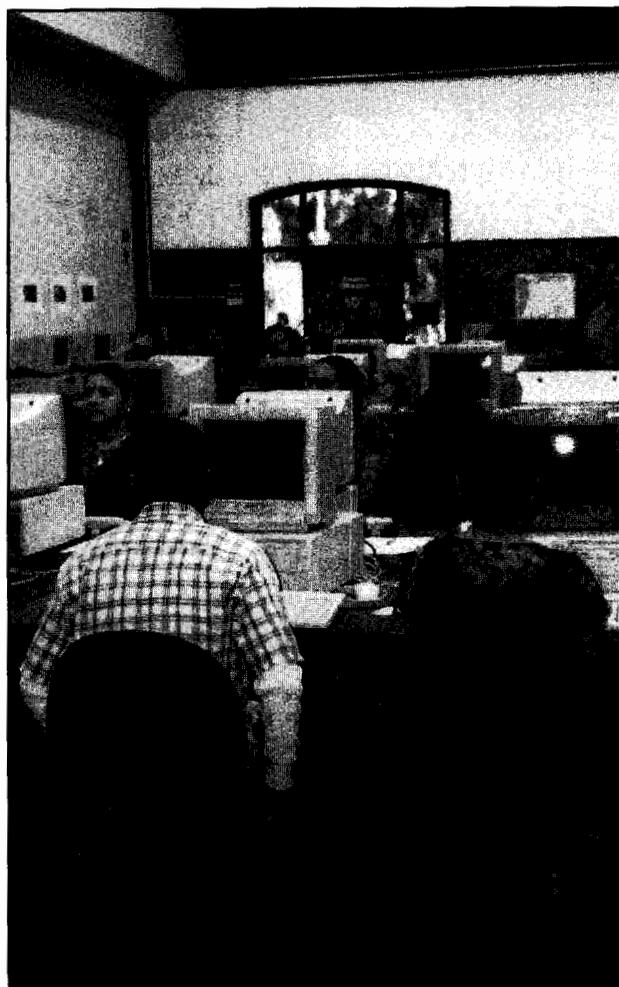
Advisors:

French - F. Attoun, D. Deti
 German - D. Deti
 Italian - D. Sottile
 Japanese - F. Attoun
 Russian - F. Attoun
 Spanish - D. Deti, D. Sottile

FRENCH, ITALIAN, OR SPANISH ASSOCIATE OF ARTS DEGREE WITH EMPHASIS ON TRANSFER PREPARATION

Courses Required:

Dept.	No.	Title	Units
FL	1, 2	Elementary	10
OR	FL	1AB, 2AB Elementary (12)	
FL	3, 4	Intermediate	8
FL		Another language	3-5
Required Subtotal			21-25
General Education (Option 1* or 2)			34-43
*Transferable Electives (as needed)			3
Physical Education Activities			2
DEGREE TOTAL			60-70

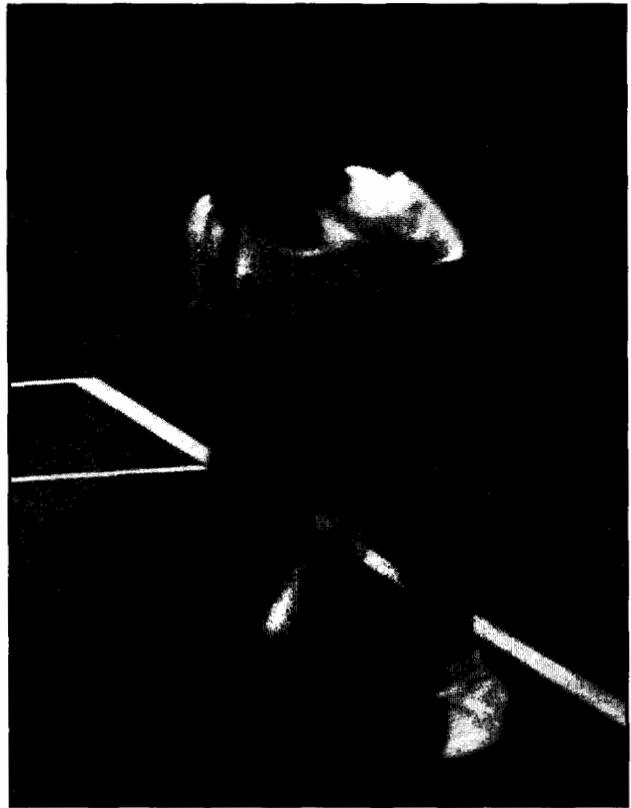


HEALTH, PHYSICAL EDUCATION AND RECREATION

The Health, Physical Education and Recreation Program at College of the Desert is designed to provide curricula leading to an Associate in Arts Degree at College of the Desert, or transfer to a four-year college or university.

Required (PE) Activity Courses are listed under Courses of Instruction.

Advisors: **W. Ansley**
D. Buttles
C. Hays
J. Marman



PHYSICAL EDUCATION ASSOCIATE OF ARTS DEGREE WITH EMPHASIS ON TRANSFER PREPARATION

Courses Required:

Dept.	No.	Title	Units
PE	1	First Aid and Safety	3
PE	2*	Sports Officiating	3
PE	5*	Foundations of Coaching	3
PE	8*	Intro to Health & P. E.	3
PE	43-97**	Physical Education Activity	2
RE	1	Intro to Comm. Recreation	3
RE	2A-D	Recreation Field Work	2

Required Subtotal	19
General Education (Option 1 or 2)	39-43
Transferable Electives (as needed to get to 60)	
DEGREE TOTAL	60

- * Scheduling priority: Course is offered only every other year
- ** May double count for Degree PE Requirement

RECREATION ASSOCIATE OF ARTS DEGREE WITH EMPHASIS ON TRANSFER PREPARATION

Courses Required:

Dept.	No.	Title	Units
PE	1	First Aid and Safety	3
PE	2*	Sports Officiating	3
PE	5*	Foundations of Coaching	3
PE	8*	Intro to Health & P. E.	3
PE	43-97**	Physical Education Activity	2
RE	1	Intro to Comm. Recreation	3
RE	2A-D	Recreation Field Work	2

Required Subtotal	19
General Education (Option 1 or 2)	39-43
Transferable Electives (as needed to get to 60)	
DEGREE TOTAL	60

- * Scheduling priority: Course is offered only every other year
- ** May double count for Degree PE Requirement

HEALTH SCIENCES

The Division of Health Sciences offers two degree programs and three certificate programs that prepare men and women for careers in health occupations. Educational pathways include both theoretical instruction on campus and clinical experience in local hospitals and clinics.

Students enrolled in the clinical program are subject to special guidelines developed to protect patient safety. A student may be asked to withdraw from the Health Sciences program for academic reasons or for other reasons such as drug/alcohol abuse, inappropriate social or emotional behavior or documented acts of dishonesty. The faculty reserves the right to remove from the clinical area any student who, in the faculty member's professional judgement, places the patient in physical or emotional jeopardy. Should this occur, the student will have a conference with the member of the Health Sciences faculty, and the Chairman of the Division.

In compliance with the Americans with Disabilities Act, students must be, with reasonable accommodation, physically and mentally capable of performing the essential functions of the program. The Core Performance Standards adopted by the Health Sciences Division include the following.

Physical Demands - Must be able to:

- be on your feet 6-12 hours at a time and perform activities that include reaching, balancing, carrying, pushing, pulling, stooping, bending and crouching;
- list and transfer adults and children from a stopped to an upright position to accomplish bed-to-chair and chair-to-bed transfers;
- lift and adjust positions of bedridden patients, including pulling as much as 12 inches to ward the head of the bed;
- physically apply up to ten pounds pressure to bleeding sites or to chest in the performance of CPR using hands, wrists and arms;
- maneuver in small spaces quickly and with ease;

- perform fine motor skills that require hand-eye coordination in the use of small instruments, equipment, and syringes;
- feel and compress tissues to assess for size, shape, texture, and temperature.

Senses - Must be able to:

- visually read calibrated scales in increments of one-hundredth of an inch in not more than a three-inch space;
- perform close and distinct visual activities involving persons and paper work;
- visually discriminate depth and possess color perception;
- identify and distinguish odors that are pungent, or the products of infection or metabolic imbalance (e.g., ketones);
- respond and react immediately to auditory instruction, requests, signals, and monitoring equipment;
- perform auditory assessments requiring the distinguishing of variances in sounds (e.g., tones and pitches).

Attitudes - Must be able to:

- learn to perform mathematical calculation for medication preparation and administration in a timely manner;
- learn to communicate effectively, both orally and in writing, using appropriate grammar, vocabulary, and word usage as well as medical terminology;
- comprehend verbal and written directions, making correct nations and responding as directed;
- make proper and timely decisions under stressful and emergency situations.

College policy requires each student enrolled in Health Sciences programs with clinical components to purchase insurance coverage against liability for malpractice. The fee for this insurance, \$7.50, is paid at the time of registration. All programs offered by the Division demand a grade of "C" or better (2.0) in any course fulfilling program requirements.

ASSOCIATE DEGREE NURSING PROGRAM

The Associate Degree Nursing Program is accredited by the California Board of Registered Nursing and the National League for Nursing Accrediting Commission (NLNAC)*. Graduates are awarded the Associate in Science Degree in Nursing by the College and are eligible to write the National Council Licensure Examination (NCLEX) for registered nursing. The program prepares graduates to care for patients in hospitals, long term care facilities, doctors' offices and clinics in a beginning staff nurse position. Admission to the program is selective because the number of applicants exceeds the number of spaces available. Specific information regarding the admission process can be obtained by calling the Division of Health Sciences, 773-2578.

Vocational nurses, who successfully challenge the first year of the Associate in Science Degree in Nursing Program and meet all other qualifications, will be admitted to the third semester of the program on a space available basis. Vocational nurses selecting the 30 unit option must be licensed in the State of California. Ten units of science, including microbiology and physiology must be completed prior to entering the program. Students are then admitted at the third semester level and complete 20 units of nursing.

Registered nurses who have graduated from a hospital-based program and are licensed in California may receive 30 units of nursing credit and complete 30 units in general education requirements of which a minimum of 12 units must be completed at College of the Desert. An Associate in Science Degree will be awarded upon completion of these courses.

*The address of NLNAC is 61 Broadway, Thirty-third floor, New York, New York 10006. Telephone: (212) 989-9393.

PHILOSOPHY

The philosophy of the Associate Degree Nursing Program supports and implements the mission statement of the Desert Community College District.

The purpose of the nursing program is to educate men and women for beginning staff nurse positions in health care settings in the community, fostering within each graduate a commitment to lifelong learning and professional development.

The faculty believe that nursing is a dynamic profession that is scientifically based and directed towards promoting, maintaining, and restoring a state of optimum wellness or supporting the individual to experience death with dignity.

The practice of nursing is based upon a holistic framework, and is committed to the value of caring. Nurses use cognitive, psychomotor, and affective skills within the parameters of the nursing process to assist the individual experiencing actual and/or potential alterations in health. The Associate Degree nurse functions in the role of provider of care, manager of care and member within the discipline of nursing. This role requires theory-based critical thinking, clinical competence, accountability and client advocacy.

Health is a changing state on the wellness-illness continuum that can be altered by internal and external stressors. Health is maximized when the individual's optimum level of wellness is promoted, maintained and/or restored.

Each individual is a unique, complex holistic being with bio-psycho-social-cultural and spiritual dimensions in constant interaction with an internal/external environment. Diverse values and beliefs exist in different social and physical environments that affect the individual's optimum wellness. Individuals possess dignity, unconditional worth and the inherent right to assume responsibility for the development of their own potential. Additionally, individuals are entitled to information that allows them to make informed decisions regarding their health care.

Nursing education involves teaching of nursing theory, skills and attitudes that assist the students to assume responsibility and accountability as registered nurses. We believe that nursing education belongs in institutions of higher education and should be structured to evaluate prior learning for admission and/or advanced placement. Nursing education incorporates knowledge from the humanities and the behavioral, physical and natural sciences.

Nursing education occurs in a variety of settings and prepares graduates with different levels of expertise. The faculty members recognize that the associate degree program serves as the beginning level of preparation for registered nurse licensure. Initially graduates work under the supervision of a more experienced nurse. Education is the key to articulation between levels. We believe that learning is a lifelong process involving external changes in behavior and internal changes in thought processes and attitudes.

Registered nurses with an associate degree in nursing function as care providers by assessing, diagnosing, planning, implementing, and evaluating the care given to clients. They establish priorities, give prescribed medications and treatments, and provide health teaching as needed.

As a manager of care, the associate degree graduate organizes the care given, delegating as appropriate, and collaborates with members of the health care team. The graduate is accountable for the care given and responsible for functioning within the legal parameters of registered nursing practice and the levels of competence as outlined in the California Nursing Practice Act. As a member within the discipline of nursing, the associate degree graduate is committed to continuous learning, ongoing professional development, and maintenance of ethical standards of practice.

The nursing program addresses the needs of students who, like their clients, come from diverse and varied ethnic, cultural, religious, and educational backgrounds. Students bring to the classroom different learning styles, personal goals, age representation, life styles, and experience. Optimum learning for a diverse student body occurs in a nonthreatening, supportive environment in which frequent feedback is an essential element.

Learning is maximized when a variety of instructional modalities are coordinated with students' specific learning needs, goals, and individual support systems. Learning progresses from simple to complex and involves active participation of both the student and the instructor. Nursing faculty serve as facilitators, catalysts, resource persons and role models.

OUTCOMES FOR THE REGISTERED NURSING PROGRAM GRADUATE

The faculty support the competencies developed by the Council of Associate Degree Programs of the National League for Nursing and believe that the associate degree graduate of the College of the Desert Nursing Program fulfills the roles of provider of care, manager of care, and member within the discipline of nursing. Additionally, graduates are prepared to practice within the provisions and limitations of the California Nurse Practice Act.

Using the nursing process, the graduate demonstrates the following competencies:

- **COMMUNICATION** - Uses written and verbal communication techniques skillfully in client and health team interactions.
 - **NURSING ROLE** - Collaborates with all members of the health care team to provide client-centered care.
 - **PHARMACOLOGY** - Uses knowledge of pharmacology to teach, safely administer and monitor drug therapy.
 - **NUTRITION** - Applies knowledge of basic and therapeutic nutrition to promote the initiation and maintenance of diets that support optimum wellness.
 - **CULTURAL AWARENESS** - Demonstrates sensitivity to multicultural values when implementing care for clients.
 - **COMMUNITY AWARENESS** - Selects and uses appropriate community resources to support clients' optimum wellness.
 - **SAFETY** - Promotes and maintains client safety in all aspects of care.
 - **HEALTH TEACHING** - Formulates individualized health teaching to promote, maintain and restore optimum wellness.
 - **LIFE SPAN** - Uses knowledge of growth and development to evaluate the health care needs of clients across the life span.
 - **PSYCHOMOTOR SKILLS** - Uses psychomotor skills to effectively and efficiently promote, maintain, and restore client's optimum wellness.
-

VOCATIONAL NURSING PROGRAM

The Vocational Nursing Program prepares men and women for first level nursing positions as contributing members of the health care team working under the direction of a registered nurse or licensed physician. They may seek employment in acute or long-term care facilities, doctors' offices or clinics. Vocational nurses assist in data collection, plan and implement nursing care, administer medications and treatments with knowledge of therapeutic results, and maintain a safe environment for patients and their families. Upon successful completion of the program a certificate in vocational nursing is awarded and the graduate is eligible to write the National Council Licensure Examination (NCLEX) for vocational nursing in the state of California. An Associate Degree in Vocational Nursing may be pursued if desired.

PHILOSOPHY

The Vocational Nursing Program is an integral part of College of the Desert. The Vocational Nursing faculty endorse the institutional mission statement that supports comprehensive educational opportunities for vocational instruction and recognizes the challenge set forth by a diverse, growing and energetic community dedicated to lifelong learning. The program meets needs of the community by preparing students for career opportunities in Vocational Nursing. The purpose of the program is to produce an entry level practitioner of vocational nursing who is eligible to write the licensing examination for vocational nursing and who has the necessary knowledge, skills and attitudes to provide safe, competent nursing care.

We believe community college students bring a variety of ethnic and cultural backgrounds, life experiences, learning styles, and developmental levels to the learning environment. The college community provides the opportunity for students and faculty to participate in cultural exchange; it encourages the examination and development of ideas through a balanced social forum and provides an environment for growth. We support self-development, including ongoing self-assessment and evaluation.

PHILOSOPHY OF MAN AND SOCIETY

We believe each person, regardless of race, creed, religion or culture, is a unique, complex, holistic being and deserving of respect. All persons share with others common human attributes and basic human needs, adapting to physical and psychosocial experiences and stresses. Individuals have an inherent right to strive to attain optimal health and to achieve their full potential in life. They possess dignity, self-worth and have the right to information that will assist them to make informed decisions regarding health care. We believe that access to health care is the right of each member of society.

HEALTH, ILLNESS AND HEALTH CARE DELIVERY

We believe health and illness are relative, ever-changing states of being. Individuals exist on a continuum ranging from a state of optimal functioning, to absence of discernible disease, to obvious disease that can result in death. Illness occurs when there is an alteration in the function of one or more body systems.

We believe the health care delivery system is changing quickly in response to societal demands, rapidly changing technology and the increasing life-span. These changes have resulted in a collaborative level of interaction between health care workers and the consumer.

PHILOSOPHY OF NURSING

Nursing is a caring profession in which the nurse uses cognitive, psychomotor and affective skills to assist individuals to achieve their highest level of health. It is concerned with helping people cope with adverse physiologic, psychosocial, and spiritual responses to illness. Nurses assist individuals to use their available resources to adapt at an optimum level of functioning. The practice of nursing incorporates the use of the nursing process to assess an individual's current and potential health care needs, and to plan, implement and evaluate nursing care.

A variety of caregivers are educated at different levels to provide health care services to the public. The vocational nurse is educated to be a responsible member of a health care team, performing basic therapeutic,

rehabilitative, and preventive care. The role of the vocational nurse is an evolving one and encompasses providing specific services to patients under the direction of a licensed physician or professional registered nurse.

PHILOSOPHY OF NURSING EDUCATION

Nursing education occurs in a variety of settings and prepares graduates with different levels of expertise. Vocational nursing education involves teaching nursing theory, skills and attitudes that assist the students to assume responsibility and accountability as vocational nurses. The nursing faculty use a systematic approach to instruction that builds on previously learned knowledge from related disciplines and life experience. Faculty select strategies, organize content, arrange experiences, and facilitate learning taking into consideration cultural factors, ethnic background and the individual learning styles of students.

PHILOSOPHY OF TEACHING AND LEARNING

We believe that learning results in a change in behavior that can be measured and which persists. Teaching and learning involve an interactive process between instructor and student. Optimum learning for a diverse student body occurs in a nonthreatening, supportive environment in which frequent feedback is an essential element. Learning is maximized when the student feels a need to learn and accepts a share of the responsibility of planning and implementing the learning experience. Learning is facilitated when a variety of instructional modalities are coordinated with students' specific learning needs, goals, and individual support systems. Learning progresses from simple to complex, and involves active participation of both the student and the instructor. Ideally, learning is a lifelong process.

OUTCOME BEHAVIORS

Using the nursing process, the graduate demonstrates the following competencies:

- Assesses basic physical, emotional, spiritual and sociocultural needs of clients using a variety of resources;

- Contributes to the development of nursing care plans, establishing priorities and revising as necessary;
- Provides safe, competent nursing care using accepted standard of practice and making appropriate referrals;
- Evaluates care to determine priorities, goals, and effectiveness of care;
- Uses effective communication skills in nursing role, in therapeutic relationships with clients and families and in collaboration with members of the health team;
- Assumes responsibility and accountability for managing own actions and care delegated to those with lesser preparation;
- Practices within the scope of practice of the licensed nurse;
- Adheres to nursing code of ethics;
- Seeks opportunity for continued professional growth and performance;
- Advocates for the health care consumers through political, economic and societal activities.

NURSING ASSISTANT

The Nursing Assistant (NA) program prepares men and women to assist with the routine care and treatment of patients in health care facilities. Working under the direction of the nursing and medical staff, activities of the certified nursing assistant include providing personal care, maintaining safety, and assisting with activities of daily living. Successful completion of the program results in eligibility to take the state approved tests that lead to certification as a nursing assistant.

The course of study includes 72 hours of classroom instruction and at least 100 hours of clinical practice in long-term care facilities. Students wishing to enter the program should have completed the College assessment tests demonstrating eligibility for English 51. Students seeking admission to the course will need to complete information disclosing any past criminal record. If a history exists that has not been cleared with the

Department of Health Services, the student will not be able to continue in the class. Specific information regarding the program may be obtained by calling or writing to the Health Sciences Division.

HOME HEALTH AIDE

The Home Health Aide program prepares men and women to assist with the routine care and treatments of clients in their homes. These services include personal health care as well as food purchasing, meal planning, laundry, and light housekeeping. Successful completion of the program results in eligibility to take the state approved tests that lead to certification as a Home Health Aide.

The course of study includes 27 hours of classroom instruction and 27 hours of supervised clinical experience. Students wishing to enter the program must be certified as a nursing assistant and have completed the College assessment tests demonstrating eligibility for English 51. Specific information regarding the program may be obtained by calling or writing to the Health Sciences Division.

EMERGENCY MEDICAL TECHNICIAN

The Emergency Medical Technician Program prepares individuals to recognize illnesses and injury symptoms and to provide legal permissible emergency treatment set forth by the standards of the State of California, and the Riverside County Health Department (RCHD).

The curriculum consists of not less than one hundred ten hours training which is divided into a minimum of 100 hours of classroom and laboratory instruction and a minimum of 10 hours of supervised clinical experience exclusive of testing. The clinical experience will include 3 patient (or equivalent simulated patient) contacts.

On completion of this 6-unit course, the student is eligible to apply to the local EMS Authority for the county-issued certification as an Emergency Medical

Technician-I which is valid for 2 years. An EMT Refresher course is offered for certificate renewal. On completion of this 2-unit course, the student is eligible to apply to the local EMS Authority for the county-issued certification as an EMT-I, which is valid for 2 years.

This program meets all criteria of the State of California and RCHD for the Emergency Medical Technician-I training.

This will serve to advise you that, pursuant to California Health and Safety code Section 1799.100, by participating in a course of instruction in emergency medical training you have waived your rights to collect civil damages against the College in the event you sustain an injury.

The code states: "No local agency, entity of state or local government, or other public or private organization which sponsors, authorizes, supports, finances, or supervises the training of people, excluding physicians and surgeons, registered nurses, and licensed vocational nurses, as defined, in emergency medical services in training programs under this part, shall be liable for any civil damages alleged to result from such training program."

RESPIRATORY THERAPY PROGRAM

The Respiratory Therapy Program is accredited by the Committee on Accreditation for Respiratory Care (CoARC), under the sponsorship of the Commission on Accreditation of Allied Health Educational Programs (CAAHEP). Graduates are awarded the Associate in Science Degree in Respiratory Therapy and a certificate of completion of the Respiratory Therapy program making the graduate eligible to write the California State Board examination for Respiratory Care Practitioner. Graduates are also eligible to write the National Board for Respiratory Care to become a Registered Respiratory Therapist.

The program prepares graduates to work in hospitals, nursing care facilities, clinics, physicians' offices, companies providing emergency oxygen services,

and municipal organizations. The respiratory therapist is qualified to assume primary responsibility for all respiratory care modalities, including the supervision of respiratory therapy technician functions.

A class is admitted to the program once every two years. It is the desire of the College to prepare therapists who are competent in the application of respiratory skills and capable of delivering humanistic patient care. It is to this goal that the curriculum is designed and the following objectives established.

On completion of the Respiratory Therapy Program the graduate will demonstrate the following competencies:

1. Provide competent respiratory care to culturally diverse patients in a variety of health care settings;
2. Communicate both in writing and verbally with members of the health care team;
3. Administer safely, all medications related to respiratory therapy;
4. Provide health teaching to patients and their families adapting that teaching to patients level of understanding;
5. Work in a collaborative manner with all members of the health care team;
6. Adhere to legal and ethical standards of practice for respiratory care therapists;
7. Maintain current practice through professional growth activities;
8. Promote and maintain patient safety in all aspect of care.

Note: The Respiratory Therapy Program is scheduled to restart in the Fall 2000 semester.

**REGISTERED NURSING
ASSOCIATE OF SCIENCE DEGREE
AND EMPLOYMENT PREPARATION**

(Graduates eligible for Registered Nurse
Licensing Examination in California)

Program Admission Requirements: One year of high school chemistry or CH 4, completed with a grade of "C" or better (4 units); English 51; Math 57.
Recommended: HS 70, Intro to Health Sciences

Courses Required:

Dept.	No.	Title	Units
BI	22	Human Anatomy	4
BI	23	Human Physiology	5
BI	15	General Microbiology	5
PSY	1	General Psychology	3
SOC	1	Introductory Sociology	3
OR SOC	4	Soc/CriticalThinking (3)	
ENG	1A	Composition	4
OR ENG	3A	Freshman Composition I (3)	
SP	1, 4, 5 or 15	3
HUM		From courses listed in catalog	3
MATH	40	Intermediate Algebra	4
PE		From courses listed in catalog	2
(One unit of PE may be satisfied by HS 70)			
N	1	Basic Concepts of Nursing Practice ..	8
N	2	Concepts of Nursing Practice for Commonly Occurring Alterations in Health	9
N	3A	Concepts of Nursing Practice for Complex Alterations in Health	9
N	3B	Issues in Nursing	0.5
N	4	Concepts of Nursing Practice for Acute Complex Alterations in Health	9
N	4B	Management Concepts in Nursing	<u>0.5</u>
DEGREE TOTAL			71-72

**Advisors: D. Gerken, E. Hackett,
I. Larsen, M. Rose**

(See Course Sequence on the following page.)

**REGISTERED NURSING
COURSE SEQUENCE**

Most students admitted to the Associate Degree Nursing program have completed all course work except the nursing courses prior to admission. However, a few may be taking courses concurrently. Listed below is a pattern of sequencing that should be followed. Although non nursing courses can be completed anytime prior to this schedule, when taken with nursing courses they must be completed no later than the semester indicated in this plan.

First Semester Units

ENG 1A or 3A (Composition)	4
BI 22 (Human Anatomy)	4
PSY 1 (General Psychology)	3
N 1 (Basic Concepts)	8

Second Semester Units

BI 23 (Human Physiology)	5
SOC 4 (Soc/Critical Thinking)	3
OR SOC 1 (Introductory Sociology)	
N 2 (Common Alterations)	9

Third Semester Units

BI 15 (Microbiology)	5
SP 1, or 4, or 5, or 15	3
N 3A (Complex Alterations)	9
N 3B (Issues in Nursing)	0.5

Fourth Semester Units

HUM (from courses listed on catalog)	3
N 4A (Acute Complex Alterations)	9
N 4B (Mgmt Concepts in Nursing)	0.5

Additional courses to be completed prior to graduation:

MATH 40 (Intermediate Algebra)	4
PE (from listed courses in catalog)	2
(HS 70 may be substituted for one unit of PE)	

TOTAL UNITS 71-72

**RESPIRATORY THERAPY
ASSOCIATE OF SCIENCE DEGREE
AND EMPLOYMENT PREPARATION**

NOTE: The Respiratory Therapy Program is not offered during the 1999-2000 academic year. The Program will resume in the Fall 2000 semester.

Prerequisite: One year of high school chemistry or CH 4, completed with a grade of "C" or better (4 units)

Recommended: HS 70, Intro to Health Sciences

Courses Required:

Dept.	No.	Title	Units
BI	21	Elementary Human Anatomy and Physiology	3
BI	21L	Elementary Human Anatomy and Physiology Lab	1
ENG	1A	Composition	4
MATH	40	Intermediate Algebra	4
PHIL	13	Perspectives on Death/Dying	3
PSY	1	General Psychology	3
SP	1	Intro Human Communication	3
PE		From courses listed in catalog	2
(One unit of PE may be satisfied by HS 70)			
RT	1	Cardiopulmonary Pathophysiology ...	3
RT	2	Intro to Respiratory Therapy	8
RT	3	Cardiopulmonary Pharm.	2
RT	4	Assisted Ventilatory Therapy	11
RT	5	Cardiopulmonary Special Procedure .	4
RT	6	Methods of Continuous Ventilatory Support	11
RT	7	Cardiopulmonary Function Testing & Rehabilitation	1.5
RT	8	Adv. Respiratory Practicum	4
RT	9	Respiratory Therapy Review and Testing	3

DEGREE TOTAL 70.5

Advisor: S. Emerson

VOCATIONAL NURSING
CERTIFICATE
AND EMPLOYMENT PREPARATION

(Graduates eligible for Vocational Nurse
Licensing Examination in California)

Recommended: HS 70, Intro to Health Sciences
See Brochure for Admission Requirements

Dept.	No.	Title	Units
HS	62	Your Living Body	3
HS	65	Basic Pharmacology	3
PSY	1	General Psychology	3
VN	1	Vocational Nursing I	5
VN	1L	Vocational Nursing I Lab	4
VN	2	Vocational Nursing II	9
VN	2L	Vocational Nursing II Lab	7
VN	3	Vocational Nursing III	9
VN	3L	Vocational Nursing III Lab	7

CERTIFICATE TOTAL 50

Advisors: P. Keller, M. Langella

VOCATIONAL NURSING
ASSOCIATE OF SCIENCE DEGREE
AND EMPLOYMENT PREPARATION

Recommended: HS 70, Intro to Health Sciences

Dept.	No.	Title	Units
HS	62	Your Living Body	3
HS	65	Basic Pharmacology	3
PSY	1	General Psychology	3
VN	1	Vocational Nursing I	5
VN	1L	Vocational Nursing I Lab	4
VN	2	Vocational Nursing II	9
VN	2L	Vocational Nursing II Lab	7
VN	3	Vocational Nursing III	9
VN	3L	Vocational Nursing III Lab	7

Required Subtotal 50

General Education Requirements 18

Physical Education Requirement 2

DEGREE TOTAL 70

Advisors: P. Keller, M. Langella



HUMAN SERVICES

This Division is developing certificate and degree programs to serve the needs of our growing college community. Program areas that deal with serving the public at large are under our purview.

Students pursuing a Certificate or Degree in Early Childhood Education should confer with their Faculty Advisor regarding elective choices and State Credential requirements and procedures.

The Drug and Alcohol Abuse Counseling Certificate program opens each Fall semester and the course sequence must be followed.

EARLY CHILDHOOD EDUCATION ASSOCIATE OF ARTS DEGREE

AND

STATE OF CALIFORNIA SITE SUPERVISOR CREDENTIAL PREPARATION

Courses Required:

Dept.	No.	Title	Units
ECE	1	Introduction to Early Childhood Programs	1
ECE	10A	Child Growth & Development	3
ECE	12	Child, Family and Community	3
ECE	14	Early Childhood Principles & Practices	3
ECE	15	Early Childhood Laboratory	2
ECE	20	Infant/Toddler Growth & Development	3
ECE	24	Administration of Programs for Young Children	3
ECE	25	Adv. Admin. of Programs for Young Children	3
ECE	40A	Creativity in Young Children	2
ECE	40C	Music for Young Children	2
ECE	42	Play, Socialization, Discipline	3
ECE	44	Child Health & Safety	2
Required Core Subtotal			30

*Required COD General Education Courses:

ENG	1A	Composition	4
NR	1	Consrv Naturl Resources	3
NR	1L	Consrv Naturl Res Lab	1
OR	BI 4	Elements of Biology (3) and BI 4L Elements of Biology Lab (1)	
SPAN	1	Elementary Spanish	5
PS	1	Intro to Government	3
PSY	1	General Psychology	3
HIST	17 or 18	U.S. History	3
MATH	40	Intermed. Algebra	4

General Education Subtotal

ELECTIVES - Select 2 units from ECE or COD

General Education Course List with Advisor approval

Core Requirements	30
General Education Requirements*	26
Electives (ECE or General Education)	2
Physical Education Activities	2

DEGREE TOTAL

*General Education courses required by the State of California for the Site Supervisor Credential.

Note: State of California also requires 350 days of experience working in a child care program to apply for a Site Supervisor Credential.

EARLY CHILDHOOD EDUCATION ASSOCIATE OF ARTS DEGREE

WITH EMPHASIS ON TRANSFER
PREPARATION

(ALSO SATISFIES SITE SUPERVISOR
CREDENTIAL REQUIREMENTS)

Courses Required:

Dept.	No.	Title	Units
ECE	1	Introduction to Early Childhood Programs	1
ECE	10A	Child Growth & Development	3
ECE	12	Child, Family and Community	3
ECE	14	Early Childhood Principles & Practices	3
ECE	15	Early Childhood Laboratory	2
ECE	20	Infant/Toddler Growth & Development	3

ECE 24	Administration of Programs for Young Children	3
ECE 25	Adv. Admin. of Programs for Young Children	3
ECE 40A	Creativity in Young Children	
ECE 40C	Music for Young Children	2
ECE 42	Play, Socialization, Discipline	3
ECE 44	Child Health & Safety	2
Required Core Subtotal		30
*Required General Education Courses:		
ENG 1A	Composition	4
BI 4	Elements of Biology	3
BI 4L	Elements of Biology Lab	1
SPAN 1	Elementary Spanish	5
PS 1	Intro to Government	3
PSY 1	General Psychology	3
PSY 3	Developmental Psychology	3
SOC 1	Intro to Sociology	3
HIST 17	or 18 U.S. History	3
MATH 14	Statistical Methods	4
Required General Education Subtotal		32
Required Core Subtotal		30
Required General Education Subtotal		32
5 Additional General Ed. Courses**		15
Physical Education Activities		2
DEGREE TOTAL		79

*Requirements based on ECE Major transferring to CSUSB. Consult advisor on course selection.

**Admission and General Education Requirements vary depending on transfer institution. Consult advisor and transfer institution catalog for appropriate selection.

Note: State of California also requires 350 days of experience working in a child care program to apply for a Site Supervisor Credential.

Advisors: J. Barnett, L. Young

EARLY CHILDHOOD EDUCATION

The following courses fulfill the California State requirement of 12 semester units for fully qualified associate teachers in private nursery schools and child care centers. The State of California also requires 50 days of experience working in a child care program to apply for an Associate Teacher Credential.

TITLE 22 ASSOCIATE TEACHER CERTIFICATE (PALM DESERT ONLY)

Courses Required:

Dept.	No.	Title	Units
ECE	1	Intro to Early Childhood Programs ...	1
ECE	10A	Child Growth & Development	3
ECE	12	Child, Family & Community	3
ECE	40A	Creativity in Young Children	2
ECE	42	Play, Socialization & Discipline	3
CERTIFICATE TOTAL			12

TITLE 22 ASSOCIATE TEACHER CERTIFICATE (COPPER MOUNTAIN ONLY)

Courses Required :

Dept.	No.	Title	Units
ECE	1	Intro to Early Childhood Programs ...	1
ECE	10A	Child Growth and Development	3
ECE	12	Child, Family & Community	3
ECE	19	Children's Language & Literature	3
ECE	30A	Curriculum Design & Implementation I .	1
ECE	30B	Curriculum Design & Implementation II	1
ECE	30C	Curriculum Design & Implementation III	1
CERTIFICATE TOTAL			13

**EARLY CHILDHOOD EDUCATION
CERTIFICATE
LICENSED FAMILY CHILD CARE**

Courses Required:

Dept.	No.	Title	Units
ECE	10A	Child Growth & Development	3
ECE	12	Child, Family and Community	3
ECE	20	Infant/Toddler Growth & Development	3
ECE	32	Child Abuse and Neglect	1
ECE	45A	Licensed Family Child Care I	1
ECE	45B	Licensed Family Child Care II	1

CERTIFICATE TOTAL 12

**EARLY CHILDHOOD EDUCATION
TEACHER CERTIFICATE
AND
PREPARATION FOR STATE CREDENTIAL**

Core Courses Required:

Dept.	No.	Title	Units
ECE	1	Intro to Early Childhood Programs ...	1
ECE	10A	Child Growth & Development	3
ECE	12	Child, Family & Community	3
ECE	14	Early Childhood Principles & Practices 3	3
ECE	15	Early Childhood Laboratory	2
ECE	20	Infant/Toddler Growth & Development	3
ECE	40A	Creativity in Young Children	2
ECE	40C	Music for Young Children	2
ECE	42	Play, Socialization, Discipline	3
ECE	44	Child Health & Safety	2
Required Core Subtotal			24

Recommended General Education Courses:

ENG	1A	Composition	4
NR	1	Consv Naturl Resources	3
NR	1L	Consv Naturl Res Lab	1
OR BI	4	Elements of Biology (3) and BI 4L Elements of Biology Lab (1)	4
SPAN	1	Elementary Spanish	5
PS	1	Intro to Government	3
PSY	1	General Psychology	3

General Education Subtotal 19
 Required Core Subtotal 24
CERTIFICATE TOTAL 43

Note: State of California also requires 175 days of experience working in a child care program to apply for a Teacher Credential.

**EARLY CHILDHOOD EDUCATION
MASTER TEACHER CERTIFICATE
AND
PREPARATION FOR STATE CREDENTIAL**

Core Courses Required:

Dept.	No.	Title	Units
ECE	1	Intro to Early Childhood Programs ...	1
ECE	10A	Child Growth & Development	3
ECE	12	Child, Family & Community	3
ECE	14	Early Childhood Principles & Practices	3
ECE	15	Early Childhood Laboratory	2
ECE	20	Infant/Toddler Growth & Development	3
ECE	23	The Mentor Teacher	2
ECE	40A	Creativity in Young Children	2
ECE	40C	Music for Young Children	2
ECE	42	Play, Socialization, Discipline	3
ECE	44	Child Health & Safety	2
Selected ECE specialization courses			6
Required Core Subtotal			32

Recommended General Education Courses:

ENG	1A	Composition	4
NR	1	Consv Naturl Resources	3
NR	1L	Consv Naturl Res Lab	1
OR BI	4	Elements of Biology (3) and BI 4L Elements of Biology Lab (1)	4
SPAN	1	Elementary Spanish	5
PS	1	Intro to Government	3
PSY	1	General Psychology	3

General Education Subtotal 19
 Required Core Subtotal 32
CERTIFICATE TOTAL 51

Note: State of California also requires 350 days of experience working in a child care program to apply for a Master Teacher Credential.

Advisors: J. Barnett, L. Young

**HUMAN SERVICES
ALCOHOL/DRUG STUDIES
CERTIFICATE**

AND EMPLOYMENT PREPARATION

Courses Required:

Dept.	No.	Title	Units
HSAD	1	Intro to Alcohol/Drug Studies	3
HSC	2	Intro/Human Svcs Counseling	3
HSAD	4	Personal/Professional Growth	2
HSAD	20	Biomedical Pharmacology	3
HSAD	22	Case Management	3
HSAD	24	Law & Ethics	3
HSAD	30	Indiv/Group Family Counseling	3
HSAD	32A	Supervised Practicum I	2
HSAD	33A	Supervised Internship I	3
HSAD	34	Dual Diagnosis	2
HSAD	32B	Supervised Practicum II	2
HSAD	33B	Supervised Internship II	3
CERTIFICATE TOTAL			32

**HUMAN SERVICES
ALCOHOL/DRUG STUDIES
ASSOCIATE OF ARTS DEGREE**

AND EMPLOYMENT PREPARATION

Core Courses Required:

Dept.	No.	Title	Units
HSAD	1	Intro to Alcohol/Drug Studies	3
HSC	2	Intro/Human Svcs Counseling	3
HSAD	4	Personal/Professnl Growth	2
HSAD	20	Biomedical-Pharmacology	3
HSAD	22	Case Management	3
HSAD	24	Law & Ethics	3
HSAD	30	Indiv/Group Family Counseling	3
HSAD	32A	Supervised Practicum I	2
HSAD	33A	Supervised Internship I	3
HSAD	34	Dual Diagnosis	2
HSAD	32B	Supervised Practicum II	2
HSAD	33B	Supervised Internship II	3

Required Subtotal	32
Program Electives (with Advisor approval)	14-15
General Education Subtotal	<u>18</u>

DEGREE TOTAL 64-65

Advisor: **A. Saddington**

LIBERAL ARTS

The Associate Degree in Liberal Arts is earned by completing 60 transferable units, including the CSU General Education course pattern or the IGETC. Students must meet competency requirements in reading, English and math, as well as the PE activity requirement for graduation. Liberal Arts majors should schedule an appointment with a Counselor for academic advisement.

LIBERAL STUDIES

Students who are transferring into a baccalaureate program in Liberal Studies in preparation for a Multiple Subjects Teaching Credential should schedule an appointment with a Counselor for academic advisement.

The Liberal Studies major provides a diversified undergraduate program study with a balance of studies among the language arts; biological, earth and physical sciences; social and behavioral sciences; and the humanities and fine arts. Liberal Studies degree programs offered by the California State Universities are approved by the Commission on Teacher Credentialing as a baccalaureate waiver program for entry into a Multiple Subjects Credential program.

With early planning and advisement, it is possible to earn an A.A. degree in Liberal Arts from C.O.D. while completing the pre-credential transfer program of study.

MATHEMATICS

The Mathematics Department (Division of Science and Mathematics) offers a full range of mathematics courses. In addition to course work leading to transfer with a major in mathematics and support of the sciences and engineering, the division offers courses to prepare the student to take mathematics at the college level.

MATHEMATICS ASSOCIATE OF SCIENCE DEGREE WITH EMPHASIS ON TRANSFER PREPARATION

Courses Required:

Dept. No.	Title	Units
MATH1A	Calculus	5
MATH1B	Calculus	5
MATH2A	Multivariate Calculus	5
MATH2B	Linear Algebra	4
AND/OR MATH 2C	Ordinary Differential Equations (4)	
PH 4A	Engineering Physics	5
PH 4B	Engineering Physics	5
PH 5	Computer Programming I: C++ for Sciences & Engineering	3
OR CS 89	C++ Programming I (3)	
Required Subtotal		32
General Education Requirements (confer with advisor)		33
DEGREE TOTAL		65

Advisors:

T. Crewse
K. Dostal
S. Dostal
L. Graff
G. Hagopian
J. Matthews
B. Romer
K. Tabor

MUSIC

The Music Department curriculum is primarily directed toward the transfer major, since the principal utilization of these courses is by these students.

The Department offerings divide themselves into three categories:

1. Required and elective courses for the Music Major.
2. Music performance organizations open to both major and non-major.
3. General Education courses in the Arts and Humanities primarily directed toward the non-major.

Persons planning to major in music should confer with an advisor within the department before selecting courses toward that major.

MUSIC ASSOCIATE OF ARTS DEGREE WITH EMPHASIS ON TRANSFER PREPARATION

Required Core Curriculum:

Dept. No.	Title	Units
MUS 10	Introduction to Music	3
MUS 12	Fundamentals of Music	3
MUS 15	Intro to Music Theory	2
MUS 21A	Class Piano	2
MUS 21B	Class Piano	2
Total Music Core Curriculum		12

Music Major/Emphasis in Education:

Core Curriculum	12
MUS 1A Musicianship	3
MUS 1B Musicianship	3
MUS 2A Harmony	3
MUS 2B Harmony	3
Performance Organizations*	4
Total Music Education Courses	28

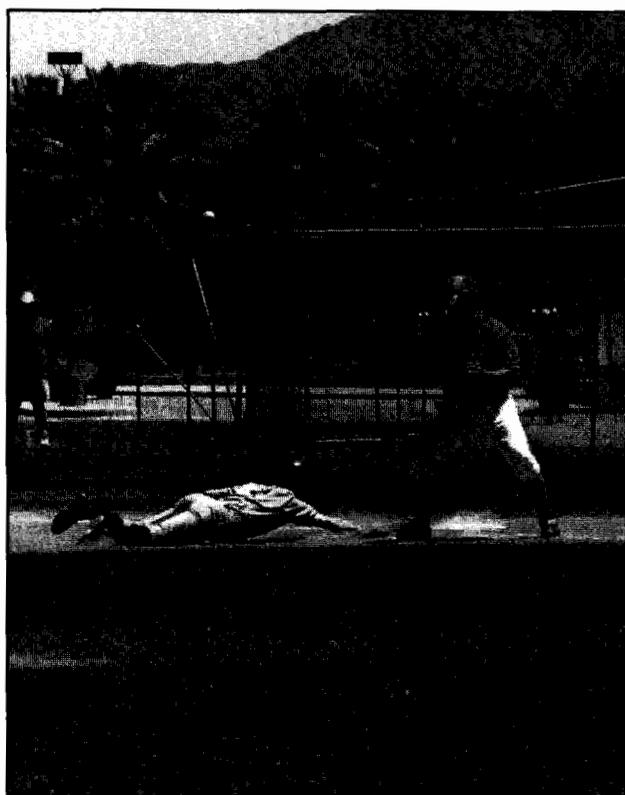
* Four units of Performance Organization chosen from the following:

- MUS 32A-D CollegeChorus
- MUS 33A-D Symphonic Band
- MUS 34A-D Vocal Ensemble

Music Major/Emphasis in Technology:

Core Curriculum	12
MUS 1A Musicianship	3
MUS 1B Musicianship	3
MUS 2A Harmony	3
MUS 2B Harmony	3
MUS 78A Computers & Music	2
MUS 78B Computers & Music	2
Total Music Technology Courses	28
 Music Subtotal	 28
General Education (Option 1 or 2)	34-43
Physical Education Activities	2
DEGREE TOTAL	64-73

Advisors: D. Romano, S. Schmidt



NUTRITION

**NUTRITION CARE: DIETETIC
TECHNICIAN
CHAFFEY COLLEGE
AND
COLLEGE OF THE DESERT
ARTICULATED
ASSOCIATE OF ARTS DEGREE
AND EMPLOYMENT PREPARATION**

Students complete articulated classes at COD and field work through Chaffey College. The Chaffey College program is approved by the American Dietetic Association. This program prepares students to take the ADA Registration Examination for Dietetic Technicians. Graduates from this program are qualified to be employed by acute care and rehabilitation hospitals, as well as by community agencies that provide education in nutrition. *The articulation agreement with Chaffey College is under review. See advisor for details.

Courses Required:

Dept.	No.	Title	Units
BI	21	Anatomy & Physiology	3
BI	21L	Anatomy & Physiology Lab	1
BUAC	7	Hospital & Medical Acctg.	3
BUMA1		Principles of Management	3
CART	1	Sanitation & Safety	3
CART	3	Principles of Cooking	3
CART	10	Food Procurement & Cost Control ...	3
CART	11	Menu Planning	3
CART	35	Operations Management	4
HEC	13	General Nutrition	3
HEC	14	Therapeutic Diets	3
COD Required Courses			32
General Education Requirements			18
PE Requirement			2
COD Subtotal			52
*FSM	421	Nutrition Care	2
*FSM	423	Advanced Nutrition Care	2
*Additional Chaffey Requirements(estimated)			9
DEGREE TOTAL (estimated)			65

Advisor: D. Walker

SCIENCES

BIOLOGICAL, CHEMICAL
AND PHYSICAL

The Science Department (Division of Science and Mathematics) has available a broad offering of courses in the Biological, Chemical and Physical Disciplines. The aim of the division is to provide instruction to a large number of general students as well as those with a goal of majoring in science. To this end, courses for the non-Science Major are transferable to other institutions for General Education Requirements. Courses designed for Science Majors parallel content, level of instruction and units found in University Systems. The department also offers a complete sequence of science courses leading to a nursing program and related paramedical qualifications.

Advisors:

- P. Bowie:** Botany, Pre-pharmacy, Pre-veterinary Medicine
- B. Burrage:** Biology, Zoology
- D. Salter:** Biology
- M. Mason:** Physics, Astronomy
- G. Meyer:** Geology, Environmental Studies
- C. Totten:** Bacteriology, Microbiology, Pre -medicine, -dentistry, -optometry
- R. Tracey:** Bacteriology, Chemistry, Microbiology, Nursing, Pre -medicine, -dentistry

BIOLOGY, PRE-PROFESSIONAL
ASSOCIATE OF SCIENCE DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION

(INCLUDES BIOLOGY, ZOOLOGY, BOTANY,
PREMEDICINE, PRE DENTISTRY,
PREPHARMACY, PREVETERINARY
MEDICINE, MICROBIOLOGY,
ENTOMOLOGY, PARASITOLOGY,
BIOLOGICAL OCEANOGRAPHY)

Courses Required: (Based on minimum prior preparation)*

Dept.	No.	Title	Units
CH	1A	General Chemistry	5
CH	1B	General Chemistry	5
PH	2A	College Physics	4
PH	2B	College Physics	4
MATH	1A	Calculus	5
MATH	1B	Calculus	5
BI	1A	General Biology - Principles	5
BI	1B	General Zoology	5
BI	1C	General Botany	5
Required Subtotal			39
General Education Requirements (confer with advisor)			25
DEGREE TOTAL			62

(Consult catalog of transfer institution for specific requirements). Consult course descriptions for prerequisites.

***IMPORTANT NOTE:** The student must see an advisor depending on proposed career, as some courses listed above are not required. Thus, the total units will vary depending on the individual student's career objective and prior preparation.

Students majoring in Biological Science, Medicine, Pharmacy, Dentistry, or allied fields should complete Biology 1A and 1B and Chemistry 1A and 1B to establish a strong foundation prior to transfer. Majors in Biological Science and Pharmacy should also complete Biology 1C.

CHEMISTRY
ASSOCIATE OF SCIENCE DEGREE
 WITH EMPHASIS ON TRANSFER
 PREPARATION
 (INCLUDES BIO-CHEMISTRY)

Courses Required:

Dept.	No.	Title	Units
CH	1A	General Chemistry	5
CH	1B	General Chemistry	5
MATH	1A	Calculus	5
MATH	1B	Calculus	5
PH	2A,B	College Physics	8
OR	PH 4A,B	Engineering Physics (10) (Physics selection depends on requirements of transfer institution)	
BI	1A	General Biology	5
BI	1B	General Zoology	5
Required Subtotal			38-40
General Education (Option 1 or 2)			34-43
Physical Education Activities			2
DEGREE TOTAL			74-85

Advisor: R. Tracey

ENVIRONMENTAL SCIENCES OR
NATURAL RESOURCES
ASSOCIATE OF SCIENCE DEGREE
 WITH EMPHASIS ON TRANSFER
 PREPARATION

Courses Required:

Dept.	No.	Title	Units
BI	1A	General Biology - Principles	5
BI	1B	General Zoology	5
OR	BI 1C	General Botany (5)	
CH	1A	General Chemistry	5
OR	CH 3	Intro. General Chem (4)	
G	1	Physical Geology	3
OR	G 5	Environmental Geology (3)	
G	1L	Physical Geology Lab	1
OR	G 5L	Environmental Geol. Lab (1)	
NR	1	Conserv of Natural Resources	3
NR	1L	Conserv of Natural Res Lab	1
MATH	40	Intermediate Algebra	4
Required Subtotal			*26-27

ENVIRONMENTAL SCIENCES
OPTION

20 to 25 additional units to be chosen from the following (confer with Advisor):

Dept.	No.	Title	Units
BI	1B	General Zoology	5
BI	1C	General Botany	5
PH	2A	College Physics	4
PH	2B	College Physics	4
OR	PH	4A Engineering Physics (5)	
	PH	4B Engineering Physics (5)	
MATH	14	Statistical Methods	4
MATH	10	College Algebra	4
MATH	1A	Calculus	5
MATH	1B	Calculus	5
G	1	Physical Geology	3
G	1L	Physical Geology Lab I	1
G	5	Environmental Geology	3
G	5L	Environmental Geology Lab I	1
G	2	Historical Geology	4
AGPS	1	Soils and Plant Nutrition	4
AGPS	2	Entomology - Gen. & Applied	3
NR	2	Intro to Forestry	3
NR	3	Intro to Wildlife Management	3
ECON	1	Principles of Macroeconomics	3
GEOG	1	Physical Geography	3
Computer courses			3-6

For other course selections confer with advisor

Required Subtotal	*26-27
Elective Subtotal	20-25
General Education Requirements (confer with advisor)	14-18
DEGREE TOTAL	60-70

Advisors: G. Meyer, D. Walker

NATURAL RESOURCES OPTION

(SEE ADDITIONAL COURSES FOR
 NATURAL RESOURCES OPTION
 UNDER *AGRICULTURE*
 DEGREE PROGRAMS)

INTERDEPARTMENTAL
ENVIRONMENTAL STUDIES
ASSOCIATE OF SCIENCE DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION

Courses Required:

Dept.	No.	Title	Units
G	1	Physical Geology	3
G	1L	Physical Geology Lab	1
OR	G 5	Environmental Geology (3) and	
	G 5L	Environ. Geology Lab (1)	
OR	G 10	Earth Science (3) and	
	G 10L	Earth Science Lab (1)	
BI	1A	General Biology - Principles	5
OR	BI 4	Elements of Biology (3) and	
	BI 4L	Elements of Biology Lab (1)	
CH	3	Intro General Chemistry	4
OR	CH 4	Fund. of Chemistry (4)	
NR	1	Conserv of Natural Resources	3
NR	1L	Conserv of Natural Res Lab	1
GEOG	1	Physical Geography	3
MATH	10	College Algebra	4
Required Subtotal			23-24

A minimum of 26 additional units to be chosen from the following (confer with Advisor):

NR	2	Intro to Forestry	3
NR	3	Intro to Wildlife Management	3
AGPS	1	Soils and Plant Nutrition	4
AGPS	2	Entomology	3
OH	1	Horticulture	3
OH	1L	Horticulture Lab	1
GEOG	1	Cultural Geography	3
G	1,2,5,10	Geology Elective(s)	3-8
PS	1	Intro to Government	3
MATH	14	Statistical Methods	4
ECON	1	Principles of Macroeconomics	3
Architecture Elective(s)			2-6
Biology Elective(s)			3-8
Computer Courses			3-6
Speech Elective			3

Required Subtotal			23-24
Elective Subtotal			26-28
General Education Requirements			
(confer with advisor)			11-14
DEGREE TOTAL			60-66

Advisors: G. Meyer, D. Walker

GEOLOGY
ASSOCIATE OF SCIENCE DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION

(INCLUDES EARTH SCIENCE,
PALEONTOLOGY,
PHYSICAL OCEANOGRAPHY)

Courses Required:

Dept.	No.	Title	Units
CH	1A	General Chemistry	5
CH	1B	General Chemistry	5
PH	2A	College Physics	4
PH	2B	College Physics	4
OR	PH 4A	Engineering Physics (5)	
	PH 4B	Engineering Physics (5)	

(Physics requirement depends on transfer institution.)

BI	1A	General Biology	5
BI	1B	General Zoology	5
BI	1C	Gen. Botany (recommended) (5)	
MATH	1A	Calculus	5
MATH	1B	Calculus	5
G	1	Physical Geology	3
G	1L	Physical Geology Lab I	1
G	2	Historical Geology	4
G	3	Elementary Mineralogy	4

Consult course descriptions for prerequisites.

Required Subtotal			46-50
General Education Requirements			
(confer with advisor)			20-25
DEGREE TOTAL			66-71

Advisor: G. Meyer

(Consult with advisor before embarking on program.)

PHYSICS
ASSOCIATE OF SCIENCE DEGREE
 WITH EMPHASIS ON TRANSFER
 PREPARATION

Courses Required:

Dept. No.	Title	Units
MATH1A	Calculus	5
MATH1B	Calculus	5
MATH2A	Multivariate Calculus	5
MATH2C	Differential Equations	4
CH 1A	General Chemistry	5
CH 1B	General Chemistry	5
PH 4A	Engineering Physics	5
PH 4B	Engineering Physics	5
PH 5	Computer Programming I	3

(recommended)

Consult course descriptions for prerequisites.

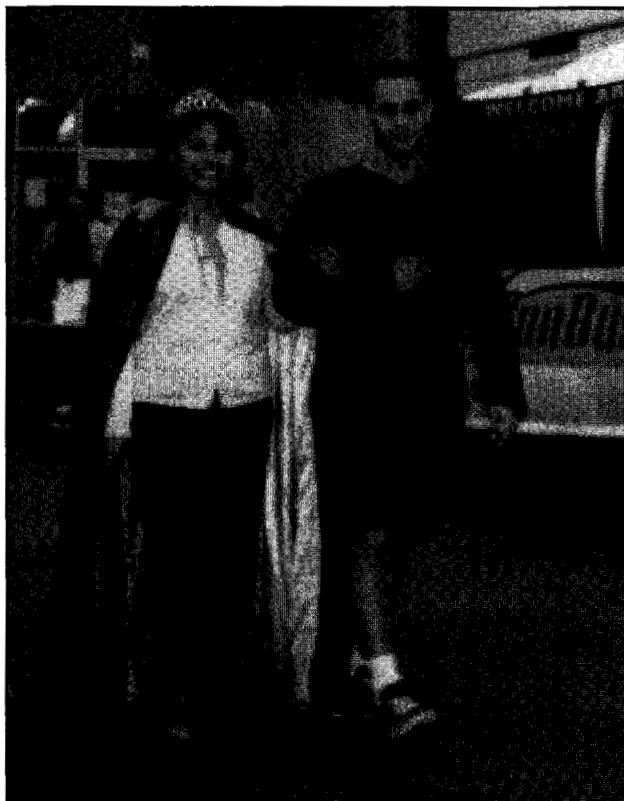
Required Subtotal 39-42

General Education Requirements

(confer with advisor) 25

DEGREE TOTAL 64-67

Advisor: M. Mason



SOCIAL SCIENCES

Instruction in the Social Sciences at College of the Desert includes the following subject areas: Anthropology, Geography, History, Philosophy, Political Science, Psychology, Sociology, and Social Science (General). Students majoring in these fields are usually preparing to transfer to a four-year college to complete their major. A few, not desiring a Bachelor's Degree, will, upon receiving an Associate in Arts Degree in a Social Science, work as a paraprofessional in their chosen field.

Once a student has decided upon a major, the student should confer with the appropriate advisor in planning a course of study. The Schedule of Classes contains a listing of the faculty advisors in each of these subject areas. It is also advisable that the college from which the student plans to get a Bachelor's Degree be selected early in order to coordinate graduation requirements for the A.A. Degree and the B.S. Degree.

ANTHROPOLOGY
ASSOCIATE OF ARTS DEGREE
 WITH EMPHASIS ON TRANSFER
 PREPARATION

Courses Required:

Dept. No.	Title	Units
ANTH 1	Human Evolution	3
ANTH 2	Cultural Anthropology	3
ANTH 3	Intro. to Archaeology	3

Required Subtotal 9

Elective Subtotal (with advisor approval) 12

General Education (Option 1* or 2) 34-43

*Transferable Electives (as needed) 3

Physical Education Activities 2

DEGREE TOTAL 60-66

Advisor: S. McWilliams

GEOGRAPHY
ASSOCIATE OF ARTS DEGREE
 WITH EMPHASIS ON TRANSFER
 PREPARATION

Courses Required:

Dept. No.	Title	Units
GEOG 1	Physical Geography	3
GEOG 2	Cultural Geography	3
GEOG 7	Regional Geography	3
GEOG 10	Geography of California	3
Required Subtotal		12
Elective Subtotal		9
General Education (Option 1* or 2)		34-43
*Transferable Electives (as needed)		3
Physical Education Activities		2
DEGREE TOTAL		60-66

Advisor: S. McWilliams

HISTORY
ASSOCIATE OF ARTS DEGREE
 WITH EMPHASIS ON TRANSFER
 PREPARATION

Courses Required:

Dept. No.	Title	Units
HIST 3	History of World Civilization I	3
HIST 4	History of World Civilization II	3
HIST 17	United States History	3
HIST 18	United States History	3
ANTH 1	Human Evolution	3
PHIL 10	General Logic	3
PS 1	Introduction to Government	3
Required Subtotal		21
General Education (Option 1* or 2)		34-43
*Transferable Electives (as needed)		3
Physical Education Activities		2
DEGREE TOTAL		60-66

Advisors: P. Atchity, W. Gudelunas, N. Thu

PHILOSOPHY
ASSOCIATE OF ARTS DEGREE
 WITH EMPHASIS ON TRANSFER
 PREPARATION

Courses Required:

Choose at least one from the following:

Dept. No.	Title	Units
PHIL 6	Introduction to Philosophy	3
PHIL 7	Introduction to Philosophy	3
PHIL 8	Philosophy from Ancient Times to Renaissance	3
PHIL 9	Philosophy from Renaissance to Present	3

Choose one from the following:

PHIL 10	General Logic	3
PHIL 11	Symbolic Logic	3

Required of all philosophy pre-majors:

CIS 70A	Computer Business Appl/Windows ..	3
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Required Subtotal	9
Elective Subtotal	12
General Education (Option 1* or 2)	34-43
*Transferable Electives (as needed)	3
Physical Education Activities	2
DEGREE TOTAL	60-66

*Recommended electives/general education courses:

HIST 3	History of World Civ.	3
HIST 4	History of World Civ.	3
ANTH 2	Cultural Anthropology	3
PSY 1	General Psychology	3
PHIL 12	Religions of the World	3
PHIL 13	Perspectives Death & Dying	3
PHIL 14	Introduction to Ethics	3

Advisor: C. Flatt

**POLITICAL SCIENCE
ASSOCIATE OF ARTS DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION**

Courses Required:

Dept. No.	Title	Units
PS 1	Intro. to Government	3
PS 2	Intro. to Comparative Gov't	3
OR PS 4	Intro. to Internat'l Relations (3)	
Social Science courses (confer w/advisor)		14-15
Required Subtotal		20-21
General Education (Option 1* or 2)		34-43
*Transferable Electives (as needed)		4
Physical Education Activities		2
DEGREE TOTAL		60-65

Advisors: P. Atchity, W. Gudelunas, N. Thu

**PSYCHOLOGY
ASSOCIATE OF ARTS DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION**

Courses Required:

Dept. No.	Title	Units
PSY 1	General Psychology	3
PSY 3	Developmental Psychology	3
SOC 1	Introduction to Sociology	3
SOC 3	Fundamentals of Statistics	3
OR MATH 14	Statistical Methods (4)	
Core Requirements Subtotal		12-13
Choose 11 additional units from the following (in consultation with advisor):		
BI 1A	General Biology (5)	
CIS 70A	Computer Business Appl/Windows (3)	
PSY 10	Psychological Aspects of Marriage and Family (3)	
PSY 12	Human Sexuality (3)	
PSY 20	Adolescent Psychology (3)	
PSY 33	Personal & Social Adjustment (3)	
Required Elective Subtotal		11
Required Subtotal		23-24
General Education (Option 1* or 2)		34-43
*Transferable Electives (as needed)		1
Physical Education Activities		2
DEGREE TOTAL		60-69

Advisors: R. Jordan, D. Mathewson

**SOCIAL SCIENCE
ASSOCIATE OF ARTS DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION**

Courses Required:

Dept. No.	Title	Units
PS 1	Introduction to Government	3
PS 2	Comparative Government	3
HIST 3	History of World Civ	3
PSY 1	General Psychology	3
ECON 1	Principles of Economics	3
HIST 18	United States History	3
PHIL 6	Introduction to Philosophy	3
Required Subtotal		21
General Education (Option 1* or 2)		34-43
*Transferable Electives (as needed)		3
Physical Education Activities		2
DEGREE TOTAL		60-66

Advisor: C. Flatt

**SOCIOLOGY
ASSOCIATE OF ARTS DEGREE
WITH EMPHASIS ON TRANSFER
PREPARATION**

Courses Required:

Dept. No.	Title	Units
SOC 1	Introduction to Sociology	3
ANTH 2	Cultural Anthropology	3
PHIL 10	General Logic	3
SOC 2	Social Problems	3
SOC 3	Fundamentals of Statistics	3
OR MATH 14	Statistical Methods (4)	
SOC 14	Minority Groups in Americas	3
PSY 1	General Psychology	3
Required Subtotal		21-22
General Education (Option 1* or 2)		34-43
*Transferable Electives (as needed)		3
Physical Education Activities		2
DEGREE TOTAL		60-67

Advisor: A. Saddington

STUDENT DEVELOPMENT

Student Development programs and courses are designed to prepare students for college experiences, academic achievement, and success in educational and occupational pursuits. Each course is designed to assist groups of students who share either common goals or common difficulties in reaching their goals.

New and re-entering students who might benefit from guidance in time management, study techniques, educational planning, setting realistic goals, changing careers, etc., are able to earn credit and reap personal benefits through Student Development courses.



THEATRE ARTS

THEATRE ARTS ASSOCIATE OF ARTS DEGREE WITH EMPHASIS ON TRANSFER PREPARATION

Required Core Curriculum:

Dept.	No.	Title	Units
TA	1	Introduction to Theatre	3
TA	2A	Acting I	3
TA	9A	Stagecraft I	3
TA	22A	Play Production - Acting	3
OR TA	32A	Play Production - Technical (3)	
Total Theatre Arts Core Curriculum			12

Theatre Arts Major/Emphasis in Acting:

Core Curriculum			12
TA	3A,B	Acting II	6
TA	22B	Play Production - Acting	3
TA	69A	Dramatic Literature	3
TA	80A	Theatre Makeup	3
Theatre Total			27

Theatre Arts Major/Emphasis in Musical Theatre:

Core Curriculum			12
TA	26A	Play Production - Dance	3
TA	51A,B	Theatre Dance	4
TA	90A-D	Musical Theatre Workshop	4
MUS	22A,B	Class Voice	4
Theatre Arts Total			27

Theatre Arts Major/Emphasis in Technical Theatre:

Core Curriculum			12
TA	10A	Stagecraft II	3
TA	32B	Play Production - Technical	3
TA	60A	Scene Design I	3
TA	62A	Theatre Lighting I	3
TA	70A	Theatre Sound	3
Theatre Arts Total			27

Theatre Arts Subtotal	27
General Education (Option 1 or 2)	34-43
Physical Education Activities	2
DEGREE TOTAL	63-72

Advisor: T. Nicholson

COOPERATIVE WORK EXPERIENCE EDUCATION

Cooperative Work Experience Education is an important component of the education and training that students receive at College of the Desert. The purpose of the Cooperative Work Experience Education program is to familiarize students to the real world of work and enable them to integrate their classroom learning to a real work environment. The linkage effectively prepares and develops the participants for the world of work and makes them experienced employees. Students have the opportunity to earn college credit for participation in a paid or unpaid work or job training activity.

TWO TYPES OF COOPERATIVE WORK EXPERIENCE EDUCATION

1. **General Work Experience Education** is supervised employment of students with the intent to assist them in acquiring desirable work habits, attitudes and career awareness. Students' jobs need not be directly related to their educational goals.
2. **Occupational Work Experience Education** is supervised employment of students designed to extend their classroom-based occupational learning at an on-the-job learning station in fields directly related to their educational or occupational goals. Cooperative Work Experience can be carried out under either of two different plans:
 - A. *Parallel Plan* is general or occupational Cooperative Work Experience Education offering students the opportunity to attend college classes and earn college credit for concurrent learning on the job.
 - B. *Alternate Plan* is the type of Cooperative Work Experience Education designed to allow students to attend college full-time one semester and work full-time the following semester.

For the satisfactory completion of *all* types of Cooperative Work Experience Education, students may earn up to a total of 12 semester credit hours, **subject to the following limitations:**

1. **General Work Experience Education.**
 - A. *Parallel Plan.* A maximum of three credit hours per semester may be earned up to a total of six credit hours.
 - B. *Alternate Plan.* A maximum of six credit hours per semester may be earned.
2. **Occupational Work Experience Education.**
 - A. *Parallel Plan.* A maximum of four credit hours per semester may be earned up to a total of 12 credit hours.
 - B. *Alternate Plan.* A maximum of eight credit hours per semester may be earned up to a total of 12 credit hours.

Students may utilize their present work sites for improving skills or choose job placement assistance in another area through the Co-op Office. Certain volunteer training activities may also qualify for college credit through Co-op provided that meaningful objectives are set and accomplished.

The following are the benefits and experiences that students can gain through participation in Co-op.

- Practical work experience
 - Practical training opportunity to apply classroom learning on the job
 - Valuable contacts for employment
 - Valuable opportunity to enhance interpersonal, intrapersonal and communication skills
 - College credit and compensation while engaged in Cooperative Education
 - Opportunity to discover individual interests and capabilities
 - Opportunity to familiarize with the state of the art technology, equipment and current practices
 - Orientation to a dynamic world of work
 - By earning college credit, progress toward graduation
-

- All CSU campuses accept COD Work Experience units for transfer credit. (*There are CSU campus limits on the maximum number of Work Experience transfer units accepted .*)

Co-op participants are required to complete 75 hours of a paid activity or 60 hours of unpaid volunteer work, plus completion of the objectives, in order to receive one unit of college credit.

CO-OP ELIGIBILITY

In order to be eligible for Cooperative Education, students must:

1. Be enrolled as a College of the Desert student in 7 or more units of credit including work experience.
2. Spend at least five (5) hours a week at a training site.
3. Pursue a planned program of Cooperative Education which includes new or expanded responsibilities or learning opportunities beyond those of previous employment and training.

HOW TO ENROLL

- Call the COD CalWORKs Work Experience/Case Management Office at (760) 776-0186 for information, if you would like to register prior to orientation.
- Must attend one of the orientation sessions listed in the Work Experience section of the current class schedule.
- Go to the CalWORKs/Work Experience Office and complete the required paperwork. (Eastern Valley students may attend the orientation at Indio High School and complete their paperwork at the EVC CalWORKs Outreach Office at The Commercenter).

More information is available through the COD Co-op Office, (760) 773-2508. The office is open Monday through Friday from 8:30 a.m. to 5:00 p.m.



A : ASTRONOMY**A 1 DESCRIPTIVE ASTRONOMY**

3 Units
Lecture: 3 hours

This course is an introductory survey of planetary, stellar and galactic astronomy, designed for students not majoring in science. It reviews research techniques, current knowledge and theory about the planets, stars, galaxies, and the age and origin of the universe.

CSU, UC, Associate Degree Applicable

A 1L DESCRIPTIVE ASTRONOMY LAB

1 Unit
Laboratory: 3 hours

This is an introductory laboratory course featuring practical use of the telescope, an introduction to the geography of the sky, and applications of astronomical methods involving projects performed by the student.

Corequisite: A1 or prior completion
CSU, UC, Associate Degree Applicable

A 51 INTRODUCTION TO ASTRONOMY

1 Unit
Lecture: 1 hour

This course is a survey of modern astronomy and space science with an emphasis on the place of humanity in the universe and the possibility of life on other worlds. Some of the topics discussed will be: modern research instruments and techniques, exploding galaxies, quasars, pulsars, black holes, the manned space program, and the beginning and end of the universe.

CSU, Associate Degree Applicable

AGR: AIR CONDITIONING/HVAC**ACR 60 AIR CONDITIONING/
REFRIGERATION I**

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course introduces students to the mechanical refrigeration cycle and its components. The use of specialized tools, instruments and service procedures for installation, maintenance and repair of air conditioning and refrigeration equipment are also covered.

Prerequisite: ENG 50 or equivalent; MATH 57 or equivalent
Advisory: Concurrent enrollment in ACR 64
Associate Degree Applicable

**ACR 61 AIR CONDITIONING/
REFRIGERATION II**

3 Units
Lecture: 2 hours
Laboratory: 3 hours

Basic types of compressors are introduced. This course covers operation of condensers within the refrigeration system. Basic evaporation process is studied. Metering devices are included with an emphasis on the specifics of modulating and fixed orifice controls. Laboratory experience provides the student an opportunity to practice the methods and techniques presented in the classroom.

Prerequisites: ACR 60
Advisory: Prior or concurrent enrollment in ACR 64
Associate Degree Applicable

ACR 62 AIR CONDITIONING III

3 Units
Lecture: 3 hours

This course covers air conditioning controls, refrigeration cycle accessories, heat pump theory, defrost, troubleshooting heat pumps, troubleshooting residential cooling system, evaporative cooling, air duct sizing and venting.

Prerequisites: ACR 61
Associate Degree Applicable

ACR 63 AIR CONDITIONING IV

3 Units
Lecture: 3 hours

This course emphasizes air properties (psychrometrics) and air measurements, air conditioning tune-up, troubleshooting air conditioning systems, compressor and condenser replacement and charging procedures.

Prerequisites: ACR 62 and ACR 65 or equivalent field experience
Associate Degree Applicable

**ACR 64 AIR CONDITIONING/
REFRIGERATION ELECTRICITY I**

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course introduces basic theory of electricity and electronics, skills needed to install and service electrical circuits of air conditioning and refrigeration systems. Also included are components and symbols, wiring diagrams, and wiring diagram exercises.

Prerequisite: ENG 50 or equivalent; MATH 57 or equivalent
Advisory: Concurrent enrollment in ACR 60
Associate Degree Applicable

**ACR 65 AIR CONDITIONING/
REFRIGERATION ELECTRICITY II**

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course introduces the procedures, techniques and instruments utilized for trouble shooting the motors, circuitry and control elements for air conditioning and refrigeration equipment. Variations in control systems, including solid state, are described and analyzed.

Prerequisite: ACR 64
Associate Degree Applicable

**ACR 66 AIR CONDITIONING LOAD
ESTIMATING**

1 Unit
Lecture: 1 hour

In this course students are presented the techniques for determining heating and cooling loads on residential and light commercial buildings. The class uses the industry accepted ACCA Manual J for residential load estimating with the appropriate forms.

Prerequisite: ENG 50 or equivalent; MATH 57 or equivalent

Advisory: ACR 60
Associate Degree Applicable

**ACR 67 REFRIGERATION LOAD
ESTIMATING**

1 Unit
Lecture: 1 hour

The students will perform heat load calculations, equipment selection and pipe layout and sizing for commercial refrigeration applications using current field techniques.

Prerequisite: ENG 50 or equivalent; MATH 57 or equivalent

Advisory: ACR 60
Associate Degree Applicable

ACR 68 AIR DISTRIBUTION SYSTEMS

1 Unit
Lecture: 1 hour

This course provides the techniques and procedures used in layout, sizing and materials estimating for residential and light commercial duct systems.

Prerequisite: ACR 60
Associate Degree Applicable

**ACR 69 COST ESTIMATING FOR AIR
CONDITIONING/REFRIGERATION**

1 Unit
Lecture: 1 hour

This course provides the methods and techniques employed in the field for estimating costs and bidding on typical service, unit replacement and new construction involving air conditioning and refrigeration equipment. The student becomes familiar with the operating expenses, income and profit structure of typical air conditioning and refrigeration contracting businesses.

Prerequisite: ENG 50 or equivalent; MATH 57 or equivalent

Advisory: ACR 60
Associate Degree Applicable

**ACR 70A,B AIR CONDITIONING/
REFRIGERATION SPECIAL PROJECT**

1 Unit
Laboratory: 3 hours

In these courses, the student utilizes the air conditioning/refrigeration lab facilities, the library and outside resources to complete a special project assigned in conjunction with the coursework for ACR 62 or ACR 63.

Prerequisite: ACR 60, 61, 64
Corequisite: ACR 62 or ACR 63
Associate Degree Applicable

ACR 73 PNEUMATIC CONTROL

1 Unit
Lecture: 1 hour

This course provides students with an understanding of pneumatic control systems. The application, operation, selection of components, and service procedures for pneumatic control systems are presented. The use of special pneumatic test instruments is introduced.

Prerequisite: ACR 60 and ACR 64
Associate Degree Applicable

**ACR 74 AIR CONDITIONING/
REFRIGERATION SYSTEM
ACCESSORIES**

2 Units
Lecture: 2 hours

This course provides descriptions of the operation, installation, service and repair of accessory equipment commonly used to improve operating performance, to enhance efficiency or to provide operational flexibility of air conditioning systems.

Prerequisite: ACR 60 and ACR 64
Associate Degree Applicable

ACR 81 HEATING I

2 Units

Lecture: 1.5 hours

Laboratory: 1.5 hours

This course presents the basic principles of physics, chemistry and engineering involved in the concept of gas-fired furnaces. Students are introduced to gas heating, principles of gas combustion, gas furnaces, gas burners and gas controls.

Prerequisite: ACR 60 and ACR 64, or 2 years trade experience

Associate Degree Applicable

ACR 82 HEATING II

2 Units

Lecture: 1.5 hours

Laboratory: 1.5 hours

In this course, students are introduced to gas ignition systems, safety and operating controls, installation practices, ventilation and combustion air and gas troubleshooting.

Prerequisite: ACR 81

Associate Degree Applicable

AGBU: AGRICULTURE/BUSINESS

AGBU 3 INTERNATIONAL AGRICULTURE

3 Units

Lecture: 3 hours

This course is designed to survey the world's food production system in terms of economic, political and cultural forces. It also emphasizes sustainable production of agricultural products.

Prerequisite: ENG 50 or equivalent

CSU, UC, Associate Degree Applicable

AGBU 11 MANAGEMENT RECORDS

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course encompasses the study of employer requirements, business records and accounting procedures to analyze and enhance management decisions.

Prerequisite: ENG 50 or equivalent

CSU, Associate Degree Applicable

AGBU 59A LEADERSHIP

1 Unit

Lecture: 1 hour

This course emphasizes basic principles of group and personal leadership for student within applied technology

areas. Students study parliamentary procedure, organizational structure and meeting formats. Opportunities are provided for students to develop leadership skills, such as planning, communication, facilitation and problem solving through small group and formal meeting settings. In addition, concepts of personal leadership are explored including: mission statements, defining roles, goal setting, time management, weekly planning and self-evaluation.

Advisory: ENG 50 or equivalent

CSU, Associate Degree Applicable

AGBU 59B CAREERS

1 Unit

Lecture: 1 hour

This course emphasizes basic methods for enhancing one's success when seeking employment. Students study strategies for locating potential employers, completing applications, preparing resumes and interview techniques. Opportunities are provided for students to experience interview process.

Advisory: ENG 50 or equivalent

CSU, Associate Degree Applicable

AGEG: AGRICULTURE/ENGINEERING

AGEG 91 BASIC HYDRAULICS

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course is designed to familiarize the student with theory, application, and component parts of hydraulic systems.

CSU, Associate Degree Applicable

AGPS: AGRICULTURE/PLANT SCIENCE

AGPS 1 SOILS AND PLANT NUTRITION

4 Units

Lecture: 3 hours

Laboratory: 3 hours

This lecture and laboratory course covers: soil, derivation, classification, texture, structure, water movement and measurement, organic matter, microorganisms, sampling techniques, pH, salinity, reclamation and tillage. Also included are: soil survey reports and maps, basic soil chemistry, essential plant nutrients, soil analysis, and fertilizers.

Prerequisite: ENG 50 or equivalent; MATH 57 or equivalent

CSU, UC, Associate Degree Applicable

AGPS 2 ENTOMOLOGY-GENERAL AND APPLIED

4 Units
Lecture: 3 hours
Laboratory: 3 hours

This course is a study of insects including classification, structure, major life systems, growth and development, ecology, economic importance, and control. Suggested for Biological Science General Education Requirements.

Prerequisite: ENG 50 or equivalent
CSU, UC, Associate Degree Applicable

AGPS 5 PLANT SCIENCE

3 Units
Lecture: 3 hours

This course offers an opportunity to learn the basic structure and function of plants, their place in the world of human activity and the methods used to manipulate the botanical world to human advantage. Students can expect to be exposed to plant anatomy, morphology and physiology as well as such practical matters as plant propagation, pruning and fertilization.

Prerequisite: ENG 50 or equivalent
CSU, UC, Associate Degree Applicable

AGPS 5L PLANT SCIENCE LAB

1 Unit
Laboratory: 3 hours

This laboratory is the companion of AGPS 5. It provides an introduction to biological science procedures as well as direct experience with horticultural operations. Included are plant propagation, pruning, anatomy, morphology, taxonomic keys, transplanting and plant use and pesticides.

Corequisite: AGPS 5 or prior completion
CSU, UC, Associate Degree Applicable

AGPS 30 AGRICULTURAL CHEMICAL APPLICATION AND SAFETY

4 Units
Lecture: 3 hours
Laboratory: 3 hours

This course covers proper and safe methods of applying agricultural chemicals. Students will learn to measure areas to be treated, calculate the amount of material needed, choose the appropriate application method and equipment, follow proper mixing procedures, calibrate and operate application equipment efficiently and safely, and service equipment before and after use. State and federal laws regulating the use of agricultural chemicals

are studied, and students are prepared to take the California Certified Applicator examinations.

Advisory: ENG 50 or equivalent; MATH 57 or equivalent
CSU, Associate Degree Applicable

AGPS 32 PESTICIDE LAWS & REGULATIONS

2 Units
Lecture: 2 hours

This course covers state and federal laws regulating the use of pesticides and prepares students to take California's Certified Applicator examinations. Proper and safe methods of applying agricultural chemicals are discussed, along with procedures for calculating the amount of material needed. In addition, students study alternative pest control methods.

Advisory: ENG 50 or equivalent
CSU, Associate Degree Applicable

AJ: ADMINISTRATION OF JUSTICE

AJ 1 INTRODUCTION TO THE ADMINISTRATION OF JUSTICE (CAN AJ 2)

3 Units
Lecture: 3 hours

This is a study of the History and Philosophy of Administration of Justice in America. It includes a recapitulation of the system, identification of the various sub-systems, role expectations, and their inter-relationships. It covers theories of crime, punishment, and rehabilitation; ethics, education and training for professionals in the system.

Prerequisite: ENG 50 or equivalent
CSU, UC, Associate Degree Applicable

AJ 2 CRIMINAL LAW (CAN AJ 4)

3 Units
Lecture: 3 hours

This is a study of the historical development, philosophy of law and constitutional provisions, definitions, classification of crimes, and their application to the system of administration of justice. It includes legal research, study of case law, methodology, and concepts of law as a social force.

Prerequisite: AJ 1
CSU, UC, Associate Degree Applicable

AJ 3 LEGAL ASPECTS OF EVIDENCE

3 Units

Lecture: 3 hours

This course includes a study of the origin, development, philosophy and constitutional basis for the Rules of Evidence. It includes constitutional and procedural considerations affecting search and seizure, the kinds of degrees of evidence and the rules governing admissibility at trial, and judicial decisions interpreting individual rights and case studies.

Prerequisite: AJ 1

CSU, Associate Degree Applicable

AJ 4 PRINCIPLES & PROCEDURES OF THE JUSTICE SYSTEM

3 Units

Lecture: 3 hours

This is an in-depth study of the role and responsibilities of each segment within the Administration of Justice System, Law Enforcement, Judicial and Corrections. It includes exposure to past, present and future sub-system procedures from initial entry to final disposition, and the relationship each segment maintains with its system members and the community.

Prerequisite: AJ 1

CSU, Associate Degree Applicable

AJ 5A MULTICULTURAL ISSUES WITHIN PUBLIC SAFETY

3 Units

Lecture: 3 hours

The purpose of this course is to present students with a perspective of major cultural groups in California that transcends the views commonly found in society. The course explores how differences in culture, ethnicity, race, prejudice, and ethnocentrism are addressed in the Justice System.

Advisory: ENG 50 or equivalent

CSU, UC, Associate Degree Applicable

AJ 6 PRINCIPLES OF INVESTIGATIONS

3 Units

Lecture: 3 hours

This course includes the study of basic principles of all types of investigations utilized in the Justice System. Coverage includes human aspects in dealing with the public, specific knowledge necessary for handling crime scenes, interviews, evidence, surveillance, follow-up, technical resources, and case preparation.

Prerequisite: AJ 1

CSU, Associate Degree Applicable

AJ 7 CRIMINAL SUBSTANTIVE LAW

3 Units

Lecture: 3 hours

This is an in-depth study of the substantive laws commonly encountered by the municipal, county, or state police officer, investigator or other criminal justice employee. The scope of the course includes misdemeanor and felony violations of the criminal statutes, provides an understanding of California Codified Law, and an overview of case decisions.

Prerequisite: AJ 1

CSU, Associate Degree Applicable

AJ 8 CONCEPTS OF ENFORCEMENT SERVICES

3 Units

Lecture: 3 hours

Topics discussed in this course include: exploration of theories, philosophies, and concepts related to the role expectations of the line enforcement officer which include patrol, traffic, and public service responsibilities.

Prerequisite: AJ 1

CSU, Associate Degree Applicable

AJ 9 TRAFFIC CONTROL

3 Units

Lecture: 3 hours

Students study basic accident investigation, the use of the State Accident Report Form, the principles of "selective" enforcement, parking and intersection control, basic provisions of the California Vehicle Code governing the operation of motor vehicles, and the responsibilities of the community in traffic control.

Prerequisite: AJ 1

CSU, Associate Degree Applicable

AJ 10 JUVENILE LAW AND PROCEDURE

3 Units

Lecture: 3 hours

This course introduces major types of criminal behavior, role careers of offenders and factors which contribute to criminality or delinquency. It covers methods used in dealing with offenders in the justice system; the changing role of law enforcement and judicial, probation, parole and institutions; changes of the law in crime control and treatment processes, and techniques of handling juveniles.

Prerequisite: AJ 1

CSU, Associate Degree Applicable

AJ 11A-D FIREARMS

1 Unit

Lecture: 0.75 hour

Laboratory: 0.75 hour

This course includes the elementary use of all types of firearms including safety, range techniques, etiquette and basic fundamentals of firing with actual use of firearms. Lectures on firearms topics, safety, nomenclature, use and laws relating to firearms are included.

Prerequisite: ENG 50 or equivalent
 CSU, Associate Degree Applicable

AJ 14 CRIME SCENE AND LABORATORY TECHNIQUES

3 Units

Lecture: 3 hours

This course provides an introduction to the field of criminalistic. The role of the laboratory, limits of scientific conclusions, technical equipment, examining physical evidence, common types of cameras, darkroom techniques and fingerprints are included.

Prerequisite: ENG 50 or equivalent
 Associate Degree Applicable

AJ 15 VEHICLE CODE & TRAFFIC ACCIDENT INVESTIGATION (Copper Mountain only)

3 Units

Lecture: 3 hours

This course examines the relationship between vehicle code violations and traffic collisions. Emphasis will be placed on determining fault at collision scenes. Vehicle Code sections will be discussed and enforcement guidelines for these sections will be defined.

Prerequisite: ENG 50 or equivalent
 CSU, Associate Degree Applicable

AJ 16 NARCOTICS CONTROL

3 Units

Lecture: 3 hours

This is a study of the laws relating to narcotics and dangerous drugs as well as the procedures and problems in investigations and the control of violations of narcotic laws. Students learn how to identify narcotics and dangerous drugs, how to assess their effect on users, and how to prepare a case for court presentation.

Prerequisite: AJ 1

CSU, Associate Degree Applicable

AJ 17 WILDLIFE LAW ENFORCEMENT

3 Units

Lecture: 3 hours

This course provides information relating to wildlife law enforcement in the United States and California. Topics studied include: the relationships between Federal and State wildlife laws and regulations, laws as a wildlife management tool, perpetuating wildlife resources, qualifications of wildlife law enforcement officers, duties and responsibilities, enforcement procedures, court systems, fines and forfeitures, hunter safety program, public responsibilities, preservation of the environment and conserving wildlife.

Prerequisite: ENG 50 or equivalent
 Associate Degree Applicable

AJ 18 CONSTITUTIONAL LAW FOR POLICE

3 Units

Lecture: 3 hours

This course covers the analysis of Constitutional provisions and appellate court decisions. Specific topics studied include history of the United States Constitution, freedom of speech, press and assembly, authority to detain and arrest, search and seizure, wiretapping, eavesdropping and visual surveillance, interrogations and confessions, self incrimination, assistance of counsel, multiple prosecutions, right to a fair trial, and civil rights.

Prerequisite: ENG 50 or equivalent
 Associate Degree Applicable

AJ 19 PEACE OFFICER: ARREST/ FIREARMS PC 832 LEVEL III

4 Units

Lecture: 4 hours

This course provides training required by Penal Code Section 832 for peace officers including: ethics, discretionary decision making, arrest, search and seizure, law evidence, investigations, communications and firearms.

Prerequisite: ENG 50 or equivalent
 Associate Degree Applicable

AJ 20 PEACE OFFICER RESERVE/LEVEL II

5 Units

Lecture: 5 hours

Laboratory: 0.5 hour

This course provides training required by Penal Code Section 832, mandated by P.O.S.T. for reserve officers, including law, communications, vehicle operations, use of force and weapons, patrol procedures, traffic control,

arrest and custody of suspects. To comply with the agreement with P.O.S.T., this course must meet a minimum of ninety-nine (99) hours; ninety (90) hours lecture and nine (9) hours laboratory.

Prerequisite: AJ 19
Associate Degree Applicable

**AJ 22 POLICE SUPERVISION
(Copper Mountain only)**

3 Units
Lecture: 3 hours

This course covers the duties and responsibilities of the Police Supervisor. It is directed to the supervisor's relationship to management, leadership, morale, discipline, communications principles and performance evaluation. It also covers the practical aspects of the supervisory training function.

Prerequisite: ENG 50 or equivalent
CSU, Associate Degree Applicable

AJ 24 REPORT WRITING

3 Units
Lecture: 3 hours

This course emphasizes the procedures and practices commonly used to gather data and information and prepare a variety of written reports and records. Students learn to write criminal justice reports that meet statistical, legal, and prosecution requirements of the criminal justice system. The course provides students with abundant practice in writing effective reports, bulletins, memos, letters, and other short papers.

Prerequisite: AJ 1
CSU, Associate Degree Applicable

AJ 30 CORRECTIONAL SYSTEMS

3 Units
Lecture: 3 hours

Criminals and institutional personnel involved in corrections at all levels are reviewed in depth. History, politics, and contemporary correction issues such as punishment, theories, sentencing alternatives, prison experience, and prisoner rights, female and juvenile incarceration problems, over crowding, and 21st century corrections are examined.

Prerequisite: AJ 1
CSU, Associate Degree Applicable

ANTH: ANTHROPOLOGY

**ANTH 1 HUMAN EVOLUTION: INTRO TO
PHYSICAL ANTHROPOLOGY
(CAN ANTH 2)**

3 Units
Lecture: 3 hours

This course is a study of the origins of humans and their place in nature. Topics emphasized include the mechanisms of biological evolution, the physical form and behavior of the nonhuman primates, the fossil record of early humans and our current racial variability. This course meets the California State Universities and Colleges General Education requirement (Area B#2) for a course on the "Physical Universe and Life Forms".

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

**ANTH 2 CULTURAL ANTHROPOLOGY
(CAN ANTH 4)**

3 Units
Lecture: 3 hours

This course is a topical introduction to the cross-cultural study of human societies. Among the topics discussed are food-getting practices, marriage customs, kinship systems, social organization and supernatural beliefs. Also emphasized are theories of culture and the nature of cultural change.

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

**ANTH 3 INTRODUCTION TO
ARCHAEOLOGY
(CAN ANTH 6)**

3 Units
Lecture: 3 hours

This course is an introduction to human prehistory spanning the period from the earliest toolmakers to the recent past. It seeks both to describe and explain human cultural developments from data collected on all continents. The tools, techniques and methodologies of archaeological investigations are examined and evaluated.

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

ARCH: ARCHITECTURE**ARCH 1 INTRODUCTION TO ARCHITECTURAL PROFESSIONS**

3 Units

Lecture: 3 hours

This course provides students with an overview of professional occupations in Architecture, Landscape Architecture, Construction Management, City and Regional Planning, and Architectural Engineering.

Prerequisite: ENG 50 or equivalent
CSU, UC, Associate Degree Applicable

ARCH 2 MATERIALS OF CONSTRUCTION

4 Units

Lecture: 3 hours

Laboratory: 3 hours

This course is an introduction to construction materials and processes. Lab demonstrations in construction techniques and field trips to construction sites will be utilized to assist students' understanding of construction principles and practices. Emphasis on the selection of materials in a design context will help develop students' spatial and three dimensional skills.

Prerequisite: ENG 50 or equivalent
CSU, Associate Degree Applicable

ARCH 3A ARCHITECTURAL PRACTICE I

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This is an introductory course in wood construction methods and processes. It focuses on the use of drafting tools, office equipment and references to assist in selection and drawing of architectural details, including foundation, floors, walls and roofs.

Prerequisite: DRA 1 or equivalent
Advisory: Concurrent enrollment in ARCH 2
CSU, Associate Degree Applicable

ARCH 3B ARCHITECTURAL PRACTICE II

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This is an advanced drafting course for Architecture, Construction Management and Architectural Engineering majors. It is a comprehensive study of the development of construction documents. It is a

continuation of the content and issues introduced in ARCH 3A, plus the systems and integration of CAD technology used to document 2-dimensional designs, i.e.; site plan, floor plans, exterior elevations, roof plan, sections and architectural details.

Prerequisite: ARCH 3A or equivalent
Advisory: Concurrent enrollment in DRA 8
CSU, Associate Degree Applicable

ARCH 5 INTRODUCTION TO DRAWING AND PERSPECTIVE

2 Units

Laboratory: 6 hours

This course is the first in a series of three graphics courses. It is an introduction to basic techniques used for graphic communication in the design professions. It includes the study of orthographic and isometric projections, mechanical and freehand perspectives, shading, shadows and reflection.

Prerequisite: ARCH 3A or equivalent
CSU, UC, Associate Degree Applicable

ARCH 6 ARCHITECTURAL DELINEATION

2½ Units

Lecture: 1 hour

Laboratory: 4.5 hours

This course is a continuation of ARCH 5, and is the second in a series of three graphics courses. It focuses on drawing and sketching as a communication tool in the field of environmental design. Student development of basic skills in architectural illustration and proper use of various drawing media are emphasized.

Prerequisite: ARCH 5 or equivalent
CSU, UC, Associate Degree Applicable

ARCH 7 DESCRIPTIVE DRAWING & GRAPHIC ANALYSIS

2 Units

Laboratory: 6 hours

This course is the final in a series of three graphic courses. It provides the student further development of freehand graphic communication skills used in environmental design. Representation of conceptual ideas, analysis and design concepts are used to demonstrate the link between graphics, design process and communication.

Prerequisite: ARCH 6 or equivalent
CSU, UC, Associate Degree Applicable

**ARCH 8 ARCHITECTURAL DESIGN
FUNDAMENTALS I**

3 Units
Lecture: 1 hour
Laboratory: 6 hours

This course is an introductory study of design problems in three dimension. The concept of space, form, structure, color and materials are studied in addition to the universal principles common to all design disciplines. This course focuses on the analysis of design techniques, and exercises to develop students' skills. Required for all Environmental Design majors.

Prerequisite: ARCH 3A
CSU, UC, Associate Degree Applicable

**ARCH 9 ARCHITECTURAL DESIGN
FUNDAMENTALS II**

3 Units
Lecture: 1 hour
Laboratory: 6 hours

This is the second in a three-semester sequence of design courses. This course is a case-study application of design theories of the 20th Century and their impact on contemporary spatial and conceptual ideas permeating architecture, art and the environment.

Prerequisite: ARCH 8
CSU, UC, Associate Degree Applicable

**ARCH 10 ENVIRONMENTAL CONTROL
SYSTEMS**

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course is an introduction to the physical relationships between people and their environment. It includes a study of the physical phenomena of heat, light, and sound. This course also examines the climatological relationship between vernacular building solutions and the natural conditioning systems of architecture.

Prerequisite: ARCH 2
CSU, Associate Degree Applicable

**ARCH 11 ARCHITECTURAL BLUEPRINT
READING**

3 Units
Lecture: 3 hours

This course is a study of basic information for reading blueprints and construction drawings. It is designed for those who must assimilate information found in working drawings and specifications.

Prerequisite: ENG 50 or equivalent
CSU, Associate Degree Applicable

ARCH 12 CONSTRUCTION ESTIMATING

2 Units
Lecture: 2 hours

This course covers methods used in estimating cost and quantities involved in construction materials, equipment and labor.

CSU, Associate Degree Applicable

ARCH 14 HISTORY OF ARCHITECTURE I

3 Units
Lecture: 3 hours

This is an introductory course in the history of architecture. It examines Western ideals from the beginning of time to Classical Greece and Rome. The course covers architecture from the birth of Christianity and the Age of Reason, through the discovery of the New Worlds and periods of transition to Modernism and Post-Modernism, to the present

Prerequisite: ENG 50 or equivalent
CSU, UC, Associate Degree Applicable

ARCH 15 ELEMENTARY STRUCTURES

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course is for advanced Architecture, Architectural Engineering and Construction Management students. It is a study of forces on building structures; shear and bending moment diagrams, static equilibrium and stability of structural systems.

Prerequisite: ARCH 2 or equivalent
CSU, Associate Degree Applicable

**ARCH 17 ARCHITECTURAL DESIGN
FUNDAMENTALS III**

3 Units
Lecture: 1 hour
Laboratory: 6 hours

This is the final course in a three-semester design series. It focuses on the application of both theoretical and environmental issues involved in the Student Design Competitions. Students study site and environmental issues and architectural programming as design stimulus.

Prerequisite: ARCH 9, ARCH 10 or equivalent
Advisory: Concurrent enrollment in ARCH 7
CSU, UC, Associate Degree Applicable

ART: ART**ART 1A DRAWING AND COMPOSITION**

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This is a basic course in the principles, theories and techniques of drawing and composition. Perspective drawing, organization, and rendering techniques are investigated.

CSU, UC, Associate Degree Applicable

ART 1B DRAWING AND COMPOSITION

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This is an intermediate course in the principles, theories, and techniques of drawing and composition. Students work with pencil, charcoal, pen and ink, and ink washes.

Prerequisite: ART 1A or equivalent
CSU, UC, Associate Degree Applicable

ART 1C DRAWING AND COMPOSITION

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course offers advanced study of drawing problems with an emphasis on color media.

Prerequisite: ART 1B or equivalent
CSU, UC, Associate Degree Applicable

ART 1D DRAWING AND COMPOSITION

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course offers special studies of advanced drawing problems. Student assignments encourage creativity through individual expression and portfolio development.

Prerequisite: ART 1C or equivalent
CSU, UC, Associate Degree Applicable

ART 2A HISTORY OF ART

3 Units
Lecture: 3 hours

This survey course examines the art of the ancient world. Slide illustrated lectures and videotapes are used in the study of the architecture, sculpture, painting, and other visual art forms of Prehistoric and Primitive peoples, as well as the art of the Ancient Near East, Egyptian, Aegean, Greek, Etruscan, Roman, Early Christian and Byzantine cultures.

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

ART 2B HISTORY OF ART

3 Units
Lecture: 3 hours

This survey course examines the art of the Western World from the Early Middle Ages through the Baroque era. Illustrated lectures and videotapes are used in the study of the architecture, sculpture, painting and other visual art forms of the Early Medieval, Romanesque, Gothic, Late Gothic, Early and High Renaissance, Northern Renaissance, Mannerist, Baroque and Rococo periods.

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

ART 2C HISTORY OF MODERN ART

3 Units
Lecture: 3 hours

The art of Europe and America from the nineteenth century to the present is examined in this course. Illustrated lectures on significant movements in painting, sculpture, and architecture of this period include: Romanticism, Realism, Impressionism, Expressionism, Cubism, Dada, Surrealism, Abstract Expressionism, Pop Art, and contemporary directions.

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

**ART 2D HISTORY OF POSTMODERN ART
(Art Since 1960)**

3 Units
Lecture: 3 hours

This course examines the art of Europe and America from 1960 to the present. Illustrated lectures and on-sight viewing of art works focus on significant movements in painting, sculpture, and architecture of this period which include Pop Art, Op Art, Earth Works, Performance Art, Graffiti Art, Installation Art, Conceptual Art, Environmental Art, New Realism, ethnicity and gender issues.

Advisory: ENG 50
CSU, Associate Degree Applicable

ART 3A BASIC DESIGN AND COLOR

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This is a beginning course in the study of visual elements and organizational principles. Through a study of shape, texture, line, space, and color, students gain experience in organizing their thoughts and in solving design problems.

CSU, UC, Associate Degree Applicable

ART 3B THREE-DIMENSIONAL DESIGN

3 Units
Lecture: 2 hours
Laboratory: 3 hours

Students in this course investigate factors determining the designs of both the utilitarian and non-utilitarian objects formed by people. This course includes studies of mass, volume, space, and shape. Materials are studied through projects in construction, modeling, and casting.

CSU, UC, Associate Degree Applicable

ART 5A LIFE DRAWING

2 Units
Lecture: 1 hour
Laboratory: 3 hours

Students in this course study the human figure from a model. Composition and expressive aspects of gesture, weight, and line are investigated through pencil and charcoal exercises.

Recommended: ART 1A and ART 3A
CSU, UC, Associate Degree Applicable

ART 5B LIFE DRAWING

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This intermediate course in drawing has its emphasis on the techniques and expressive possibilities found in pen and ink media. Wash and water color are included.

Prerequisite: ART 5A
CSU, UC, Associate Degree Applicable

ART 5C LIFE DRAWING

2 Units
Lecture: 1 hour
Laboratory: 3 hours

Students in this advanced course study the human figure using pencils, pen and ink, and a variety of color media, including pastels, conte crayons and water colors.

Prerequisite: ART 5B
CSU, UC, Associate Degree Applicable

ART 5D LIFE DRAWING

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course provides an opportunity for advanced work in drawing. Students continue to explore directions that lead toward personal growth and style.

Prerequisite: ART 5C
CSU, UC, Associate Degree Applicable

ART 7A CERAMICS

2 Units
Lecture: 1 hour
Laboratory: 3 hours

Students in this course study basic hand built ceramics as well as wheel-thrown techniques. The processes of pottery glazing, kiln loading, and firing also are explored.

CSU, UC, Associate Degree Applicable

ART 7B CERAMICS

2 Units
Lecture: 1 hour
Laboratory: 3 hours

Students in this course study advanced techniques of pottery forming, glaze formulation, decoration, and kiln firing.

Prerequisite: Art 7A
CSU, UC, Associate Degree Applicable

ART 7C CERAMICS

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course provides an opportunity for advanced students to work in a specific area of ceramics. Students may choose from the following: pottery forming techniques, glaze making, kiln firing and decoration techniques.

Prerequisite: ART 7B
CSU, UC, Associate Degree Applicable

ART 7D CERAMICS

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course offers advanced students an opportunity to continue specialized studies. Emphasis is given to glaze formulation, kiln construction, and firing techniques.

Prerequisite: ART 7C
CSU, UC, Associate Degree Applicable

ART 7E CLAY FOR TEACHERS

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course offers a basic knowledge of ceramics to students who plan to teach or are currently teaching. Its emphasis is on methods and processes suited to elementary schools, recreation centers, and youth programs. Laboratory work includes aspects of clay forming, decorating, and firing.

CSU, Associate Degree Applicable

**ART 8 ADVERTISING ART
(Copper Mountain only)**

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course provides experience in problems relating to print media advertising, package design, graphic design and production methods.

Recommended: ART 40
CSU, Associate Degree Applicable

ART 9A PRINTMAKING

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course introduces basic hand processes in the making of prints by exploring different technical methods. These methods include relief, intaglio, stencil, and monoprint. The course includes an exploration of photo printmaking and an introduction to computer applications for image development.

CSU, Associate Degree Applicable

ART 9B PRINTMAKING

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course is a further exploration of basic methods of producing prints and of developing further competence in plate development and printing. Classwork focuses on attaining competence in the technique of aquatint as well as improving other basic etching and drypoint skills.

Prerequisite: ART 9A
CSU, Associate Degree Applicable

ART 9C PRINTMAKING

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course continues intermediate level technical approaches and focuses on a specific technical area within the printmaking field. Students concentrate on developing their own personal style.

Prerequisite: ART 9B
CSU, Associate Degree Applicable

ART 9D PRINTMAKING

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course offers students an opportunity to work on special problems and projects in printmaking.

Prerequisite: ART 9C
CSU, Associate Degree Applicable

ART 10 INTRODUCTION TO ART

3 Units
Lecture: 3 hours

This course is an introduction to problems, techniques and social forces that shape and reflect our visual world. Emphasis is placed on gaining insights and developing an understanding of the variables inherent in planning, organizing, and making a work of art.

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

ART 11A SCULPTURE

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This is a basic course in sculpture. Students explore three dimensional forms with a variety of materials and techniques, including additive, subtractive, and assemblage.

CSU, UC, Associate Degree Applicable

ART 11B SCULPTURE

2 Units
Lecture: 1 hour
Laboratory: 3 hours

In this course students use additive processes to make sculpture and are provided with experiences in mold making.

Prerequisite: ART 11A
CSU, UC, Associate Degree Applicable

ART 11C SCULPTURE

2 Units
Lecture: 1 hour
Laboratory: 3 hours

Students in this course receive individualized assignments in the subtractive method of creating sculptural forms. Contemporary as well as traditional aesthetic approaches are utilized.

Prerequisite: ART 11B
CSU, UC, Associate Degree Applicable

ART 11D SCULPTURE

2 Units
Lecture: 1 hour
Laboratory: 3 hours

Students in this course receive individualized instruction in the lost wax process of bronze casting with special studies in the history of sculpture.

Prerequisite: ART 11C
CSU, Associate Degree Applicable

**ART 13A RELIEF PRINTING
(Copper Mountain only)**

2 Units
Lecture: 1 hour
Laboratory: 3 hours

Students in this course study basic hand processes in the making of relief prints. Class work focuses on attaining competence in the techniques of linoleum block printing. Drawing skills are recommended.

CSU, UC, Associate Degree Applicable

**ART 13B RELIEF PRINTING
(Copper Mountain only)**

2 Units
Lecture: 1 hour
Laboratory: 3 hours

Students in this course study basic hand processes in the making of relief prints. Class work focuses on attaining competence in the techniques of wood block printing. Drawing skills are recommended.

Prerequisite: ART 13A
CSU, UC, Associate Degree Applicable

**ART 13C RELIEF PRINTING
(Copper Mountain only)**

2 Units
Lecture: 1 hour
Laboratory: 3 hours

Students in this course study advanced hand processes in the making of relief prints. Class work focuses on attaining competence in the techniques of collagraph printing. Drawing skills are recommended.

Prerequisite: ART 13B
CSU, UC, Associate Degree Applicable

**ART 13D RELIEF PRINTING
(Copper Mountain only)**

2 Units
Lecture: 1 hour
Laboratory: 3 hours

Students in this course study advanced hand processes in

the making of relief prints. Class work focuses on attaining competence in multicolor and multiplate relief prints. Drawing skills are recommended.

Prerequisite: ART 13C
CSU, UC, Associate Degree Applicable

ART 14A SCREEN PRINTING

2 Units
Lecture: 1 hour
Laboratory: 3 hours

Students in this course study basic hand processes in the making of silkscreen prints. Class work focuses on attaining competence in direct processes of stencil making. Drawing skills are recommended.

CSU, UC, Associate Degree Applicable

ART 14B SCREEN PRINTING

2 Units
Lecture: 1 hour
Laboratory: 3 hours

Students in this course study basic hand processes in the making of silkscreen prints. Class work focuses on attaining competence in producing prints utilizing hand generated stencils which are applied photographically. Drawing skills are recommended.

Prerequisite: ART 14A
CSU, UC, Associate Degree Applicable

ART 14C SCREEN PRINTING

2 Units
Lecture: 1 hour
Laboratory: 3 hours

Students in this course study advanced hand processes in the making of silkscreen prints. Class work focuses on attaining competence in producing prints utilizing cut film stencil methods. Drawing skills are recommended.

Prerequisite: ART 14B
CSU, UC, Associate Degree Applicable

ART 14D SCREEN PRINTING

2 Units
Lecture: 1 hour
Laboratory: 3 hours

Students in this course study advanced hand processes in the making of silkscreen prints. Class work focuses on attaining competence in producing prints utilizing photographic stencil methods. Drawing skills are recommended.

Prerequisite: ART 14C
CSU, UC, Associate Degree Applicable

ART 18A PAPERMAKING

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course in two and three dimensional papermaking compares Eastern and Western papermaking techniques and their cultural influences. Students explore different technical methods and philosophical approaches of hand papermaking leading to uses of the medium as an art form.

CSU, Associate Degree Applicable

ART 18B PAPERMAKING

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course continues with Eastern and Western multi-cultural aspects of papermaking techniques. Instruction is given to encourage development of a personal style reflecting either an Eastern or Western technique and aesthetic approach.

Prerequisite: ART 18A

CSU, Associate Degree Applicable

ART 18C PAPERMAKING

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This advanced course teaches students to continue the hand papermaking process by studying the diversified ways various cultures have developed their paper technology. Students construct equipment and work with processes employed by differing cultures.

Prerequisite: ART 18B

CSU, Associate Degree Applicable

ART 18D PAPERMAKING

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This advanced course in hand papermaking offers students an opportunity to work on special problems and projects. Emphasis is placed on cultural diversity in hand papermaking.

Prerequisite: ART 18C

CSU, Associate Degree Applicable

ART 20A-D CERAMIC SCULPTURE

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course is an introduction to the fundamental elements of the ceramic sculpture process in which students are taught to model ceramic sculpture and complete the finishing process with several methods of kiln firing.

CSU, UC, Associate Degree Applicable

ART 21A PAINTING/WATERCOLOR

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course is an introduction to fundamentals of transparent watercolor painting. Techniques covered include: washes, wet-in-wet, direct and layering.

Recommended: Courses in design and color and/or drawing and composition

CSU, UC, Associate Degree Applicable

ART 21B PAINTING/WATERCOLOR

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This is an intermediate course in fundamental methods of watercolor painting. Class work includes basic principles of color and composition.

Prerequisite: ART 21A

CSU, UC, Associate Degree Applicable

ART 21C PAINTING/WATERCOLOR

2 Units
Lecture: 1 hour
Laboratory: 3 hours

In this advanced course in watercolor painting, transparent and opaque techniques are applied to pictorial composition.

Prerequisite: ART 21B

CSU, UC, Associate Degree Applicable

ART 21D PAINTING/WATERCOLOR

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course provides an opportunity for advanced work in watercolor, including mixed media and collage methods.

Prerequisite: ART 21C

CSU, UC, Associate Degree Applicable

ART 23A PAINTING/OIL

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course is an introduction to fundamentals of oil painting with an emphasis on developing technical skills and composition.

CSU, UC, Associate Degree Applicable

ART 23B PAINTING/OIL

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course is an intermediate course in methods of oil painting. Classwork includes principles of color and composition with an emphasis on developing an awareness of the diversity possible with oil media.

Prerequisite: ART 23A

CSU, UC, Associate Degree Applicable

ART 23C PAINTING/OIL

2 Units
Lecture: 1 hour
Laboratory: 3 hours

In this advanced course in oil painting, students use traditional, as well as experimental techniques to investigate personal interests in composition and style.

Prerequisite: ART 23B

CSU, UC, Associate Degree Applicable

ART 23D PAINTING/OIL

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course provides an opportunity for advanced work in oil painting. Students continue to explore directions leading toward personal growth and style.

Prerequisite: ART 23C

CSU, UC, Associate Degree Applicable

ART 25A PAINTING/ACRYLIC

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course is an introduction to fundamentals of acrylic painting. Methods include: opaque, transparent, under and over painting, and textural and collage techniques.

Recommended: Courses in design and color and/or drawing and composition

CSU, UC, Associate Degree Applicable

ART 25B PAINTING/ACRYLIC

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This is an intermediate course in methods of acrylic painting. Class work includes basic principles of color and composition.

Prerequisite: ART 25A

CSU, UC, Associate Degree Applicable

ART 25C PAINTING/ACRYLIC

2 Units
Lecture: 1 hour
Laboratory: 3 hours

In this advanced course in acrylic painting, fundamental and experimental techniques are applied to composition and construction.

Prerequisite: ART 25B

CSU, UC, Associate Degree Applicable

ART 25D PAINTING/ACRYLIC

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course provides an opportunity for advanced work in acrylics, including mixed media and rhoplex.

Prerequisite: ART 25C

CSU, UC, Associate Degree Applicable

ART 30A PHOTOGRAPHY I: BLACK & WHITE

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course provides an introduction to the tools, materials, and techniques of black and white photography. Darkroom experience is included. An adjustable camera is required.

CSU, UC, Associate Degree Applicable

ART 30B PHOTOGRAPHY II: BLACK & WHITE

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course is designed to both strengthen darkroom skills and techniques and to explore photography as a means of creative expression and communication. Students develop a greater mastery of exposure, lighting, and fine printing techniques. An adjustable camera is required.

Prerequisite: ART 30A

Recommended: ART 33

CSU, UC, Associate Degree Applicable

**ART 30C PHOTOGRAPHY III
BLACK AND WHITE**

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This advanced course is designed to expand technical darkroom skills and to further develop an aesthetic sensibility to the photographic image. Topics include studio lighting, flash techniques, archival printing and matting, and alternative printing processes. An adjustable camera is required.

Prerequisites: ART 30B
CSU, Associate Degree Applicable

**ART 30D PHOTOGRAPHY IV
BLACK AND WHITE**

2 Units
Lecture: 1 hour
Laboratory: 3 hours

In this course, students apply their technical knowledge and aesthetic training to provide a portfolio of twenty archival photographic images organized around a central theme or approach. Activities include field trips, extensive critiques, demonstrations, and supervised independent work. An exhibition of class work in a gallery space will be required at the end of the semester.

Prerequisites: ART 30C
CSU, Associate Degree Applicable

ART 32A PHOTOGRAPHY I/COLOR

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course is an introduction to the tools, materials and techniques of color photography. It includes experience in darkroom procedures, making color prints from negatives using RA-4 process. An adjustable camera is required.

Prerequisite: ART 30D
Recommended: ART 33
CSU, Associate Degree Applicable

ART 32B PHOTOGRAPHY II/COLOR

2 Units
Lecture: 1 hour
Laboratory: 3 hours

In this course students are introduced to the principles of color photography through the use of Ilfachrome print materials and darkroom techniques. An adjustable camera is required.

Prerequisite: ART 32A
CSU, Associate Degree Applicable

ART 32C PHOTOGRAPHY III/COLOR

2 Units
Lecture: 1 hour
Laboratory: 3 hours

In this course students continue the study of photographic principles and refine color darkroom techniques. Students work on advanced problems with either negative or reversal materials. An adjustable camera is required.

Prerequisite: ART 32B
CSU, Associate Degree Applicable

ART 32D PHOTOGRAPHY IV/COLOR

2 Units
Lecture: 1 hour
Laboratory: 3 hours

Students in this course continue the study of photographic principles with an emphasis on creating photographs for publication in color. Topics directly relate to the commercial photographic industry and include photojournalism, sports, advertising, and editorial. An adjustable camera is required.

Prerequisite: ART 32C
CSU, Associate Degree Applicable

ART 33 HISTORY OF PHOTOGRAPHY

3 Units
Lecture: 3 hours

This course is a history of photography from its beginning in the mid-nineteenth century to the present time. Illustrated lectures on the technology, application and aesthetics of photography as a fine art form include the significant movements which contributed to the establishment of photography as one of the major forms of art and communication in the twentieth century.

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

ART 40 GRAPHIC DESIGN I

3 Units
Lecture: 2 hours
Laboratory: 3 hours

Students in this course utilize computers to solve visual communication and design problems using graphic components. Topics covered include typography, logos/marks/symbols/pictographs, corporate identity, graphic techniques (both digital and traditional), introduction to advertising design, digital prepress and press. Adobe Photoshop and Adobe Illustrator software are used to create final images.

Prerequisite: ART 3A or concurrent enrollment
Advisory: CIS 82D (strongly recommended)
CSU, Associate Degree Applicable

ART 80 A-D PAINTING WORKSHOP

1 Unit
Laboratory: 3 hours

This course offers a basic study in the fundamentals of composition and painting techniques. Emphasis is placed on the development of painting skills through painting experience, library research, demonstration and lecture.

CSU, UC, Associate Degree Applicable

ART 81A-D BASIC DRAWING I

1 Unit
Laboratory: 3 hours

This basic course in drawing provides the student with an opportunity to explore the materials and techniques of drawing. Problems of line, space, and texture are studied.

CSU, UC, Associate Degree Applicable

ART 83A-D LANDSCAPE PAINTING

1 Unit
Laboratory: 3 hours

This course provides the student with an opportunity to explore a subject from nature's landscape, using oil, watercolor, and mixed media.

CSU, UC, Associate Degree Applicable

ART 84A-D PAINTING THE DESERT LANDSCAPE AND ITS FLORA

1 Unit
Laboratory: 3 hours

This course provides the student with an opportunity to examine the specific problems associated with painting the local desert landscape and its flora, using watercolor, oil, acrylic, and mixed media. The student will be exposed to a variety of techniques and compositional approaches.

Recommended: Courses in design and color and/or drawing and composition

CSU, UC, Associate Degree Applicable

ART 85A-D STILL LIFE PAINTING

1 Unit
Laboratory: 3 hours

This course is an introduction to the principles, theories, and techniques of painting still life. The student will investigate various painting media and techniques, with emphasis being placed on the problems of perspective and space, color, and composition associated with still life arrangements and photographs.

CSU, UC, Associate Degree Applicable

ART 97A-D STUDIO LAB

½ Unit
Laboratory: 1.5 hours

ART 98A-D STUDIO LAB

1 Unit
Laboratory: 3 hours

Studio Lab is designed for students enrolled in specific areas of studio art who require additional use of instructional facilities. This is a credit/no credit graded course.

Corequisite: Enrollment in an Art course

ASC: ACADEMIC SKILLS CENTER

ASC 5 TUTOR TRAINING

0.5 Unit
Lecture: 4 hours
Laboratory: 12 hours per semester

This course provides the training, practicum, and applied projects necessary for success in peer tutoring.

Prerequisite: Grade of A or B in course being tutored
Associate Degree Applicable

ASC 10A-D TUTOR TRAINING - AVID

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course prepares AVID (Advancement Via Individual Determination) tutors, under the direction of a trained instructor, to work with individuals and study groups in academic areas commensurate with high school and college expectations.

Prerequisite: English and math skills proficiency at assigned level

ASC 54 APPLIED STUDY SKILLS

1 Unit
Lecture: 1 hour

This course is designed to enhance the student's learning ability in college by providing guided instruction in development of successful study habits. Content includes the following skills: information gathering; note taking; critical reading and retention; listening skills; analyzing instruction style; preparation for and taking quizzes, tests, and examinations; time management; self-motivation and resource tours.

ASC 55 SKILLS DEVELOPMENT - ELECTRONIC

0.5 Unit
Lecture: .5 hour

This course provides electronic vocabulary terminology for notetaking, outlining, and report writing, leading to overall improvement in study habits.

ASC 97A-D SUPPLEMENTAL LEARNING LAB

0.5 Unit
Laboratory: 1.5 hours

ASC 98A-D SUPPLEMENTAL LEARNING LAB

1 Unit
Laboratory: 3 hours

This course provides computer assisted instruction and materials supplementary to the instructor's classroom and/or laboratory presentation to advance the student's knowledge and/or personal growth.

Corequisite: Enrollment in an academic course

ASC 100 SUPERVISED TUTORING

0.0 Unit

The Tutorial Center is an open entry/open exit environment where college students with learning needs in academic subjects receive tutoring through one-to-one contact and small group instruction. Registration for Supervised Tutoring is required. Students may register either during formal registration or, if students wish to add later in the semester, at the Tutoring Center itself in Building E, Room 4.

ASL: AMERICAN SIGN LANGUAGE**ASL 1A ELEMENTARY AMERICAN SIGN LANGUAGE**

3 Units
Lecture: 3 hours

This course is an introduction to American Deaf culture through the language of different sign systems of American Sign Language and includes basic sign vocabulary, grammar, the manual alphabet, and other topics.

CSU, UC, Associate Degree Applicable

ASL 1B ELEMENTARY AMERICAN SIGN LANGUAGE

3 Units
Lecture: 3 hours

This course further introduces the culture of the Deaf through the use of American Sign Language in a wide variety of social situations. Students learn to use

appropriate communicative behaviors and show an awareness of and respect for Deaf values and norms.

Prerequisite: ASL 1A
CSU, UC, Associate Degree Applicable

AUTO: AUTOMOTIVE TECHNOLOGY**AUTO 1 AUTOMOTIVE PRINCIPLES I**

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course covers basic fundamentals and basic knowledge of the automotive repair trade. It includes shop safety, hand tools, fasteners, shop math, and an overview of basic automotive systems.

Prerequisite: ENG 50 or equivalent
Associate Degree Applicable

AUTO 2 AUTOMOTIVE PRINCIPLES II

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course stresses automotive engine operation principles. Practical work in the operation, inspection, maintenance, and repair of engines is included. Drive train principles, steering mechanisms, brake systems, suspensions and hydraulics systems will be studied.

Prerequisite: AUTO 1 or equivalent
CSU, Associate Degree Applicable

AUTO 3 AUTOMOTIVE PRINCIPLES III

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course provides theory and practice of using different electrical equipment with an emphasis on hand held test equipment. Breaker point, electronic and computer type ignitions will be covered.

Prerequisite: AUTO 1
CSU, Associate Degree Applicable

AUTO 5 AT POWER TRAIN TECHNOLOGY

4 Units
Lecture: 3 hours
Laboratory: 3 hours

This is an introductory course for the Alternate Fuel Technician, Tech-Prep program. It covers basic theory, design, and operation of alternate fuel prime movers focusing on internal combustion engines and their sub-systems.

CSU, Associate Degree Applicable

AUTO 6 AT CHASSIS PRINCIPLES

4 Units
Lecture: 3 hours
Laboratory: 3 hours

This course introduces the student to basic principles of vehicle chassis, suspension, and braking systems as applied to environmentally friendly modes of transportation.

Advisory: AUTO 5
CSU, Associate Degree Applicable

AUTO 7 AT VEHICLE ELECTRICAL SYSTEMS

3½ Units
Lecture: 3 hours
Laboratory: 1.5 hours

This course is an in-depth study of vehicle related electrical and electronics systems. Emphasis is placed on application of basic theory and the use of test equipment, normally found in the industry, in diagnosis and repair of vehicle electrical components and systems.

Prerequisite: AUTO 5
CSU, Associate Degree Applicable

AUTO 8 AT ADVANCED VEHICLE ELECTRICAL SYSTEMS

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course provides further study of the automotive electrical system. It covers basic lighting systems, gauges and warning devices, windshield wipers, and other body-related electrical components.

Prerequisite: AUTO 7
CSU, Associate Degree Applicable

AUTO 19 HAZARDOUS MATERIAL-AUTO

½ Unit
Lecture: .5 hours

This course provides training in the basic laws and regulations regarding the use, storage, handling, emergency response, and disposal of hazardous materials found in the automotive repair industry.

Advisory: Eligibility for ENG 51 or 1 year trade experience
Associate Degree Applicable

AUTO 20 AUTO ELECTRIC I (NATEF)

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course provides basic theory and direct experience in automotive electrical systems, operations, trouble shooting, and repair. It is the basis for auto tune-up, fuel systems, automotive computer systems, and the BAR-certified clean air car course.

Prerequisite: AUTO 1 or 1 year trade experience
Associate Degree Applicable

AUTO 21 AUTO ELECTRIC II (NATEF)

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course provides further study of the automotive electrical system. It covers basic ignition systems, lighting systems, gauges and warning devices, windshield wipers, and other body related electrical components.

Prerequisite: AUTO 20, or passing ASE Electrical System Test, or completion of 600 hours advanced ROP auto technology course, or 1 year trade experience
Associate Degree Applicable

AUTO 22 A-D AUTO ELECTRIC III (NATEF) LAMP LICENSE PREP

1 Unit
Lecture: .75 hour
Laboratory: .75 hour

This course is preparation for the State of California - Bureau of Automotive Repair's Lamp Inspection License Class "A" test.

Prerequisite: AUTO 20 and 21, or passing ASE Electrical System Test, or 1 year trade experience
Associate Degree Applicable

AUTO 23 ENGINE PERFORMANCE I (NATEF)

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course provides operating theory and experience in the operation, diagnosis, and repair of Kettering, Electronic, and distributorless (DIS) ignition systems. Students learn basic oscilloscope operation and the basis for engine computer and emission control systems.

Prerequisite: AUTO 20, or passing ASE Electrical System Test, or 1 year trade experience in engine tune-up, or completion of 600 hours advanced ROP automotive technology course
Associate Degree Applicable

AUTO 24 ENGINE PERFORMANCE II (NATEF)

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course provides operating theory and hands-on experience in the operation, diagnosis, and repair of automotive fuel systems with carburetors, basic throttle body, and port fuel injection systems. Students learn to use the 4 gas exhaust analyzers.

Prerequisite: AUTO 20 and AUTO 23, or passing ASE Electrical System Test, or 1 year trade experience in engine tune-up, or completion of 600 hours advanced ROP automotive technology course

Associate Degree Applicable

AUTO 25 ENGINE PERFORMANCE III (NATEF)

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This is a basic engine computer course which includes the theory, operation, testing, diagnosis, and repair of current systems. This course helps students prepare for the state SMOG test.

Prerequisite: AUTO 20 and completion of or concurrent enrollment in AUTO 23 and 24; or passing ASE Electrical System Test (A-6); or Engine Performance Tests (A-8); or ASE Advanced Engine Performance Test (L-1); or 2 years trade experience in engine tune-up and electrical

Associate Degree Applicable

AUTO 26 ENGINE PERFORMANCE IV (NATEF)

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This is an advanced engine computer and drivability course. It emphasizes diagnostic procedures and techniques using basic and sophisticated test equipment. This course helps prepare students for the state SMOG and ASE Advanced Engine Performance tests.

Prerequisite: AUTO 20; completion of, or concurrent enrollment in AUTO 23, 24 and 25; or passing ASE Electrical System Test or Engine Performance Tests; or 2 years trade experience in engine tune-up and electrical Associate Degree Applicable

**AUTO 27 A-D B.A.R. CLEAN AIR COURSE
PART I**

2½ Units

Lecture: 2 hours

Laboratory: 1.5 hours

This course covers SMOG inspection rules and

regulations, a review of engine performance theory, and the inspection and testing of 1979 and older vehicles. AUTO 27 and AUTO 28 of the B.A.R. Clean Air Course must be taken and passed with a grade of "C" or better to be eligible for a Bureau of Automotive Repair Certificate of Completion. This course is approved by the State of California, Bureau of Automotive Repair.

Prerequisite: AUTO 14, AUTO 61, and AUTO 62; or 180 hours of Engine Performance and Electrical courses; or passing ASE Engine Performance and Electrical System Tests; or 1 year trade experience in engine tune-up

Associate Degree Applicable

**AUTO 28 A-D B.A.R. CLEAN AIR COURSE
PART II**

2½ Units

Lecture: 2 hours

Laboratory: 1.5 hours

Part II of the clean air course inspection procedures, diagnosis and repair of 1980 and newer vehicles along with a detailed review of system identification and computer system theory. This course is approved by the State of California, Bureau of Automotive Repair.

Prerequisite: AUTO 27; or AUTO 14, AUTO 61, AUTO 62, and AUTO 50; or 180 hours of Engine Performance and Electrical courses; or passing ASE Engine Performance and Electrical System Tests; or 1 year trade experience in engine tune-up

Associate Degree Applicable

AUTO 30 AUTO BRAKE SYSTEMS (NATEF)

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course provides basic theory and direct experience in automotive brake system operation, trouble shooting, and repair. This is the basis for the State Brake Inspection License course (AUTO 31 A-D).

Prerequisite: AUTO 1 or 1 year trade experience

Associate Degree Applicable

AUTO 31 A-D BRAKE LICENSE PREPARATION

1 Unit

Lecture: .75 hour

Laboratory: .75 hour

This course is preparation for the State of California - Bureau of Automotive Repair's Brake Inspection Class "A" license test.

Prerequisite: AUTO 30, or AUTO 20, or 1 year trade experience, or passing ASE Brake Test

Associate Degree Applicable

AUTO 32 ANTI-SKID BRAKE SYSTEMS

1 Unit

Lecture: .5 hour

Laboratory: 1.5 hours

This course provides the theory, operation, testing, diagnosis, and repair of Anti-skid Brake Systems used in today's vehicles. The course will help the student prepare for the California State Brake Inspector and ASE Brake system test.

Prerequisite: AUTO 20, 25, and 30; or passing of ASE Electrical System, Engine Performance, and Brake Systems tests; or 2 years appropriate trade experience
Associate Degree Applicable

AUTO 33 SUSPENSION & ALIGNMENT(NATEF)

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course provides basic theory and direct experience in automotive suspension systems and wheel alignment.

Prerequisite: AUTO 1 or 1 year trade experience
Associate Degree Applicable

AUTO 34 AUTOMOTIVE STEERING (NATEF)

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course provides basic theory and direct experience in the service and repair of automotive steering systems including four-wheel steering, electronic, computer controlled, and variable assist steering systems.

Prerequisite: AUTO 1
Associate Degree Applicable

AUTO 46 AUTOMOTIVE DIAGNOSTIC EQUIPMENT

2 Units

Lecture: 1.5 hours

Laboratory: 1.5 hours

This course provides instruction in the proper operation and use of tune-up related automotive diagnostic equipment. Included are oscilloscopes, exhaust gas analyzers, automotive computer diagnostic testers, and other tune-up related test equipment.

CSU, Associate Degree Applicable

AUTO 51 AT BASIC ENGINE PERFORMANCE

3½ Units

Lecture: 3 hours

Laboratory: 1.5 hours

This is an introductory engine performance course. It covers the ignition and fuel systems to the basic engine

computer level. Emphasis is on vehicle tail pipe emissions and their control.

Prerequisite: AUTO 7

CSU, Associate Degree Applicable

AUTO 52 AT ENGINE PERFORMANCE II

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This is a second level Engine Performance II course introducing the theory, operation, testing, diagnosis, and repair of current automotive computer systems. This course prepares students for the State SMOG test and ASE A-8 test.

Prerequisite: AUTO 51

CSU, Associate Degree Applicable

AUTO 53 AT ENGINE PERFORMANCE III

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This is an advanced drivability and diagnostics course. This course uses the chassis dynamometer and other tools to diagnose vehicle drivability problems and emission test failure. This course prepares students for the State SMOG test and ASE L-1 test.

Prerequisite: AUTO 52

CSU, Associate Degree Applicable

AUTO 54 AT CLEAN AIR CAR COURSE

4½ Units

Lecture: 4 hours

Laboratory: 1.5 hours

This course provides the student with the basic training to meet the requirements of the Bureau of Automotive Repair for a SMOG Technician. The course includes the Basic Clean Air Car Course material in addition to the 8 Hour Dynamometer Transition, and 20 Hour Update (NOx failure diagnosis materials).

Prerequisite: AUTO 53

CSU, Associate Degree Applicable

AUTO 56 AT COMPRESSED NATURAL GAS/ LIQUEFIED PETROLEUM GAS

4 Units

Lecture: 3 hours

Laboratory: 3 hours

This course provides theory and hands-on experience in the operation, service, inspection, and maintenance of Compressed Natural Gas (CNG)/Liquefied Petroleum Gas (LPG) systems. This course prepares students for the ASE Alternate Fuels Test (F-1).

Prerequisite: AUTO 53

CSU, Associate Degree Applicable

AUTO 57 AT LEAN BURN PRINCIPLES

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course provides theory, hands-on experience in the operation, service, inspection, and maintenance of engines running ultra lean combustion system. The course covers gasoline, Compressed Natural Gas (CNG)/Liquefied Petroleum Gas (LPG) systems.

Prerequisite: AUTO 56

CSU, Associate Degree Applicable

AUTO 58 AT ADVANCED POWER TRAINS

3 Units

Lecture: 3 hours

This course is an in-depth study of vehicle power trains that are in development or beta testing. It covers system efficiencies, power and fuel conversion methods and their application to various form of transportation. Environmental affects versus cost effectiveness is a prime consideration throughout the course.

Prerequisite: AUTO 57

CSU, Associate Degree Applicable

AUTO 60A AUTO AIR CONDITIONING I

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course provides basic theory and hands-on experience in automotive air conditioning and heating system operation, trouble shooting, and repair. This course is based on NATEF guidelines.

Prerequisite: AUTO 1, or 1 year trade experience

Associate Degree Applicable

AUTO 60B AUTO AIR CONDITIONING II

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course provides advanced training and hands-on experience in automotive air conditioning, heating, and climate control systems theory, operation, trouble shooting, and repair. This course is based on NATEF guidelines.

Prerequisite: AUTO 60A, or 1 year trade experience in air conditioning

Associate Degree Applicable

AUTO 63A ENGINE REBUILD I - TOP END

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course provides basic theory and practical experience

in the disassembly, inspection, machine work, reassembly and adjustment of the cylinder heads and valve train of an internal combustion engine.

Prerequisite: AUTO 1, or 1 year trade experience

Associate Degree Applicable

AUTO 63B ENGINE REBUILD II - LOWER END

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course provides basic theory and practical experience in the disassembly, inspection, reassembly and adjustment of the cylinder block and related components.

Prerequisite: AUTO 1, or 1 year trade experience

Associate Degree Applicable

AUTO 64A AUTOMATIC TRANSMISSIONS I

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course provides an introduction to basic theory and hands-on experience in the operation, diagnosis, servicing, and repair of automatic transmissions for rear wheel drive vehicles.

Prerequisite: AUTO 1, or 1 year trade experience

Associate Degree Applicable

AUTO 64B AUTOMATIC TRANSMISSIONS II

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course provides basic knowledge and hands-on experience in the operation, diagnosis, servicing, and repair of automatic transaxles. It covers the operation and diagnosis of computer controlled automatic transmissions and transaxles.

Prerequisite: AUTO 1, or 1 year trade experience in automatic transmissions

Associate Degree Applicable

AUTO 65A STANDARD TRANSMISSIONS I

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course covers the principles of operation and repair of clutches, three, four, and five-speed manual transmissions, and drive lines and rear axles for rear wheel drive vehicles.

Prerequisite: AUTO 1, or 1 year trade experience

Associate Degree Applicable

AUTO 65B STANDARD TRANSMISSIONS II

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course covers the principles of operation and repair of clutches, three, four, and five-speed manual transaxles and drive trains for front wheel drive vehicles.

Prerequisite: AUTO 1, or 1 year trade experience

Associate Degree Applicable

AUTO 68 NIASE TEST PREPARATION

½ Unit

Lecture: .5 hour

This course prepares the student for National Institute for Automotive Service Excellence (NIASE) test: "Automotive Certificate Exam". Topics covered include: brakes, front end, engine repair, engine performance, automatic transmission/transaxle, manual drive train and axles, electrical and heating/air conditioning. Test-taking techniques are also covered.

Prerequisite: Minimum one year of practical job experience and/or completion of at least three automotive courses

Associate Degree Applicable

AUTO 69 SMALL ENGINES

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course is the study of the theory and operating principles of small two-cycle and four-cycle engines. Practical work in ignition service, carburetor service, engine disassembly and assembly, valve refacing, reboring, engine block testing and proper adjustments is covered.

Associate Degree Applicable

AUTO 71A-L AUTOMOTIVE LABORATORY

1 Unit

Laboratory: 3 hours

This lab course is designed to provide the student with a broad range of training experiences. Lab assignments are determined by the availability of required repairs on instructor assigned vehicles.

Corequisite: Enrollment in one or more AUTO classes

Associate Degree Applicable

AUTO 78A,B ALTERNATIVE FUELS

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course includes a study of alternative types of fuel that can be used in today's vehicles, such as: electric, solar, ethanol, fuel cells, etc. Students will be provided with some basic knowledge regarding service and maintenance of alternative fuel systems that will be on the market in the near future. It investigates the process of converting vehicles for the use of alternative fuels and propulsion.

Prerequisite: AUTO 1 or equivalent

Associate Degree Applicable

AUTO 80 ACTIVE SUSPENSION SYSTEMS

1 Unit

Lecture: .5 hour

Laboratory: 1.5 hours

This course provides theory and hands-on experience in the theory, operation, testing, diagnosis, and repair of the computer controlled active suspension systems used in today's vehicles.

Prerequisite: AUTO 20, or passing of ASE Electrical System, and Suspension and Steering tests; or 2 years trade experience in engine performance, electrical, and suspension systems

Associate Degree Applicable

AUTO 81 AIR BAG OPERATION

1 Unit

Lecture: 1 hour

This is an advanced level course on the theory, operation, testing, diagnosis, and repair of supplemental restraint systems, "air bags", used in today's vehicles.

Prerequisite: AUTO 20 and AUTO 21, or passing of ASE Electrical System Test, or 2 years trade experience in electrical systems

Associate Degree Applicable

AUTO 87A-C B.A.R. CITATION 1

½ Unit

Lecture: .5 hour

This course meets the requirements for a Bureau of Automotive Repair (B.A.R.) licensed SMOG mechanic who has received a first citation for violation of California State Vehicle Emission Control System inspection and repair laws and regulations.

Prerequisite: AUTO 27-28 or trade experience; possess a SMOG check mechanic's license

AUTO 88A-C B.A.R. CITATION 2

1 Unit
Lecture: 1 hour

This course meets the requirements for a Bureau of Automotive Repair (B.A.R.) licensed SMOG mechanic who has received a second citation for violations of California State Vehicle Emission Control System inspection and repair laws and regulations.

Prerequisite: AUTO 27-28 or trade experience; possess a SMOG check mechanic's license

AUTO 90A COMPRESSED NATURAL GAS MAINTENANCE & CONVERSION

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course provides operating theory and practical experience in the conversion, setup, operation, maintenance and repair of Compressed Natural Gas (CNG) fuel systems. This course will help prepare the student for the ASE Alternate Fuels Test (L-1).

Prerequisite: AUTO 25, or passing of the ASE Electrical System and Engine Performance tests, or 2 years trade experience in engine performance and electrical systems
Associate Degree Applicable

AUTO 90B COMPRESSED NATURAL GAS DIAGNOSIS AND REPAIR

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course provides the diagnostic skills necessary to identify and repair Compressed Natural Gas (CNG) fuel systems used in both computer and non-computer controlled vehicles.

Prerequisite: AUTO 25, AUTO 90A, or passing of the ASE Electrical System, Engine Performance, & Alternate Fuel tests, or 2 years trade experience in engine performance & electrical systems, & gaseous fuels.
Associate Degree Applicable

AUTO 90C LIQUEFIED NATURAL GAS OPERATION AND CONVERSION

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course provides operating theory and practical experience in the conversion, setup, operation, service and repair of Liquefied Natural Gas (LNG) fuel systems.

Prerequisite: AUTO 25, or passing of the ASE Electrical System and Engine Performance tests, or 2 years trade experience in engine performance and electrical systems
Associate Degree Applicable

AUTO 91A LIQUEFIED PETROLEUM GAS MAINTENANCE & CONVERSION

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course provides operating theory and practical experience in the conversion, setup, operation, maintenance and repair of Liquefied Petroleum Gas (LPG) fuel systems.

Prerequisite: AUTO 25, or passing of the ASE Electrical System and Engine Performance tests, or 2 years trade experience in engine performance and electrical systems
Associate Degree Applicable

AUTO 91B LIQUEFIED PETROLEUM GAS DIAGNOSIS AND REPAIR

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course provides the advanced diagnostic skills necessary to identify and repair of Liquefied Petroleum Gas (LPG) fuel systems used in both computer and non-computer controlled vehicles.

Prerequisite: AUTO 25, AUTO 91A or passing of the ASE Electrical System, Engine Performance, and Alternate Fuels tests, or 2 years trade experience in engine performance, electrical systems, and gaseous fuels
Associate Degree Applicable

BI: BIOLOGY

BI 1A GENERAL BIOLOGY - PRINCIPLES

5 Units
Lecture: 4 hours
Laboratory: 3 hours

This course is a survey of biological concepts and functions including biological chemistry, origin of life, cell structure and function, energy production and utilization, mitosis and embryology, basic tissues, organ systems, integrative mechanisms, reproduction and genetics, adaptation and population biology.

Note: This course is primarily designed for students pursuing careers in science, pre-professional and other allied health fields requiring a strong foundation in biology. BI 1A is typically followed by BI 1B (Zoology) or BI 1C (Botany) where one full year of biology is required.

Prerequisite: A full year of high school Biology or BI 4 and 4L
CSU, UC, Associate Degree Applicable

BI 1B GENERAL BIOLOGY - ZOOLOGY

5 Units

Lecture: 3 hours

Laboratory: 6 hours

This course covers identification, classification, phylogeny, comparative embryology, morphology, physiology, ecology, behavior, etc., at the animal organismic level. Laboratory experiments, dissections, and identification give practical study.

Note: This course meets requirements of science, pre-professional, and all other majors requiring a strong biology foundation, and partially meets the requirement of students needing one year of biology. It also meets the biological sciences general education requirement.

Prerequisite: For all science and pre-professional majors, BI 1A; for all others, BI 4 and BI 4L with grades of B or better

CSU, UC, Associate Degree Applicable

BI 1C GENERAL BIOLOGY - BOTANY

5 Units

Lecture: 4 hours

Laboratory: 3 hours

This course is a survey of biological functions, and includes a broad study of diversity in plant structure, function, and classifications. Emphasis is placed on algae, fungi, flowering plants and their ecological significance.

Note: The course is designed primarily for biology, science, and pre-professional and all other majors where a strong foundation in biology is required. Partially meets the requirements of students needing one year of biology.

CSU, UC, Associate Degree Applicable

BI 4 ELEMENTS OF BIOLOGY

3 Units

Lecture: 3 hours

This course is designed to acquaint non-majors with fundamental concepts and principles of biology and background information in the physical sciences.

Note: BI 4 and BI 4L meet the Biological Science General Education requirement. This course does not meet the requirements for biological science majors. BI 4 is offered for those individuals with little or no background in the biological sciences.

Prerequisite: ENG 51 or equivalent

CSU, UC, Associate Degree Applicable

BI 4L ELEMENTS OF BIOLOGY LABORATORY

1 Unit

Laboratory: 3 hours

This course provides supplementary laboratory experience for those students enrolled in BI 4. Critical practical studies in biological principles are emphasized.

Note: BI 4 and BI 4L meet the Biological Science General Education requirement. This course does not meet the requirements for biological science majors. BI 4L is offered for those individuals with little or no background in the biological sciences.

Prerequisite: ENG 51 or equivalent

Corequisite: BI 4

CSU, UC, Associate Degree Applicable

BI 10 WOMEN'S HEALTH

3 Units

Lecture: 3 hours

A study of current issues and practices related to women's health. Emphasis is placed on female anatomy and physiology relative to changes which occur in a women's body from youth to old age and the specific aspects of health and disease related to these changes. This course is designed to provide information to make the student medically and scientifically knowledgeable about women's health issues and to be an "informed consumer" of medical information and practices concerning today's female.

Prerequisite: ENG 51

CSU, Associate Degree Applicable

BI 15 GENERAL MICROBIOLOGY

5 Units

Lecture: 4 hours

Laboratory: 3 hours

This course is a comprehensive study of the microbial world. It is designed to develop an appreciation and understanding of microorganisms and their relationship to humans and their environment. A knowledge of the principles of microbiology and their practical applications is stressed. Subject matter includes: medical microbiology, microbial physiology, microbial genetics, and industrial microbiology. The laboratory experience explores the development of current methods, techniques, and skills necessary to culture, propagate and identify microorganisms.

Prerequisite: CH 4 or equivalent, ENG 51, and MATH 50

Advisory: BI 22 and BI 23 are strongly recommended
CSU, UC, Associate Degree Applicable

**BI 21 ELEMENTARY HUMAN
ANATOMY AND PHYSIOLOGY**

3 Units
Lecture: 3 hours

This is a course in the structure and functions of human body systems, and fundamental principles of biology demonstrable in human beings.

Note: BI 21 and BI 21L meet the Biological Science General Education requirement and are recommended to those wishing a 'human' approach to satisfying this requirement.

Prerequisite: ENG 51
CSU, UC, Associate Degree Applicable

**BI 21L ELEMENTARY HUMAN ANATOMY
AND PHYSIOLOGY LABORATORY**

1 Unit
Laboratory: 3 hours

This course is the companion laboratory course to BI 21, offering a practical approach to the structure and functions of human body systems. Practical consideration will also be given to fundamental biological principles demonstrable in human beings. Dissections, experiments, and demonstrations will be employed.

Note: BI 21 and BI 21L meet the Biological Science General Education requirement and are recommended to those wishing a 'human' approach to satisfying this requirement.

Corequisite: BI 21 or prior completion
CSU, UC, Associate Degree Applicable

**BI 22 HUMAN ANATOMY
(CAN BIOL 10)**

4 Units
Lecture: 3 hours
Laboratory: 3 hours

This course involves both the gross and microscopic anatomical study of tissues and organ systems of the human body. Laboratory study of histology slides, skeletons, cadavers and/or non-human mammals is undertaken. Directed dissections of laboratory specimens are required.

Note: This course is designed for Health Sciences students, and satisfies the Biological Science General Education requirements. It is not recommended for pre-medical or pre-dental students who must take BI 1A and BI 1B.

Prerequisite: ENG 51 and MATH 50
Advisory: One year of high school biology or BI 21 and BI 21L are strongly recommended
CSU, UC, Associate Degree Applicable

BI 23 HUMAN PHYSIOLOGY

5 Units
Lecture: 4 hours
Laboratory: 3 hours

This course is a survey of normal and some abnormal functions of the integumental, skeletal, muscular, circulatory, respiratory, digestive, urogenital, sensory, nervous, and endocrine systems.

Note: This course is a prerequisite for many of the Health Sciences majors, or it may be used to satisfy a General Education Life Science requirement. Pre-medical, pre-dental, and pre-veterinarian majors are advised to take the BI 1A & BI 1B sequence rather than BI 22 & BI 23.

Prerequisite: CH 4 and BI 22
CSU, UC, Associate Degree Applicable

BIT: BUILDING INSPECTION TECHNOLOGY

BIT 10 UNIFORM BUILDING CODE

3 Units
Lecture: 3 hours

This course is a study of building codes and ordinances of Federal, State and local governments relative to construction and safety considerations of public and private structures. Checking of building plans and specifications, Uniform Building Code, Earthquake Regulations (Title 21), State Fire Marshal's Code (Title 19), and State Hospital Act (Title 17) are included.

Prerequisite: ENG 50 or equivalent
CSU, Associate Degree Applicable

BIT 11 PLAN CHECK NONSTRUCTURAL

3 Units
Lecture: 3 hours

This is an introductory-level course of instruction in nonstructural plan reading and plan review. Develops an understanding of construction drawing and the application of building code provisions to drawings and specifications. Students will gain an understanding of the building code as it pertains to the construction, use and occupancy of buildings, the health and safety aspects of codes as well as fire and life safety.

Prerequisite: ENG 50 or equivalent
CSU, Associate Degree Applicable

BIT 21 UNIFORM MECHANICAL CODE

2 Units

Lecture: 2 hours

This course develops an understanding of mechanical systems, checking of plans to the Uniform Mechanical Code and State Fire Marshal Code (Title 19).

Prerequisite: ENG 50 or equivalent; MATH 57 or equivalent

Advisory: BIT 10

CSU, Associate Degree Applicable

BIT 22 NATIONAL ELECTRICAL CODE

2 Units

Lecture: 2 hours

This is an introductory level course of instruction for plan review, design or electrical systems and application. Students will understand residential electrical systems, terms, application and life safety.

Prerequisite: ENG 50 or equivalent; MATH 57 or equivalent

Advisory: BIT 10

CSU, Associate Degree Applicable

BIT 23 UNIFORM PLUMBING CODE

2 Units

Lecture: 2 hours

This course develops an understanding of plumbing waste, vent and natural gas systems. It also covers checking of plans and specifications for plumbing systems, design of residential system for waste and natural gas systems.

Prerequisite: ENG 50 or equivalent; MATH 57 or equivalent

Advisory: BIT 10

CSU, Associate Degree Applicable

BIT 24 ENERGY CONSERVATION CODE

2 Units

Lecture: 2 hours

This course covers State of California, Title 24 Building Code for Energy Conservation in residential and commercial buildings. It also includes Uniform Electrical, Mechanical Code systems, plan checking and specifications.

Prerequisite: ENG 50 or equivalent; MATH 57 or equivalent

Advisory: BIT 10

CSU, Associate Degree Applicable

BIT 25 HANDICAPPED ACCESSIBILITY CODE

2 Units

Lecture: 2 hours

This course covers State of California, Title 24 Building Code and American Disabilities Act for handicapped accessibility to public and private buildings. It includes work area design for employees who are or become disabled during employment.

Prerequisite: ENG 50 or equivalent; MATH 57 or equivalent

Advisory: BIT 10

CSU, Associate Degree Applicable

BUAC: BUSINESS/ACCOUNTING

BUAC 1 ACCOUNTING I

3 Units

Lecture: 3 hours

This course expands upon basic fundamentals of the double entry accrual accounting system. It includes accounting for service and merchandising enterprises with special emphasis on receivables, payable, inventories, plant asset depreciation methods, internal controls, payroll and other sub-systems.

Prerequisite: BUAC 66, or demonstrated competence in basic bookkeeping, or equivalent

CSU, UC, Associate Degree Applicable

BUAC 2 ACCOUNTING II

3 Units

Lecture: 3 hours

This course emphasizes accounting concepts and principles relating to corporations, departmental and branch systems. Also emphasized is management uses of accounting data that includes financial statement analysis, cash flow statements, and an introduction to cost accounting. There is emphasis on stock and bond transactions.

Prerequisite: BUAC 1

CSU, UC, Associate Degree Applicable

BUAC 3 GOVERNMENTAL ACCOUNTING

3 Units

Lecture: 3 hours

This course focuses on principles of fund accounting for governmental units including problems of budgeting, appropriations, accounting for revenues, expenditures, and encumbrances.

Prerequisite: BUAC 66 or equivalent

CSU, Associate Degree Applicable

BUAC 4 TAX ACCOUNTING I - INDIVIDUALS

3 Units

Lecture: 3 hours

This course is designed to provide students with tax information for both personal and career interests. Students learn tax information with the current laws and regulations available for preparation of personal tax returns and tax returns of others. Tax planning issues for the current and later years are considered.

Prerequisite: ENG 50 and MATH 57 or equivalent
CSU, Associate Degree Applicable

BUAC 5 TAX ACCOUNTING II

3 Units

Lecture: 3 hours

This course is designed to provide students with tax information for both personal and professional use. Students learn the latest tax regulations that will allow them to prepare tax returns for their own businesses as well as other businesses and corporations. Tax planning issues for current and later tax years are also considered.

Prerequisite: ENG 50 and MATH 57 or equivalent
CSU, Associate Degree Applicable

**BUAC 6 INTRODUCTION TO
MANAGEMENT ACCOUNTING**

3 Units

Lecture: 3 hours

This course is designed to develop the fundamental skills of management accounting, which includes the collection, presentation, and interpretation of data to enable management to control performance. Students learn how to construct accounting information systems that focus on such items as cost control, inventory management, budgetary monitoring, and capital investment planning.

Prerequisite: BUAC 2 or equivalent
CSU, Associate Degree Applicable

**BUAC 7 HOSPITAL AND MEDICAL
ACCOUNTING**

3 Units

Lecture: 3 hours

This course is designed to cover the comprehensive application of accounting principles to the medical and hospital industries. Included are accounting practices, financial statements, income and expense recognition principles, and special purpose journals and ledgers. Procedures unique to these industries are emphasized and studied in depth.

Prerequisite: BUAC 2 or equivalent
CSU, Associate Degree Applicable

**BUAC 8 REAL ESTATE AND
CONSTRUCTION ACCOUNTING**

3 Units

Lecture: 3 hours

This course covers the comprehensive application of accounting principles to the real estate and construction industries. Budgeting and monitoring costs for construction projects are emphasized, as well as rate of return analyses for investment projects. Management Accounting is emphasized over Financial Reporting.

Prerequisites: BUAC 1 or equivalent
CSU, Associate Degree Applicable

**BUAC 9 HOSPITALITY MANAGEMENT
ACCOUNTING**

3 Units

Lecture: 3 hours

This course is the study of the comprehensive application of accounting principles to the hospitality industry. The course includes an emphasis on accounting practices, financial statements, income/expense accounts and statements, special purpose journals and ledgers. Also included is the application of accounting information when making managerial decisions.

Prerequisite: BUAC 66 or equivalent
CSU, Associate Degree Applicable

BUAC 10 COMPUTER ACCOUNTING

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course covers introductory material in the processing of accounting data on the microcomputer. Students learn to record and process transactions in the following major accounting systems: general ledger, accounts receivable, accounts payable, depreciation, and payroll. Course work prepares students for actual situations using up-to-date equipment.

Prerequisite: BUAC 2 or concurrent enrollment
Advisory: Concurrent enrollment in BUAC 11
CSU, Associate Degree Applicable

**BUAC 11 AUTOMATED ACCOUNTING
PRACTICE SET**

1 Unit

Laboratory: 3 hours

The automated accounting practice set is a semester long accounting problem. Students are required to complete this problem using microcomputers.

Prerequisite: BUAC 2 or concurrent enrollment
Advisory: Concurrent enrollment in BUAC 10
CSU, Associate Degree Applicable

BUAC 66 INTRODUCTION TO ACCOUNTING

3 Units

Lecture: 3 hours

This course covers the essential elements of bookkeeping practice upon which advanced work in other accounting courses is based. Topics include the basic accounting equation, uses of journals and ledgers, preparation of financial statements, adjusting and closing entries, bank account reconciliation, and payroll.

Prerequisite: ENG 50 and MATH 57 or equivalent

Associate Degree Applicable

BUFI: BUSINESS FINANCE**BUFI 1 PRINCIPLES OF FINANCIAL ANALYSIS AND PLANNING**

3 Units

Lecture: 3 hours

This course is an overview of financial issues and problems involved in managing a contemporary business firm. It provides the students with an understanding of financial concepts, the tools for financial analysis and planning, and its importance in management of a firm. It uses a problem-solving and case analysis approach.

Prerequisite: ECON 1, BUAC 1

Associate Degree Applicable

BUFI 2 PRINCIPLES OF CAPITAL BUDGETING & INVESTMENT ANALYSIS

3 Units

Lecture: 3 hours

This course introduces a range of techniques and financial issues dealing with the analysis of a firm's long-term investment decisions and the means and ways of financing such investments. It relies on case studies and has a problem-solving approach.

Prerequisite: BUFI 1

Associate Degree Applicable

BUFI 3 PRINCIPLES OF MONEY, BANKING & FINANCIAL MARKETS

3 Units

Lecture: 3 hours

This course provides an overview of the role of money, financial institutions, and the Federal Reserve System in the U.S. economy. It concentrates on the contemporary domestic and international banking and monetary issues, monetary theory, and the role of monetary policy in the economy. The information provided in this course is very

helpful in understanding domestic and international financial events.

Prerequisite: ECON 1

Associate Degree Applicable

BUFI 12 MONEY MANAGEMENT AND PLANNING FOR THE FUTURE

3 Units

Lecture: 3 hours

This course provides students with an introductory understanding of economic and financial principles and the environment within which consumer and business decisions are made. It helps those interested in pursuing a career in financial services develop an appreciation for financial concerns of their clients. It also helps students make more informed decisions about setting their own career and financial goals, as well as managing their budget, taxes and investments, protecting their assets against risk, and preparing for retirement. Students may choose the credit/no credit grading option.

CSU, Associate Degree Applicable

BUFI 13 INVESTMENT OPPORTUNITIES

3 Units

Lecture: 3 hours

The course provides students with an understanding of the importance of investment in their personal finances as well as various investment opportunities available to them. It presents the features of different types of stocks, corporate bonds, government securities, mutual funds, options, futures, and real estate investments. It also offers students a set of tools and criteria for evaluating these investment instruments in light of their own financial conditions and objectives. Students may choose the credit/no credit grading option.

CSU, Associate Degree Applicable

BUHM: BUSINESS/HOTEL & RESTAURANT**BUHM 50 INTRODUCTION TO THE HOSPITALITY INDUSTRY**

3 Units

Lecture: 3 hours

This course provides a basic understanding of the hospitality industry including lodging, food service, institutional, and resort operations. The history, growth and development, current trends, and organizational structure of the industry are explored with a focus on employment opportunities and future trends.

Prerequisite: ENG 50 or equivalent

CSU, Associate Degree Applicable

BUHM 63 HOTEL/MOTEL OPERATIONS

3 Units

Lecture: 3 hours

This course analyzes management's functions and responsibilities in such areas as administration, organization, communications, accounting, marketing and human relations.

Prerequisite: ENG 50 or equivalent

CSU, Associate Degree Applicable

**BUHM 64 HOTEL/MOTEL PERSONNEL
MANAGEMENT**

3 Units

Lecture: 3 hours

This course prepares the student for the transition from employee to supervisor, including how to handle difficult employees, implement motivational techniques, and conduct performance evaluations.

Prerequisite: ENG 50 or equivalent

Associate Degree Applicable

BUMA: BUSINESS MANAGEMENT

BUMA 1 PRINCIPLES OF MANAGEMENT

3 Units

Lecture: 3 hours

This course is the study of organization design, managerial processes, motivational theories, and current management problems. It is a study of the concepts of management in organizations and the role of manager in a technologically oriented society including planning, organizing, staffing, directing and controlling. The student is provided an opportunity to gain a contemporary knowledge in management design to improve managerial skills and ability.

Prerequisite: ENG 50 or equivalent

CSU, Associate Degree Applicable

BUMA 10 INTRODUCTION TO BUSINESS

3 Units

Lecture: 3 hours

This course is the study of the formation, structure, objectives, and ethics of contemporary American business enterprises. It emphasizes the significance of the small business organization, the role of large business organizations, and practices for the development of managerial personnel. This course is recommended for students who wish to explore a career in business.

Prerequisite: ENG 50 or equivalent

CSU, UC, Associate Degree Applicable

BUMA 20A BUSINESS LAW

3 Units

Lecture: 3 hours

This course is a study of the social forces and the law, the law of contracts, agency and employment, personal property and bailment, business torts and crimes, sales law, labor law and government regulation of business.

Prerequisite: ENG 50 or equivalent

CSU, UC, Associate Degree Applicable

BUMA 20B BUSINESS LAW

3 Units

Lecture: 3 hours

This course is a study of the law in its relation to business with special emphasis on the law of negotiable instruments (promissory notes, checks, bank drafts, and bills of exchange). It includes the study of suretyship and guaranty, insurance, partnerships, corporations, real property, wills, trusts, and bankruptcy.

Prerequisite: ENG 50 or equivalent

CSU, UC, Associate Degree Applicable

**BUMA 24 RESORT PERSONNEL AND
HUMAN RELATIONS**

2 Units

Lecture: 2 hours

This course emphasizes the management of the golf shop and resort personnel from the perspective of the golf professional. Both legal and psychological factors will be examined in order to prepare the golf professional for the role of supervisor, leader, and motivator. Special focus on dealing with the particular needs of country club and resort clientele will be included.

Associate Degree Applicable

BUMA 25 GOLF SHOP OPERATIONS

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course is the study of the principles and techniques involved in managing the modern professional golf shop: selling techniques, psychological factors, merchandise displays. It emphasizes the principles of organizing, financing, and controlling a small business, such as purchasing, pricing, stock control, store layout, policies and security.

Associate Degree Applicable

BUMA 27 MARKETING

3 Units
Lecture: 3 hours

This course is the study of market structures, channels of distribution, pricing and price policy, and market research. It emphasizes the relationship of human behavior and culture to marketing activities. The student participates in individual and class projects designed to reinforce basic marketing theory and concepts.

Prerequisite: ENG 50 or equivalent
CSU, Associate Degree Applicable

BURE: BUSINESS/REAL ESTATE**BURE 1B REAL ESTATE PRACTICUM II
(Copper Mountain only)**

3 Units
Lecture: 3 hours

This course provides an overview of consumer material with special emphasis on agency requirements and ethics. It is designed to meet the entire 45 hour Continuing Education requirements of the Department of Real Estate. Associate Degree Applicable

**BURE 1C REAL ESTATE PRACTICUM III
(Copper Mountain only)**

3 Units
Lecture: 3 hours

This course provides an overview of consumer material with special emphasis on agency requirements and ethics. It is designed to meet the entire 45 hour continuing education requirements of the Department of Real Estate. Associate Degree Applicable

**BURE 2 REAL ESTATE CAREER TRAINING
(Copper Mountain only)**

3 Units
Lecture: 3 hours

This course provides in-depth training for recently licensed real estate salespersons employed in the real estate industry. It involves lectures, supervised work related performance requirements and class assignments. The student will be prepared to generate buyer and seller leads, analyze needs and to meet those needs in a professional and ethical manner.

Associate Degree Applicable

**BURE 2L REAL ESTATE CAREER TRAINING
LAB (Copper Mountain only)**

3 Units
Laboratory: 9 hours

This is the laboratory providing in-depth training for recently licensed real estate salespersons employed in the real estate industry. It includes demonstration projects and measurable on-the-job and class performance objectives. The student will gain career related experience that will enable the student to better meet the needs of the public.

Corequisite: BURE 2
Associate Degree Applicable

**BURE 81 PRINCIPLES OF REAL ESTATE
(Copper Mountain only)**

3 Units
Lecture: 3 hours

This course is a study of the principles of real estate as applied to the following areas: land economics, interests in the uses of land, land transfers, buying and selling of real estate, contracts, liens, and encumbrances, real estate finance; preparation of the student for the professional goal of salesperson.

CSU, Associate Degree Applicable

**BURE 82 REAL ESTATE ECONOMICS
(Copper Mountain only)**

3 Units
Lecture: 3 hours

This course is the study of the economic foundations of real estate with particular emphasis upon the patterns of land use, urban and rural appreciation of values in the community and in the State of California.

Associate Degree Applicable

**BURE 83A REAL ESTATE PRACTICE
(Copper Mountain only)**

3 Units
Lecture: 3 hours

This course is a study of real estate as a career, the practical application of the real estate sale cycle, and orientation into specialized selling. It emphasizes the role and functions of the broker and salesperson in the real estate office, the application of advertising techniques, listings and their valuation, locating buyers, property management and leasing. The student will learn the importance of public relations, personnel policies, and professional ethics.

CSU, Associate Degree Applicable

**BURE 84 LEGAL ASPECTS OF REAL ESTATE
(Copper Mountain only)**

3 Units

Lecture: 3 hours

This course is the study of the laws of California as related to real estate; property acquisitions, transfer, and ownership; interest in property. It is the study of the kinds of tenancy, estate and Federal courts, land contracts, liens, restrictions, landlord and tenant, agency, probate, and taxes. The student will learn the licensing of salespeople and brokers, and laws relating to the real estate profession.

Associate Degree Applicable

**BURE 85 REAL ESTATE FINANCE
(Copper Mountain only)**

3 Units

Lecture: 3 hours

This course is the study of the sources and supply of mortgage funds; construction loans and permanent financing for residential and income properties, procedures for FHA and VA loans, interest-rates, terms, mortgages, and mechanics liens. Students will learn the significance of appraising.

CSU, Associate Degree Applicable

**BURE 86 PRINCIPLES OF APPRAISING
(Copper Mountain only)**

3 Units

Lecture: 3 hours

This course is the study of principles, methods, and techniques for the appraisal of single and multiple dwellings, commercial-business properties, and farm properties. It includes determination of values for loan and insurance purposes, and implications for brokers and salespeople.

Associate Degree Applicable

**BURE 88 REAL ESTATE OFFICE
ADMINISTRATION
(Copper Mountain only)**

3 Units

Lecture: 3 hours

This course is an in-depth coverage of the factors to be considered in opening a real estate office, office policy considerations, as well as operational problems and their solutions. It is a real estate brokerage entrepreneurial training program.

Associate Degree Applicable

**BURE 90 ESCROW PROCEDURES I
(Copper Mountain only)**

3 Units

Lecture: 3 hours

This course is the study of the methods and techniques of escrow procedure for various types of business transactions with emphasis on real estate. Particular attention is given to legal and ethical responsibilities of persons engaged in escrow work.

Associate Degree Applicable

**BURE 91 ESCROW PROCEDURES II
(Copper Mountain only)**

3 Units

Lecture: 3 hours

This course is the study of advanced escrow procedures which includes the more unusual and difficult types of escrows found in real estate transactions. It emphasizes real estate with some personal property and bulk sales.

Prerequisite: BURE 90 or one year escrow experience
Associate Degree Applicable

**BURE 92 ESCROW PROCEDURES III
(Copper Mountain only)**

3 Units

Lecture: 3 hours

This course is a further study of the more unusual and difficult types of escrows with particular attention to those escrows where conflict or dispute arises. It employs a case study approach to the advanced problems in escrow transactions.

Prerequisite: BURE 90 and 91
CSU, Associate Degree Applicable

**BURE 94 PROPERTY MANAGEMENT
(Copper Mountain only)**

3 Units

Lecture: 3 hours

This basic course is the study of accepted principles of professional property management. It includes the evaluation of investment properties, how to conduct neighborhood surveys, collection of rentals, maintenance and repair of property, merchandising rental space, insurance, management, accounting and principles of the landlord-tenant relationship.

Associate Degree Applicable

BUSM: BUSINESS SUPERVISION & MANAGEMENT

BUSM 70 AFFIRMATIVE ACTION FOR SUPERVISORS

2 Units

Lecture: 2 hours

This course is the study of techniques involved in conducting affirmative action programs in business and industry. It emphasizes the legal basis for affirmative action positions taken by employers and supervisors in terms of women and minority employment and advancement rights.

Associate Degree Applicable

BUSM 71 SAFETY MANAGEMENT

2 Units

Lecture: 2 hours

This course is the study of basic principles of accident prevention operating and implementing safety programs under Occupational Safety and Health Act (OSHA).

Associate Degree Applicable

BUSM 81 QUALITY MANAGEMENT

2 Units

Lecture: 2 hours

This course studies the meaning of quality control. It includes an analysis of the various techniques involved in the application of quality control to the many departments in modern industrial organizations.

Associate Degree Applicable

BUSM 82 PURCHASING

2 Units

Lecture: 2 hours

This course is the study of methods and techniques used in the selection and procurement of materials, products, and supplies in industry. It emphasizes the optimal amount, price, payment policy and supplier. The student will learn the typical ordering, receiving and storage management procedures used in industry.

Associate Degree Applicable

BUSM 83 DEVELOPING EMPLOYEES THROUGH TRAINING

2 Units

Lecture: 2 hours

This course is the study of methods involved in the introduction of employees to training and in evaluating their progress through the training process. The student

will learn the techniques of on-the-job instruction, as well as the concepts of apprenticeship, technical training, management development, and the use of consultants and advisory committees in the work place.

Associate Degree Applicable

BUSM 84 JOB ANALYSIS FOR WAGE ADMINISTRATION

2 Units

Lecture: 2 hours

This course analyzes job descriptions, specifications, evaluation, and classifications. It is a study of Local, State and Federal regulations concerning industrial wages.

Associate Degree Applicable

BUSM 91 ELEMENTS OF SUPERVISION

2 Units

Lecture: 2 hours

This is a basic course covering the responsibilities of the industrial supervisor. Major topics include organization, public relations, human relations, training, management-employee relations, production control and promotion practices.

Associate Degree Applicable

BUSM 92 PSYCHOLOGY FOR SUPERVISORS

2 Units

Lecture: 2 hours

This course is the study of the role of the supervisor in understanding the people with whom he/she works; with emphasis on psychological processes, perceptions, learning, emotions, attitudes, and personalities.

Associate Degree Applicable

BUSM 93 HUMAN RELATIONS

2 Units

Lecture: 2 hours

This course is the study of personnel relations as affected by the application of basic psychological techniques. Emphasis is placed on employer-employee relationships.

Associate Degree Applicable

BUSM 94 COMMUNICATION I FOR SUPERVISORS

2 Units

Lecture: 2 hours

This is an introductory course involving the study of oral and written communication designed for supervisors and administrative personnel in industry. It emphasizes individual experiences in speaking and conference leading.

Associate Degree Applicable

**BUSM 95 COMMUNICATION II
FOR SUPERVISORS**

2 Units
Lecture: 2 hours

This is an intermediate course involving the study of oral and written communication designed for supervisors and administrative personnel in industry. It emphasizes standards and physical aspects of communication including graphic aids, physical presentation of reports, public speaking and oral reporting. It will involve learning how to conduct meetings and improving one's listening ability.

Prerequisite: BUSM 94
Associate Degree Applicable

**BUSM 96 LABOR/MANAGEMENT
RELATIONS**

2 Units
Lecture: 2 hours

This course is the study of union contracts, grievances, and collective bargaining procedures. It includes a history of the labor movement with special emphasis placed on Federal and State labor legislation.

Associate Degree Applicable

**BUSM 97 ORGANIZATION PATTERNS
AND MANAGEMENT**

2 Units
Lecture: 2 hours

This course is the study of the establishment of lines of authority, departmental functions, local policies, general procedures and regulation.

Associate Degree Applicable

BUSM 98 WORK SIMPLIFICATION

2 Units
Lecture: 2 hours

This course is the study and analysis of methods designed for improving job procedures and techniques.

Associate Degree Applicable

**BUSM 99 COST CONTROL FOR
SUPERVISORS**

2 Units
Lecture: 2 hours

This course is a study of the factors involved in cost control. It emphasizes such topics as materials, salvage, waste, time, and quality requirements. Also included is a study of the supervisors role in controlling costs.

Associate Degree Applicable

CART: CULINARY ARTS

CART 1 SANITATION AND SAFETY

3 Units
Lecture: 3 hours

This course is a study of the principles of hygiene and sanitation and their application to food service operations. Emphasis will be placed on the implementation of proper methods and procedures and the food handlers responsibility in maintaining high sanitation and safety standards.

CSU, Associate Degree Applicable

CART 3 PRINCIPLES OF COOKING

5 Units
Lecture: 2.8 hours
Laboratory: 6.6 hours

This course is a comprehensive study of the physical changes which take place when preparing foods and the safe and sanitary use of hand tools, knives and kitchen equipment. It will focus on hands-on experience in the production of stocks, broths, glazes, leading and small sauces, gravies, emulsified sauces, soups, cooking methods using moist-heat, dry-heat using fat and the art of seasoning and flavoring.

CSU, Associate Degree Applicable

CART 4 PANTRY

5 Units
Lecture: 3 hours
Laboratory: 6 hours

This course covers the principles and practices used in producing pantry items in a commercial environment. A variety of menu items will be prepared including salads, salad dressings, grill and breakfast items, and sandwiches.

Associate Degree Applicable

CART 5 PRINCIPLES OF BAKING

5 Units
Lecture: 2.8 hours
Laboratory: 6.6 hours

This course provides an understanding of basic characteristics and function of major ingredients. Focus will be on the importance and accuracy of weights measure and hands-on experience in the production of mixing methods of cakes, yeast raised products, danish, breads, croissants, puff pastry, custards, puddings, and basic cake decorating.

Associate Degree Applicable

CART 6 GARDE MANGER

5 Units

Lecture: 2.8 hours

Laboratory: 6.6 hours

This course is a comprehensive study of the skills necessary in the preparation and presentation of cold buffets. It focuses on hands-on experience in the production of aspic jellies, chaud froid sauces, forcemeats, pates, gelatins, sausages, mousses, brines, dry cures, marinades, smoked meats, poultry and fish, salt dough display pieces, vegetable flowers, buffet table and tray centerpieces using fruits and vegetables and ice sculptures.

Associate Degree Applicable

CART 8 CLASSICAL BUFFET DESSERTS & COMPETITION DISPLAYS

5 Units

Lecture: 2.8 hours

Laboratory: 6.6 hours

This is a comprehensive study of classical desserts for buffet display and display and classical competition show pieces. The focus will be hands-on experience in the production and display of pastillage, croquant, chocolate, marzipan, royal icing, spun, pulled and blower sugar.

Associate Degree Applicable

CART 10 FOOD PROCUREMENT AND COST CONTROL

3 Units

Lecture: 3 hours

This course studies the basic principles of purchasing food and beverages, as well as nonfood items, with particular attention to product identification and to the ordering, receiving, storing, and issuing sequence.

Associate Degree Applicable

CART 11 MENU PLANNING

3 Units

Lecture: 3 hours

This course studies the basic principles of menu making for a variety of types of food service operations, economic requirements, nutritional adequacy, skill of personal, and equipment limitations.

Associate Degree Applicable

CART 15 RESTAURANT DESSERTS

4 Units

Lecture: 3 hours

Laboratory: 3 hours

This course provides students with the knowledge and

skills necessary in the production of desserts in a restaurant setting. Emphasis will be placed on practicality, efficient production practices, visual appeal and profitability.

Associate Degree Applicable

CART 28 RESORT FOOD AND BEVERAGE OPERATION

3 Units

Lecture: 3 hours

This course studies the techniques and methods of operating and controlling a food and beverage operation in a club environment. It studies the management techniques necessary for the planning, monitoring and controlling of a food service operation and of the control systems available to insure a profitable operation.

Associate Degree Applicable

CART 33 INTRODUCTION TO BAKING

4 Units

Lecture: 3 hours

Laboratory: 3 hours

This course enables students to learn and practice the skills and methods of production of bread, desserts and other baked goods using quantity production techniques.

Associate Degree Applicable

CART 34 INTERMEDIATE BAKING

4 Units

Lecture: 3 hours

Laboratory: 3 hours

This course provides students with the knowledge and skills necessary for the production of cakes, tortes, french pastries and petit-fours utilizing commercial baking techniques.

Prerequisite: CART 33 or equivalent

Associate Degree Applicable

CART 35 OPERATIONS MANAGEMENT (PRODUCTION COOKING)

4 Units

Lecture: 3 hours

Laboratory: 3 hours

This course covers the principles and practices used in producing menu items in a commercial environment. A variety of menu items will be prepared using quantity food preparation equipment and techniques.

Prerequisite: CART 3

Associate Degree Applicable

CH: CHEMISTRY

**CH 1A,B GENERAL CHEMISTRY
(CAN CHEM SEQ A)**

5 Units
Lecture: 3 hours
Laboratory: 6 hours

This is a two semester course that covers the basic principles and concepts of chemistry, with emphasis on chemical calculations. Inorganic chemistry is stressed, and the material includes a discussion of atomic structure, chemical bonding, molecules, reaction types, thermodynamics, equilibria, and a more detailed study of the chemistry of selected elements. There is a brief introduction to organic, biological, and radiation chemistry. The laboratory part of the course complements the lectures, and covers qualitative analysis.

Note: This course is designed for pre-professional, science, and engineering major transfer students.

Prerequisite for CH 1A: One year high school chemistry or CH 3 or CH 4

Prerequisite for CH 1B: CH 1A
CSU, UC, Associate Degree Applicable

**CH 3 INTRODUCTORY GENERAL
CHEMISTRY**

4 Units
Lecture: 3 hours
Laboratory: 3 hours

This course is the study of the principles of inorganic chemistry. Instruction is given in calculations, atoms, compounds, nomenclature, reaction, composition, stoichiometry, modern atomic theory, bonding and acids & bases. Laboratory is a hands-on experience stressing manipulation, procedure, data and outcome calculations.

Prerequisite: ENG 51 and MATH 50
CSU, UC, Associate Degree Applicable

CH 4 FUNDAMENTALS OF CHEMISTRY

4 Units
Lecture: 3 hours
Laboratory: 3 hours

This course is a survey of basic principles of inorganic, organic and bio-organic chemistry presented on a level for the general student.

Note: This course satisfies the chemistry requirement for RN and Respiratory Therapy students, and is transferable as a physical science with laboratory.

Prerequisite: ENG 51 and MATH 50
CSU, Associate Degree Applicable

CH 5 BIO-ORGANIC CHEMISTRY

4 Units
Lecture: 3 hours
Laboratory: 3 hours

This course is a survey of organic and biological chemistry with an emphasis on the health sciences. It covers the major functional groups of organic and biologically active molecules and their interrelationships.

Note: This course is suitable for Health Sciences students who are required to take one year of chemistry. As such, it is taken in sequence after CH 3 or CH 4.

Prerequisite: CH 1A, CH 1B, CH 3, or CH 4
CSU, UC, Associate Degree Applicable

CH 10A,B ORGANIC CHEMISTRY

5 Units
Lecture: 3 hours
Laboratory: 6 hours

This course is a two semester sequence covering the basic principles and concepts of organic chemistry. An in-depth study is made of the bonding of carbon, stereochemistry and the reactivity of the various functional groups. Reaction mechanisms of aliphatic and aromatic compounds are discussed in detail. An introduction is made to biochemical compounds. It is designed for chemistry, biology and pre-professional majors.

Prerequisite for CH 10A: CH 1B
Prerequisite for CH 10B: CH 10A
CSU, UC, Associate Degree Applicable

CIS: COMPUTER INFORMATION SYSTEMS

CIS 50 COMPUTER KEYBOARDING I

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course is designed for students who need to master computer keyboarding skills. Students develop basic alpha/numeric keyboarding and touch typing skills, and increase their ability to communicate information. No previous electronic keyboard or computer experience is necessary.

Prerequisite: ENG 50
Associate Degree Applicable

CIS 51 COMPUTER KEYBOARDING II

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course builds on students' basic competencies developed in CIS 50. Emphasis is placed on increasing speed, improving accuracy, learning word processing functions, developing formatting skills, applying communication skills, and learning document production skills.

Prerequisite: CIS 50

Associate Degree Applicable

CIS 70A COMPUTER BUSINESS APPLICATIONS FOR WINDOWS

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course is designed for students with no previous computer experience who want to learn how to use an IBM-compatible personal computer with an emphasis on Windows techniques. Using the Windows/graphical user interface approach, students develop basic skills in three applications: word processing, spreadsheets, and database management. Students are also introduced to the INTERNET and Geographic Information Systems (GIS) concepts.

Prerequisite: ENG 50

CSU, Associate Degree Applicable

CIS 72D EXCEL I

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course provides basic concepts and practical applications using Excel for Windows. Students receive instruction and computer experience using electronic spreadsheets to solve common numerical and accounting-based problems.

Prerequisite: CIS 70A

Associate Degree Applicable

CIS 70B WINDOWS AND THE INTERNET

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course examines the fundamental concepts of the Windows operating system and the Internet. Students learn to install, configure and use Windows and Internet hardware and software for maximum productivity and

efficiency. Emphasis is placed on the ability to find, save and retrieve information.

*Prerequisite: CIS 70A**Advisory: Additional lab time (CS 97, CS 98, or CS 99) may be required or recommended, depending on the abilities and progress of individual students.*

Associate Degree Applicable

CIS 73C ACCESS I

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course provides beginning and intermediate concepts and practical applications in database management using Windows. Students receive instruction and experience needed to design, create, customize, organize, extract, and store information using Access.

Prerequisite: CIS 70A

Associate Degree Applicable

**CIS 75B WORDPERFECT I
(Copper Mountain only)**

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course introduces students to beginning and intermediate skills on microcomputers through word processing concepts and procedures in the WordPerfect for Windows environment. Applications include communicating with the mouse and the keyboard, editing, revising and printing documents. Document production includes basic business communications, reports, tables, formatting, and other basic word processing features.

Prerequisite: CIS 70A

Associate Degree Applicable

CIS 76B WORD I

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course introduces students to beginning and intermediate microcomputer skills through word processing concepts and procedures in the Word for Windows program. Applications include communicating with the mouse and the keyboard, editing, revising, and printing documents. Document production includes basic business communications, reports, tables, formatting and other basic word processing features.

Prerequisite: CIS 70A

Associate Degree Applicable

**CIS 77B WORDPERFECT II
(Copper Mountain only)**

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course provides advanced word processing applications using WordPerfect for Windows. Emphasis is placed on working with the following advanced WordPerfect features in the Windows environment: graphics, macros, fonts, math functions, file management, the sort and select features, merge, and beginning desktop publishing techniques.

Prerequisite: CIS 75B
Associate Degree Applicable

CIS 78B WORD II

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course provides advanced word processing applications using Word for Windows. Emphasis is placed on working with features such as macros, fonts and graphics, math functions, file management, sort and select features, style sheets, and an introduction to desktop publishing techniques.

Prerequisite: CIS 76B
Associate Degree Applicable

CIS 82B PAGEMAKER I

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course provides an introduction to Pagemaker using the Windows environment, including text processing, graphics, composition, layout and design. Students receive instruction and computer experience using a variety of desktop publishing software and laser printers to produce camera-ready, near typeset-quality reports, newsletters, business forms, and presentations.

Prerequisite: CIS 77B or CIS 78B
Associate Degree Applicable

CIS 82C WEB PUBLISHING I

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course teaches students to format World Wide Web pages using Hypertext Markup Language (HTML). Emphasis is placed on development of effective pages. Students learn to incorporate text, graphics, audio files,

video files, animation and three-dimensional effects into their Web pages.

Prerequisite: CIS 70B
Advisory: ART 3A or ART 40
CSU, Associate Degree Applicable

CIS 82D COMPUTER GRAPHICS I

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course provides an introduction to the process of creating, capturing, and modifying graphical images using the software most commonly found in the graphical design industry today: Adobe Photoshop, Adobe Illustrator, and Macromedia FreeHand. Photoshop is used for the capture and manipulation of images either scanned or digitally photographed: Illustrator and FreeHand are used for the original creation of both type and artwork, with emphasis on layout, color and content.

Prerequisite: CIS 70A
CSU, Associate Degree Applicable

CIS 83B PAGEMAKER II

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course provides advanced applications in desktop publishing using Pagemaker and Windows. Emphasis is placed on design of effective publications. Students receive instruction and computer experience to develop graphic and composition techniques needed for flyers, brochures, newsletters, and presentation publications.

Prerequisite: CIS 82B
Associate Degree Applicable

CIS 83C WEB PUBLISHING II/JAVASCRIPT

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course teaches students to incorporate interactive JavaScript elements in Web pages. They learn how to understand and use the document object model; event handlers, variables and functions; browser detection; forms validation; text and image rollovers; and common programming elements, including arrays, loops and logical operations.

Prerequisite: CIS 82C
CSU, Associate Degree Applicable

CIS 83D COMPUTER GRAPHICS II

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course provides advanced applications in computer graphics techniques, using the software most commonly found in the graphic design industry today: Adobe Photoshop, Adobe Illustrator, and Quark XPress. Emphasis is placed on the computer as a design tool to assemble type and manipulate images for the printed page and Web publication.

Prerequisite: CIS 82D
CSU, Associate Degree Applicable

CIS 85 INTRODUCTION TO TELECOMMUNICATIONS (Copper Mountain only)

3 Units
Lecture: 3 hours

This course provides basic information and concepts in the field of telecommunications. Emphasis is placed on telecommunications technology and its applications to business and office management.

Prerequisite: CIS 70A or equivalent
Associate Degree Applicable

CM: CONSTRUCTION MANAGEMENT

CM 1 INTRODUCTION TO CONSTRUCTION MANAGEMENT

2 Units
Lecture: 2 hours

This course provides an overview of the construction industry and its markets. The impact, practices, methods and ethics in the construction industry will be reviewed.

Prerequisite: ARCH 1 or equivalent; MATH 57 or equivalent
CSU, Associate Degree Applicable

CM 2 INTRODUCTION TO URBAN PLANNING

3 Units
Lecture: 3 hours

This course provides a critical analysis of the theory and practice of land use planning with an emphasis on the urban context. Also, the historical and legal basis for land use planning, traditional and alternative roles of planning in contemporary society will be studied along with the planning process, planning tools and practices.

Prerequisite: ARCH 1 or equivalent
CSU, Associate Degree Applicable

CM 3 SITE AND TERRAIN ANALYSIS

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course is an introduction to various methods and techniques used to inventory and analyze landscape features. Students will also study mapping, overlay techniques, environmental ethics, case study review and an overall assessment of the function and structure of the natural landscape.

Prerequisite: CM 6
CSU, Associate Degree Applicable

CM 4 CONSTRUCTION LAW SURVEY

3 Units
Lecture: 3 hours

This course is a summary of the legal implications of contractor license laws; mechanics lien laws, CAL-OSHA, and Construction Contracts. Laws of liability, worker's compensation, state and federal laws affecting construction and compliance problems will be covered.

CSU, Associate Degree Applicable

CM 5 CONSTRUCTION PLANNING

3 Units
Lecture: 3 hours

This course covers the concepts used in planning, scheduling and control of construction projects. Use of graphic charts and the Critical Path Method (CPM) will be featured. Also covered are program evaluation and review techniques (PERT), time assignment and computation, diagramming practices, monitoring and updating, and computer utilization.

Prerequisite: ARCH 12
CSU, Associate Degree Applicable

CM 6 CONSTRUCTION SURVEYING

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course is an introduction of the principles and practices used in construction surveying. Students will become familiar with the use and care of transits, levels, scales, and related equipment. Topics covered include: land measurements, differential leveling, cut and fill computations, contours, traverses, shape staking and deed descriptions.

CSU, UC, Associate Degree Applicable

CM 7 INTRODUCTION TO PLANS AND SPECIFICATIONS

3 Units
Lecture: 3 hours

This course is a study of the basic information for reading construction details and working drawings. Emphasis on specifications and building codes as requirements for building permits will also be covered.

Corequisite: DRA 1 or prior completion or equivalent
CSU, Associate Degree Applicable

CM 8 CONSTRUCTION ESTIMATING I

3 Units
Lecture: 3 hours

This course covers methods used in estimating costs and quantities of construction materials, equipment and labor in residential and light commercial construction. A review of basic math, architectural drawings, specifications and contracts will also be covered.

CSU, Associate Degree Applicable

CS - COMPUTER SCIENCE

CS 71D EXCEL II

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This is an advanced Excel for Windows course. Students create comprehensive business and technical spreadsheet systems using advanced Excel techniques. Topics covered include: macros, sub-macros, autoexecutable macros and the macro command language; linking or combining multiple worksheets; table and table lookup operations; financial and statistical applications, and advanced data operations, including linear regression, randomization and simulation.

Prerequisite: CIS 72D
Associate Degree Applicable

CS 71E ACCESS II

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This is an advanced Access for Windows programming course. Students design, write, and debug fully integrated Data Base Management Systems using the Access programming language. Topics covered include: Access program structure, syntax and command set; use of multiple, interrelated files; database file design; and advanced use of custom screen displays and formatted reports.

Prerequisite: CIS 73C
Associate Degree Applicable

CS 72D NETWORKING I

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course introduces the basic concepts of computer networks. Subjects discussed include defining, establishing and maintaining peer-to-peer and client server networks. Students learn cabling and physical configuration options, installing and setting up network interface cards, and creating and managing peer-to-peer and client server networks. The Windows 95 and Windows NT 4.0 operating systems are used for network operating systems. Students also learn to troubleshoot common network problems.

Prerequisite: CS 73, CS 86
CSU, Associate Degree Applicable

CS 73 INTRODUCTION TO COMPUTER SCIENCE

3 Units
Lecture: 3 hours

This is an introductory course in computer concepts and terminology. Topics covered include: historical development of computers; hardware and software definitions and terminology; categories of system software and application software, including word processing, electronic spreadsheets, and database management; machine language, assembler language, and high-level programming languages; the systems development process; careers in data processing; and legal, moral, and ethical issues associated with computers.

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

CS 74A INTRODUCTION TO MULTIMEDIA DEVELOPMENT (Copper Mountain only)

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course provides an introduction to multimedia development, also known as courseware authoring. The course is designed to teach students techniques and methods needed to produce a multimedia production for games, advertisements, industrial or classroom presentations. Students also receive instructions on how to record their multimedia presentation onto a CD-ROM, thus producing a stand-alone project.

Prerequisite: CIS 70A, CS 73, and CS 73L
CSU, Associate Degree Applicable

**CS 74B MULTIMEDIA DEVELOPMENT
PRACTICUM (Copper Mountain only)**

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course provides practical, hands-on implementation of skills mastered in CS 74A to multimedia development. The course is designed to allow students to create a multimedia production in the area of games, advertisements, industrial or classroom presentations. Additionally, CD-ROM recording techniques, advanced video capture, sound capture, and laser capture techniques are included. The end result of this course is the production of a student's own CD-ROM based upon a semester long design, development and implementation project.

Prerequisite: CS 74A
Advisory: ART 3A or ART 40
CSU, Associate Degree Applicable

CS 80 SYSTEMS ANALYSIS AND DESIGN

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course provides an overview of the systems development process. Students participate in a semester-long project in which they take a systems design problem from formulation to implementation. Topics covered include: defining the problem; obtaining user requirements; hardware and software selection; system implementation and maintenance; training and development considerations; and formal documentation procedures.

Prerequisite: CS 73, CS 86
CSU, Associate Degree Applicable

CS 86 VISUAL BASIC PROGRAMMING I

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This is an introductory course in computer programming concepts. Students design, write and debug programs using the principles of structured programming. Topics covered include: programming language structure and syntax; algorithm development, logic and design considerations and program development tools; error handling and debugging; functions, subprograms and parameter passing; conditional and relational operators, selection and looping structures; array processing; sequential and random file access; and an introduction to object oriented programming.

Prerequisite: CIS 70A
CSU, UC, Associate Degree Applicable

CS 86A VISUAL BASIC PROGRAMMING II

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This is an advanced course in Visual Basic programming. Students design, write, and debug Visual Basic programs using structured programming concepts. Topics covered include: graphics and animation; interfacing with windows; keyboard and screen control; recursion; object linking and embedding (OLE), dynamic data exchanges (DDE), and dynamic linked libraries (DLL); linking to C language programs; and incorporating sound and multimedia.

Prerequisite: CS 86
CSU, UC, Associate Degree Applicable

**CS 87 ASSEMBLER LANGUAGE
PROGRAMMING**

4 Units
Lecture: 3 hours
Laboratory: 3 hours

This is an introductory course in assembler language programming. Students design, write, and debug assembler language programs using structured programming concepts. Topics covered include: decimal, binary, and hexadecimal numbering systems; personal computer architecture; memory, addresses and registers; assembler directives; subroutines and the stack; interrupts; string functions; command line parameters; external subroutines, segments, groups and macros.

Prerequisite: CS 73 and CS 86
CSU, UC, Associate Degree Applicable

CS 88 JAVA PROGRAMMING

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course focuses on application development using Java. Proper syntax and operating procedures are covered, along with design and programming techniques for object-oriented programs in Java. Additional topics include Applet Programming in Java, exception handling, graphics, font, colors, multithreading, streams, and native methods and libraries.

Prerequisite: CS 86
CSU, UC, Associate Degree Applicable

CS 89 C++ PROGRAMMING I

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This is an introductory course in C++ programming. Students design, write, and debug C++ programs using structured programming concepts. Topics covered include: C++ structure and syntax; algorithm development; fundamental data types; functions and parameter passing; arrays and addresses; conditional and relational operators; space and time scope of variables; sequential and random access file processing; command line arguments; string manipulation; objects, classes and data abstraction; inheritance, reusability, polymorphism and overloading.

Prerequisite: CS 73 and CS 86

CSU, UC, Associate Degree Applicable

CS 89A C++ PROGRAMMING II

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This is an advanced course in C++ programming. Students design, write, and debug C++ programs using structured programming concepts. Topics covered include: pointers; linked lists, unions and data structures; bit operations, user-defined data types; recursion; incorporation of assembly language subroutines; and advanced graphical and animation techniques.

Prerequisite: CS 89

CSU, UC, Associate Degree Applicable

CS 97A-D MICROCOMPUTER APPLICATIONS LAB

½ Unit

Laboratory: 1.5 hours

CS 98A-D

1 Unit

Laboratory: 3 hours

CS 99A-D

2 Units

Laboratory: 6 hours

Microcomputer Applications Lab is an open entry/open exit environment designed to develop microcomputer skills for students in all segments of the college community. Emphasis is on the one-to-one tutorial approach, with time devoted to completing lab projects assigned in computer-related courses. This is a credit/no credit graded course.

*Corequisite: CS or CIS course***DANC - DANCE****DANC 15 HISTORY OF DANCE**

3 Units

Lecture: 3 hours

This survey course examines the chronological development of dance and includes the study of pre-classic through contemporary forms. Representative readings, papers and laboratory projects will be required.

Prerequisite: ENG 50

CSU, UC, Associate Degree Applicable

DRA: DRAFTING, GENERAL & COMPUTER**DRA 1 TECHNICAL DRAFTING I**

3 Units

Lecture: 2 hour

Laboratory: 3 hours

This introductory course covers basic skills in lettering; line control; use of architecture, engineering and metric scales; freehand and mechanical drawing techniques; and shape description using drafting tools. This is a required course for Environmental Design students majoring in Drafting, Architecture, Interior Design, Landscape Design and Engineering.

*Prerequisite: ENG 50 or equivalent;
MATH 57 or equivalent*

CSU, Associate Degree Applicable

DRA 7 CAD DRAFTING/DESIGN PROJECT

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course provides application of computer aided drafting and design techniques to selected projects. Advanced students majoring in architecture, drafting, interior design, landscape design or engineering will select projects from their field of study with the approval of their major professor for completion using AutoCAD or VersaCAD.

CSU, Associate Degree Applicable

DRA 8 AUTOCAD LEVEL I: BASIC DRAWING TECHNIQUES

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course covers the basics of computer aided drafting and design including hardware, software, operating systems and development of skills for creating and plotting simple technical and architectural drawings. This course will use AutoCAD software.

Prerequisite: DRA 1 or equivalent
CSU, Associate Degree Applicable

DRA 9 AUTOCAD LEVEL II: ADVANCED DRAWING TECHNIQUES

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course covers advanced drawing techniques. Students study productivity techniques, advanced dimensioning, hatching, multiple viewpoint plotting using AutoCAD software. Students develop skills in creating three-dimensional drawing and surface modeling.

Prerequisite: DRA 8
CSU, Associate Degree Applicable

DSPS: DISABLED STUDENTS PROGRAMS & SERVICES

DSPS 40 SURVEY OF RESOURCES FOR STUDENTS WITH DISABILITIES

2 Units
Lecture: 2 hours

This course focuses on self-assessment of the student who is disabled. It also introduces the student to the information and skills necessary for success in college. Course topics include development of personal goals, as well as use of services provided by DSPS, other student support services and community resources. Students develop realistic educational plans consistent with their educational goals and learn what accommodations will be necessary to achieve these goals.

DSPS 40A PERSONAL ASSESSMENT FOR STUDENTS WITH DISABILITIES

2 Units
Lecture: 2 hours

This course explores the individual needs and goals of students with disabilities, including the college experience, guidance, counseling, support services and

employment. Emphasis is on information dissemination and self-assessment.

CSU, Associate Degree Applicable

DSPS 40B EMPLOYMENT FOR INDIVIDUALS WITH DISABILITIES

2 Units
Lecture: 2 hours

This course focuses on the fundamentals of employment and the process of developing goals for future employment of persons with disabilities.

CSU, Associate Degree Applicable

DSPS 41 INFORMATION MANAGEMENT STRATEGIES

2 Units
Lecture: 1.5 hours
Laboratory: 1.5 hours

Course emphasis is to develop or enhance the ability of students with disabilities to manage and organize information. Multimedia instruction is utilized. The lecture section includes specific software programs designed to assist students in the management of information in a technological society. The lab section provides repetition of the stimulus topic via software utilization, specialized hardware, plus individualized computer assisted instruction specific to word processing skill development.

DSPS 42 ALTERNATIVE LEARNING STRATEGIES

2 Units
Lecture: 1.5 hours
Laboratory: 1.5 hours

This specialized computer assisted instruction is primarily for students with learning disabilities and/or acquired brain injuries. Students with other disabilities may also benefit from this course. Students are provided strategies and opportunities to maximize their learning potential and increase academic efficiencies.

DSPS 44 COMPUTER ACCESS KEYBOARDING

1 Unit
Laboratory: 3 hours

This course provides students with verified disabilities individualized training in keyboarding and word processing skills specific to the microcomputer and the technological adaptations chosen. It is designed to teach adapted keyboarding basics to students with disabilities for successfully accessing the functioning of a keyboard or screen in a regular typing class.

**DSPTS 45A JOB SKILLS DEVELOPMENT -
VOCATIONAL EXPLORATION**

1 Unit
Lecture: 1 hour

This course is designed to assist students with disabilities in developing specific goals for employment. Its focus is on personal and vocational assessment, clarification of values, identification of skills, and the development of a vocational plan.

Recommended: Students with disabilities

**DSPTS 45B JOB SKILLS DEVELOPMENT -
JOB APPLICATIONS & RESUME
WRITING**

½ Unit
Lecture: ½ hour

This course is designed to assist students with disabilities in successfully completing job applications and writing a resume.

Recommended: Students with disabilities

**DSPTS 45C JOB SKILLS DEVELOPMENT -
JOB INTERVIEW SKILLS**

½ Unit
Lecture: ½ hour

This course is designed to assist students with disabilities to develop successful job interviewing skills.

Recommended: Students with disabilities

**DSPTS 47A-D COMPUTER ACCESS
APPLICATIONS**

1 Unit
Laboratory: 3 hours

Students with various verified disabilities implement and utilize acquired skills with personalized adapted computer technologies to perform tasks required of regular course enrollment(s) and participation.

Prerequisite: Must be taken in sequence

**DSPTS 301 SPECIALIZED LEARNING SKILLS
DEVELOPMENT**

0 Units

Students are individually evaluated to determine their specific learning disability. Individual learning strategies are developed and students learn to use appropriate accommodations, emphasizing computer hardware and software.

Corequisite: DSPTS 304

Recommended: Referral by the Learning Disability Specialist

DSPTS 304 INSTRUCTIONAL SUPPORT LAB

0 Units

The Instructional Support Lab is a laboratory situation that provides access to a Learning Specialist for students with disabilities. The specialist designs and instructs an individualized program of learning activities to support students who are otherwise enrolled in regular programs.

Advisory: Intended for students with disabilities

DSPTS 305 COMPUTER ACCESS ASSESSMENT

0 Units

Skills training for personal utilization of selected adapted technology will be provided for students with verified disabilities.

ECE: EARLY CHILDHOOD EDUCATION

**ECE 1 INTRODUCTION TO EARLY
CHILDHOOD PROGRAMS**

1 Unit
Lecture: 1 hour

This course provides an overview of the field of child development/early childhood education, including the history and philosophy of early childhood programs, exploration of the various types of programs, and the job potential for students. Students will be required to visit and report on five different types of programs in the community.

Prerequisite: ENG 50
Associate Degree Applicable

ECE 10A CHILD GROWTH & DEVELOPMENT

3 Units
Lecture: 3 hours

This course studies the developing child with emphasis on the physical, social, psychological, and intellectual growth from conception through five years of age. It includes the major theories of emotional, social, physical and cognitive development. It is the basic introductory course for all Early Childhood Education majors, and is required for teacher licensing in private centers, and for a California Children's Center Permit.

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

ECE 10B CHILD DEVELOPMENT: SCHOOL AGE & ADOLESCENCE (AGES 6-18)

3 Units

Lecture: 3 hours

This course studies the developing child with emphasis on the physical, social, psychological, and intellectual growth from six years of age through adolescence. Identification of the key concepts, comparison of theoretical perspective, application of empirical generalizations, and analysis of major issues for this age group is of primary concern for this course.

Prerequisite: ECE 10A

CSU, UC, Associate Degree Applicable

ECE 12 CHILD, FAMILY & COMMUNITY

3 Units

Lecture: 3 hours

This course studies the influence of contemporary family and cultural patterns on young children. Emphasis will be placed on establishing effective school-parent relationships through conferences and parent meetings. Community resources and agencies that strengthen families will be examined. This course is required by the California State Department of Social Services for teachers and directors.

Prerequisite: ECE 10A or concurrent enrollment

CSU, Associate Degree Applicable

ECE 14 EARLY CHILDHOOD PRINCIPLES & PRACTICES

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course explores the basic techniques of working with young children, including: promoting self-esteem; creativity; self-discipline; development of physical and cognitive skills; and planning appropriate curriculum.

Prerequisite: ECE 10A, ECE 12, and ECE 42

CSU, Associate Degree Applicable

ECE 15 EARLY CHILDHOOD LABORATORY

2 Units

Laboratory: 6 hours

Under supervision at the Child Development Center, the student participates in all classroom activities. The student's experience includes implementation and supervision of curriculum activities, teaching a group of children, curriculum planning and staff supervision. Students access own professional competence and

progress and write a resume while developing a plan for future employment and growth. Students also develop interview skills.

Prerequisite: ECE 14 or concurrent enrollment

CSU, Associate Degree Applicable

ECE 16 PARENTING THE CHILD UNDER SIX

1 Unit

Lecture: 1 hour

This course explores parent-child interaction patterns. Students examine age-appropriate behaviors, problem behaviors, observation and communication strategies.

Associate Degree Applicable

ECE 19 CHILDREN'S LANGUAGE AND LITERATURE

3 Units

Lecture: 3 hours

This course is to help teachers build language opportunities into every curriculum area; to explore methods of fostering language skills of the young child; and introduce prereading experiences. It includes the study of children's literature, standards for evaluating books and computer software, techniques of story telling and puppetry.

Prerequisite: ECE 10A

CSU, Associate Degree Applicable

ECE 20 INFANT/TODDLER GROWTH AND DEVELOPMENT

3 Units

Lecture: 3 hours

This course studies the process of human development from conception through age two as determined by heredity, society and human interaction with implication for child guidance. Prenatal development and the birth process are emphasized. Observation of a neonate, infant and toddler are required.

Prerequisite: ECE 10A

CSU, Associate Degree Applicable

ECE 21 INFANT/TODDLER ENVIRONMENTS

2 Units

Lecture: 2 hours

This course prepares students to develop an infant and/or toddler curriculum including design of a developmentally appropriate learning environment. It explains the philosophies and methods currently in practice. It will emphasize teacher competencies necessary for working with children in these stages.

Prerequisite: ECE 10A or ECE 20

Associate Degree Applicable

ECE 22 NUTRITION/MENU PLANNING FOR CHILDREN

1 Unit
Lecture: 1 hour

This course explores the importance and value of nutrition in programs for young children. Students will understand and devise ways of teaching basic concepts, be able to evaluate activities and construct appropriate materials for young children. Planning and preparation of parent educational materials with an emphasis on nutritious meals and snacks for children will also be included. Basic menus for children's programs will be identified.

Prerequisite: ECE 10A
CSU, Associate Degree Applicable

ECE 23 THE MENTOR TEACHER

2 Units
Lecture: 2 hours

Methods and principles of supervising adults who are student teachers, assistants or volunteers in early childhood classrooms. Emphasis is on the role of experienced classroom teachers who function as mentors to new teachers while simultaneously addressing the needs of children, parents and other staff.

Prerequisite: ECE 14
CSU, Associate Degree Applicable

ECE 24 ADMINISTRATION OF PROGRAMS FOR YOUNG CHILDREN

3 Units
Lecture: 3 hours

This course examines the requirements for the administration of programs for young children including private and publicly funded day care centers and preschool programs, emphasizing business procedures. It is required by the State Department of Social Services for directors of private preschools and child care programs.

Prerequisite: ECE 10A, completion of 9 units in ECE
CSU, Associate Degree Applicable

ECE 25 ADVANCED ADMINISTRATION OF PROGRAMS FOR YOUNG CHILDREN

3 Units
Lecture: 3 hours

This course provides an advanced level of administrative and managerial knowledge needed to operate a child care center as a successful business. Emphasis will be on personnel management procedures.

Prerequisite: ECE 24, completion of 12 units in ECE
CSU, Associate Degree Applicable

ECE 26 MUSIC & MOVEMENT ACTIVITIES FOR THE SCHOOL AGE CHILD

2 Units
Lecture: 2 hours

This course explores the importance and meaning of music and movement for the school age child. It emphasizes listening skills, singing, movement education, creating instruments, and playing the autoharp.

Prerequisite: ECE 10B
Associate Degree Applicable

ECE 30A EARLY CHILDHOOD CURRICULUM DESIGN & IMPLEMENTATION -Part I

1 Unit
Lecture: 1 hour

This course is a study of curriculum development for early childhood programs. Included will be the relationship of child development principles to curriculum design and organization, daily routine and room arrangement. Understanding how children develop language, representation and social skills is emphasized.

Prerequisite: ECE 10A
CSU, Associate Degree Applicable

ECE 30B EARLY CHILDHOOD CURRICULUM DESIGN & IMPLEMENTATION -Part II

1 Unit
Lecture: 1 hour

This course is an intermediate level study of curriculum development for early childhood programs. Included will be developmentally appropriate strategies for worktime, circle time and writing lesson plans. Understanding how children develop number and logical reasoning skills are emphasized.

Prerequisite: ECE 30A
CSU, Associate Degree Applicable

ECE 30C EARLY CHILDHOOD CURRICULUM DESIGN & IMPLEMENTATION -Part III

1 Unit
Lecture: 1 hour

This course is an advanced level study of curriculum development of early childhood programs. Included are developmentally appropriate strategies for small group time and outside time. Assessment of young children and understanding how children develop concepts of space and time are emphasized. Music and movement activities for young children will also be included.

Prerequisite: ECE 30A
CSU, Associate Degree Applicable

ECE 32 CHILD ABUSE AND NEGLECT

1 Unit
Lecture: 1 hour

This course examines physical abuse and neglect, emotional abuse and neglect, and sexual abuse of children. Emphasis is on how the classroom teacher, foster parents, and members of the general public can prevent, detect and intervene in cases of child abuse.

CSU, Associate Degree Applicable

ECE 33 SURVEY OF SPECIAL EDUCATION

3 Units
Lecture: 3 hours

This course provides an introduction to special education in the public schools. Legal aspects, assessment, placement and examination of all the disabilities served in the public school and child care setting will be examined. The role of child care professionals and paraprofessionals in the field of special education is emphasized.

Prerequisite: ECE 10A
CSU, Associate Degree Applicable

ECE 35A UNDERSTANDING THE EMOTIONALLY HANDICAPPED CHILD

1 Unit
Lecture: 1 hour

This course studies specific characteristics of children suffering from emotional disabilities as a result of cultural, environmental factors or organic causes. The psycho-education treatment and curriculum consideration is analyzed.

Prerequisite: ECE 10A and PSY 1 or PSY 3
Associate Degree Applicable

ECE 35B UNDERSTANDING THE LEARNING DISABLED CHILD

1 Unit
Lecture: 1 hour

This course studies specific characteristics of children suffering from learning handicaps. The laws regarding placement, diagnosis, assessment techniques, and methods for remediation are analyzed.

Prerequisite: ECE 10A and PSY 1 or PSY 3
Associate Degree Applicable

ECE 35C UNDERSTANDING THE DEVELOPMENTALLY DISABLED CHILD

1 Unit
Lecture: 1 hour

This course studies the different types of children in the

developmentally disabled population. The current laws, curriculum, treatment methods and family involvement techniques are included.

Prerequisite: ECE 10A and PSY 1 or PSY 3
Associate Degree Applicable

ECE 35D WORKING WITH THE PHYSICALLY HANDICAPPED CHILD

1 Unit
Lecture: 1 hour

This course studies the physical handicaps of children and the characteristics of those handicaps. Emphasis is placed on the understanding, main-streaming and the responsibilities of the classroom teacher, parents and the specialist.

Prerequisite: ECE 10A and PSY 1 or PSY 3
Associate Degree Applicable

ECE 40A CREATIVITY IN YOUNG CHILDREN

2 Units
Lecture: 2 hours

This course examines materials and techniques which foster the development of creativity in young children. Various sensory modalities are explored including identification of sensory-motor environment components.

Prerequisite: ECE 10A or concurrent enrollment
CSU, Associate Degree Applicable

ECE 40B MOVEMENT ACTIVITIES FOR YOUNG CHILDREN

2 Units
Lecture: 2 hours

This course emphasizes movement activities designed to develop gross and fine motor skills and increase self-confidence in young children.

Prerequisite: ECE 10A or concurrent enrollment
CSU, Associate Degree Applicable

ECE 40C MUSIC FOR YOUNG CHILDREN

2 Units
Lecture: 2 hours

This course emphasizes the development of curriculum ideas for using music to develop listening ability, rhythm dancing, singing, identifications of instruments and pitch. Teaching techniques and materials appropriate to the growth and development of young children are explored.

Prerequisite: ECE 10A or concurrent enrollment
CSU, Associate Degree Applicable

**ECE 40D SCIENCE & NUMBER CONCEPTS
FOR YOUNG CHILDREN**

2 Units
Lecture: 2 hours

This course explores the development of curriculum ideas for teaching our environment and conservation of natural resources to young children. Included will be the sequence of mathematical concepts appropriate to different stages of development.

Prerequisite: ECE 10A or concurrent enrollment
CSU, Associate Degree Applicable

**ECE 42 PLAY, SOCIALIZATION AND
DISCIPLINE**

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course explores the applications of developmental theory for designing early childhood settings, for understanding and guiding child behavior, and for communicating and interacting with young children. Included will be a discussion of behavior problems and methods of self-discipline, criteria modification and positive reinforcement techniques, and principles of play actions in relation to the socialization used for directed experiences in working with children in a child development setting.

Prerequisite: ECE 10A or concurrent enrollment
CSU, Associate Degree Applicable

**ECE 43A,B PARENT EDUCATION AND
PARTICIPATION**

1½ Units
Lecture: 1 hour
Laboratory: 1.5 hours

These courses are designed to provide parents with the opportunity to learn and practice positive child rearing strategies in a laboratory setting with their own children. Class participants are encouraged to bring their children, ages 1-6, with them to class. ECE 43A emphasizes physical and cognitive development of young children along with discipline strategies that encourage responsible behavior. ECE 43B emphasizes social and emotional development of young children and strategies that support effective communication.

Associate Degree Applicable

ECE 44 CHILD HEALTH AND SAFETY

2 Units
Lecture: 2 hours

This course provides information on the physical and

mental health of children in an early childhood educational setting. The course includes CPR, safety standards, sanitation principles, and community health resources.

Prerequisite: ECE 10A
CSU, Associate Degree Applicable

ECE 45A LICENSED FAMILY CHILD CARE I
1 Unit

Lecture: 1 hour

This course prepares students to integrate basic principles of child development in establishing a quality child care program within a family home environment. How to set up a recordkeeping system and files for each child will be emphasized. Information about good health and nutrition practices and adult CPR certification is included.

Associate Degree Applicable

ECE 45B LICENSED FAMILY CHILD CARE II
1 Unit

Lecture: 1 hour

This course prepares students to integrate basic principles of child development in establishing a quality child care program within a family home environment. Understanding of the strengths and limitations of 0 to 6 year old children is emphasized along with requirements for age-appropriate curriculum. Fire safety procedures, earthquake preparedness and infant/child CPR will be included.

Associate Degree Applicable

ECE 60 KEEPING CHILDREN SAFE

1½ Units
Lecture: 1.5 hours

This course enables providers of childcare for infants through school age children to develop the skills necessary to provide a safe indoor and outdoor environment, to respond to emergencies appropriately, and to help children develop safety habits.

Advisory: Eligibility for ENG 51
CSU, Associate Degree Applicable

**ECE 61 PROMOTING GOOD HEALTH AND
NUTRITION IN CHILDREN**

1½ Units
Lecture: 1.5 hours

This course enables providers of childcare for infants through school age children to develop a healthy indoor and outdoor environment, to teach children to practice healthful activities, and to develop a reporting process for child abuse and neglect.

Advisory: Eligibility for ENG 51
CSU, Associate Degree Applicable

ECE 62 CREATING A LEARNING ENVIRONMENT FOR CHILDREN

1½ Units
Lecture: 1.5 hours

This course enables providers of childcare for infants through school age children to acquire the skills necessary to encourage play and exploration, to select and arrange appropriate materials and equipment that foster growth and learning, and to plan schedules and routines appropriate to the ages of the children.

Advisory: Eligibility for ENG 51
CSU, Associate Degree Applicable

ECE 63 PROMOTING PHYSICAL DEVELOPMENT IN CHILDREN

1½ Units
Lecture: 1.5 hours

This course enables providers of childcare for infants through school age children to reinforce and encourage children's physical development and to select the appropriate equipment and activities for gross and fine motor development.

Advisory: Eligibility for ENG 51
CSU, Associate Degree Applicable

ECE 64 PROMOTING COGNITIVE DEVELOPMENT IN CHILDREN

1½ Units
Lecture: 1.5 hours

This course enables providers of childcare for infants through school age children to develop the skills necessary to provide opportunities for children to use their senses to explore, interact, build confidence, and develop a cognitive frame of reference.

Advisory: Eligibility for ENG 51
CSU, Associate Degree Applicable

ECE 65 ENCOURAGING COMMUNICATION IN CHILDREN

1½ Units
Lecture: 1.5 hours

This course enables providers of childcare for infants through school age children to interact with children in ways to encourage them to communicate their thoughts and feelings to others.

Advisory: Eligibility for ENG 51
CSU, Associate Degree Applicable

ECE 66 PROMOTING CREATIVITY IN CHILDREN

1½ Units
Lecture: 1.5 hours

This course enables providers of childcare for infants through school age children to encourage children to use imagination and thinking skills by providing experiences which promote creative expression.

Advisory: Eligibility for ENG 51
CSU, Associate Degree Applicable

ECE 67 BUILDING SELF-ESTEEM IN CHILDREN

1½ Units
Lecture: 1.5 hours

This course enables providers of childcare for infants through school age children to build a positive relationship with each child. Providers learn how to help children understand and appreciate their self worth and feel successful and competent.

Advisory: Eligibility for ENG 51
CSU, Associate Degree Applicable

ECE 68 PROMOTING SOCIAL DEVELOPMENT IN CHILDREN

1½ Units
Lecture: 1.5 hours

This course enables providers of childcare for infants through school age children to understand children's social development and to teach children appropriate negotiation skills as well as how to enjoy people in their lives.

Advisory: Eligibility for ENG 51
CSU, Associate Degree Applicable

ECE 69 PROVIDING POSITIVE GUIDANCE TO CHILDREN

1½ Units
Lecture: 1.5 hours

This course enables providers of childcare for infants through school age children to use positive methods to guide and help children express their feelings in an acceptable manner and to encourage the development of self-discipline.

Advisory: Eligibility for ENG 51
CSU, Associate Degree Applicable

ECE 71 WORKING WITH FAMILIES

1 Unit

Lecture: 1 hour

This course enables providers of childcare who work with families the necessary information and skills to communicate effectively, encourage parental participation in their setting, and help families respond appropriately to their child's behavior.

CSU, Associate Degree Applicable

ECE 72 BEING A CLASSROOM MANAGER

1 Unit

Lecture: 1 hour

This course enables providers of childcare to develop a systematic approach to managing all aspects of a quality childcare program.

CSU, Associate Degree Applicable

ECE 73 MAINTAINING A COMMITMENT TO PROFESSIONALISM IN THE CLASSROOM

1 Unit

Lecture: 1 hour

This course provides providers of childcare to understand the importance of professionalism in child care and recognize that each person is a member of a team which provides an important service.

CSU, Associate Degree Applicable

ECON: ECONOMICS

ECON 1 PRINCIPLES OF MACROECONOMICS (CAN ECON 2)

3 Units

Lecture: 3 hours

This course is an introduction to economic theory and analysis with an emphasis on basic economic concepts, national income determination and fluctuations, unemployment, inflation, economic growth, the role of money and banking and monetary theory, and the economic role of government. Current economic issues are also discussed in the context of a global economy.

Prerequisite: ENG 50 and MATH 57

CSU, UC, Associate Degree Applicable

ECON 2 PRINCIPLES OF MICROECONOMICS (CAN ECON 4)

3 Units

Lecture: 3 hours

This course is an introduction to economic theory and analysis with an emphasis on the features of a market economy, role and behavior of consumers, businesses, owners of resources, government and the international sector. Efficiencies and deficiencies of a market system are explored and the role of government intervention is discussed.

Prerequisite: ENG 50 and MATH 57

CSU, UC, Associate Degree Applicable

ECON 11 INTERNATIONAL ECONOMIC RELATIONS

3 Units

Lecture: 3 hours

The course is the study of international trade, investment, technology transfer, and the international flow of labor. Students will become familiar with the principles of international economic relations and its complexities through class lectures, review of current literature, and class discussions.

Recommended: ECON 1

CSU, UC, Associate Degree Applicable

ECON 12 UNDERSTANDING ECONOMIC PRINCIPLES AND APPLICATIONS

3 Units

Lecture: 3 hours

This course provides students with an introductory knowledge of fundamental economic principles and issues. It prepares students to make critical evaluation of economic issues and policies and make more informed decisions as voters. It teaches students how to apply economic principle and analysis to their own economic and financial decisions such as setting career and financial goals and managing their personal finances. It prepares students for taking principles of macro and micro economics. Students may choose the credit/no credit grading option.

CSU, Associate Degree Applicable

EMT: EMERGENCY MEDICAL TECHNOLOGY

EMT 84A-D EMERGENCY MED TECH I

6 Units
Lecture: 6 hours

This course covers all techniques of emergency medical care specified in the California Code of Regulations to develop the competence required for certification as an EMT I. The course includes a minimum of 100 hours of didactic instruction, exclusive of testing and a minimum of 10 hours clinical experience.

Prerequisite: ENG 50
Associate Degree Applicable

EMT 85A-D EMT REFRESHER COURSE

2 Units
Lecture: 2 hours

This is a refresher course for EMT I personnel for recertification. The recertification shall be available for those whose EMT cards have not expired for more than one year. It contains information on new EMT techniques and procedures, refresher for cardiopulmonary resuscitation, practical ambulance experience, 4 hours of supervised instruction in the hospital emergency room and both a written and skills competency examination.

Prerequisite: ENG 50; EMT Certificate
Associate Degree Applicable

ENG: ENGLISH

**ENG 1A COMPOSITION
(CAN ENGL 2)**

4 Units
Lecture: 4 hours

This course introduces students to the demands of writing in the academic setting. Students learn the basics of critical thinking and research techniques as they apply to the writing process. Students then learn to apply the writing process in composing essays in response to their analysis of prose and poetry.

Prerequisite: ENG 51
CSU, UC, Associate Degree Applicable

ENG 1B COMPOSITION AND LITERATURE

3 Units
Lecture: 3 hours

This course introduces students to the genres of imaginative literature---prose fiction, poetry, and drama--with special emphasis on the interrelationships between

form and theme. Students write critical essays about the literature.

Prerequisite: ENG 1A
CSU, UC, Associate Degree Applicable

**ENG 1C CRITICAL THINKING AND
COMPOSITION**

3 Units
Lecture: 3 hours

This course increases proficiency in critical thinking, reading, and writing skills beyond the level achieved in English 1A. The focus is on critical thinking techniques and close textual analysis of mainly non-fiction prose, enabling students to develop skills in advanced argumentative writing.

Prerequisite: ENG 1A or ENG 3A or equivalent
CSU, UC, Associate Degree Applicable

**ENG 3A FRESHMAN COMPOSITION I
(Copper Mountain only)**

3 Units
Lecture: 3 hours

This course emphasizes the selection of materials, organization, presentation, and evaluation of expository writing. Students analyze varieties of non-fiction prose and write a minimum of five formal essays (500 word minimum each), a book review, and a research paper, totaling 8,000 to 10,000 words.

Prerequisite: ENG 51 or equivalent
CSU, UC, Associate Degree Applicable

ENG 5A CREATIVE WRITING

3 Units
Lecture: 3 hours

This course introduces students to the perceptions, skills and techniques of all forms of creative writing, with primary emphasis on fiction and poetry.

CSU, UC, Associate Degree Applicable

ENG 5B ADVANCED CREATIVE WRITING

3 Units
Lecture: 3 hours

This is an advanced course designed to enable students to refine their creative writing skills in their chosen genre.

Prerequisite: ENG 5A
CSU, UC, Associate Degree Applicable

ENG 10A AMERICAN LITERATURE I

3 Units

Lecture: 3 hours

This course presents a survey of American literature, both formal and informal, extending from the period preceding Columbus' voyages through the time of the Civil War. Selections include writings that reflect the rich and diverse cultural backgrounds that make up America's unique and complex heritage.

*Prerequisite: ENG 1A**Advisory: ENG 1B*

CSU, UC, Associate Degree Applicable

ENG 10B AMERICAN LITERATURE II

3 Units

Lecture: 3 hours

This course presents a survey of late 19th and 20th Century American literature. Selections include writings of traditional and non-traditional American authors that reflect the rich and diverse cultural backgrounds that make up America's unique and complex heritage.

*Prerequisite: ENG 1A**Advisory: ENG 1B*

CSU, UC, Associate Degree Applicable

ENG 11A SURVEY OF ENGLISH LITERATURE TO EIGHTEENTH CENTURY

3 Units

Lecture: 3 hours

This course surveys the major writers and works of English literature of the Old English, Middle-English, the Renaissance, and the Seventeenth and Eighteenth Centuries.

Prerequisite: ENG 1A

CSU, UC, Associate Degree Applicable

ENG 11B SURVEY OF ENGLISH LITERATURE (ROMANTIC-MODERN)

3 Units

Lecture: 3 hours

This course surveys the major writers and works of English literature of the Romantic, Victorian, Edwardian, and Modern Periods.

Prerequisite: ENG 1A

CSU, UC, Associate Degree Applicable

ENG 12A WORLD LITERATURE I

3 Units

Lecture: 3 hours

This course surveys works which have influenced world thought from Homer through the Renaissance, to 1660.

Classics are studied for their artistic merit and their contribution to modern thought.

CSU, UC, Associate Degree Applicable

ENG 12B WORLD LITERATURE II

3 Units

Lecture: 3 hours

This course surveys works which have influenced world thought from 1660 to the present. May be taken independently from World Literature I.

CSU, UC, Associate Degree Applicable

ENG 14 SHAKESPEARE

3 Units

Lecture: 3 hours

This course is a study of selected histories, comedies, and tragedies of William Shakespeare.

Prerequisite: ENG 1A

CSU, UC, Associate Degree Applicable

ENG 15 THE SHORT STORY

3 Units

Lecture: 3 hours

This course introduces the student to the techniques and development of fiction by the discussion and criticism of short stories from countries throughout the world.

CSU, UC, Associate Degree Applicable

ENG 16 LITERATURE OF THE DESERT

3 Units

Lecture: 3 hours

This course surveys non-fiction and fiction inspired by the desert, and by authors living in the desert. Emphasis is on the desert literature of the southwestern United States. It includes an introduction to desert environment and one's relationship to it. Field trips may be required.

CSU, UC, Associate Degree Applicable

ENG 17 WOMEN IN LITERATURE

3 Units

Lecture: 3 hours

This course presents a survey of literature written by and about women in the American, European, Asian, and Latin American traditions. Students examine archetypes and stereotypes of women as they are challenged in the literature.

*Prerequisite: ENG 1A**Advisory: ENG 1B*

CSU, UC, Associate Degree Applicable

ENG 18 INTRODUCTION TO POETRY

3 Units
Lecture: 3 hours

This course introduces the student to the techniques and development of English and American poetry by the discussion and criticism of poetry in its historical context. Students will also be encouraged to display their own creativity in the composition of their own poems.

CSU, UC, Associate Degree Applicable

ENG 21 INTRODUCTION TO LATIN AMERICAN/CHICANO LITERATURE

3 Units
Lecture: 3 hours

This course is a survey of literary analysis of folk, traditional, and contemporary Latin American/Chicano literature with critical analysis of representative works in all the literary genres: the essay, short stories, the novel, poetry, and drama.

CSU, UC, Associate Degree Applicable

ENG 22 INTRODUCTION TO AFRICAN AMERICAN LITERATURE

3 Units
Lecture: 3 hours

This course provides an introduction to folk, traditional and contemporary African American literature with critical analysis of representative works in all literary genres: the essay, the short story, the novel, poetry and drama.

CSU, UC, Associate Degree Applicable

ENG 25 INTRODUCTION TO THE NOVEL

3 Units
Lecture: 3 hours

This course introduces students to the techniques and development of fiction by the discussion and criticism of novels from countries throughout the world.

Prerequisite: ENG 1A

Advisory: ENG 1B

CSU, Associate Degree Applicable

ENG 31 THE BIBLE AS LITERATURE: THE OLD TESTAMENT

3 Units
Lecture: 3 hours

This course provides a survey of the Old Testament of the Bible from a literary and philosophical point of view, with attention also paid to other ancient Near Eastern

texts, and to the Jewish Apocrypha. The course introduces the great characters and events in the context of the developmental nature of this literature.

CSU, UC, Associate Degree Applicable

ENG 32 THE BIBLE AS LITERATURE: THE NEW TESTAMENT

3 Units
Lecture: 3 hours

This course provides a survey of the New Testament of the Bible from a literary and philosophical point of view, with attention also paid to the Dead Sea Scrolls material and early Christian writings related to the New Testament. The question of the Historical Jesus and the formation of early Christianity is emphasized.

CSU, UC, Associate Degree Applicable

ENG 35 MYTH AND LEGEND

3 Units
Lecture: 3 hours

This course provides an introduction to the mythological and legendary literature from various world cultures, with special reference to Judeo-Christian, Oriental, Native American, Northern European, and classical Greek and Roman mythologies.

Prerequisite: ENG 1A

CSU, UC, Associate Degree Applicable

ENG 41 TECHNICAL REPORT READING AND WRITING

3 Units
Lecture: 3 hours

Students analyze and evaluate various reports, proposals, manuals, and on-line documents used in industrial and technical professions. Students discuss and practice collecting, evaluating, organizing, and presenting materials and ideas for technical documents.

Prerequisite: ENG 51

CSU, Associate Degree Applicable

ENG 45 U. S. MILITARY LITERATURE (Copper Mountain only)

3 Units
Lecture: 3 hours

This course is a survey of United States military literature from 1775 to date with required reading of fiction and non-fiction materials.

CSU, UC, Associate Degree Applicable

ENG 50 BASIC WRITING SKILLS

3 Units

Lecture: 3 hours

Laboratory: 2 hours

This course provides extensive study of basic language skills in preparation for higher level writing courses. Students write paragraphs and short essays and develop an awareness of correct grammar, usage and mechanical skills. Students may choose the credit/no credit grading option.

ENG 51 INTRODUCTION TO EXPOSITORY WRITING

3 Units

Lecture: 3 hours

This course helps students improve their skills in expository writing, including a review of grammar and sentence skills to prepare them for college level courses. Students may choose the credit/no credit grading option.

Prerequisite: ENG 50

ENG 55 FUNDAMENTALS OF GRAMMAR

3 Units

Lecture: 3 hours

This course is designed to provide students with intensive study and application of the fundamentals of English grammar and structure in conjunction with other writing courses. Students may choose the credit/no credit grading option.

Recommended: Concurrent enrollment in ENG 50

ENG 97A-D WRITING CENTER

½ Unit

Laboratory: 1.5 hours

ENG 98A-D WRITING CENTER

1 Unit

Laboratory: 3 hours

ENG 99A-D WRITING CENTER

2 Units

Laboratory: 6 hours

Writing Center Laboratory is an open entry/open exit environment designed to provide opportunities for students in all segments of the college community to develop their writing skills. Emphasis will be on the one-to-one tutorial approach, computer-assisted instruction, word composing/processing and audio-visual.

Corequisite: Any English course except ENG 50

ESL: ENGLISH AS A SECOND LANGUAGE**ESL 50A TRANSITIONAL ESL WRITING**

3 Units

Lecture: 3 hours

This course is designed to meet the academic language proficiency needs of non-native speakers of English. Students will receive intensive training in developing basic communication skills through studies of various multi-cultural materials. Primary emphasis is placed on developing basic sentence skills. Students may choose the credit/no credit grading option.

Prerequisite: DE 384E or equivalent

Corequisite: ESL 97 and ESL 55A

ESL 50B BASIC COMMUNICATION SKILLS

4 Units

Lecture: 3 hours

Laboratory: 3 hours

This course provides extensive study of fundamental language skills in preparation for higher level writing courses. Primary emphasis is on the application of basic English communication skills to the speaking, reading, and writing of short compositions. Students may choose the credit/no credit grading option.

Prerequisite: DE 382E, DE 384E, or ESL 50A

Corequisite: ESL 55B and RDG 50

ESL 51 EXPOSITORY LANGUAGE SKILLS

4 Units

Lecture: 4 hours

This non-transferable course is designed for ESL students who need further training and practice in expository writing and conventional language skills in preparation for higher level writing courses. Emphasis is on the reading and writing of full length essays (500 word minimum). Writing production will be at least 6,000 words. Students may choose the credit/no credit grading option.

Prerequisite: ESL 50B or equivalent

ESL 55A TRANSITIONAL ENGLISH GRAMMAR (For Non-Native Students)

3 Units

Lecture: 3 hours

This course focuses on the fundamentals of English grammar with an emphasis on problems encountered by the non-native speakers of English. Students may choose the credit/no credit grading option.

Prerequisite: DE 382E

Corequisite: ESL 50A

ESL 55B BASIC GRAMMAR FOR ENGLISH AS A SECOND LANGUAGE

3 Units
Lecture: 3 hours

This course provides intensive study and application of the fundamentals of English grammar and structure in preparation for further college level writing courses. Students may choose the credit/no credit grading option.

Prerequisite: DE 382E or equivalent
Corequisite: ESL 50B

ESL 57A BASIC SPEAKING SKILLS

3 Units
Lecture: 3 hours

This course is recommended for non-native speakers of English or bilingual students who wish to improve their spoken English. Students learn standard American speech by practicing pronunciation, intonation, and other oral skills. Emphasis is placed on oral production through practice of speaking exercises in class and with multimedia programs. Students may choose the credit/no-credit grading option.

ESL 57B ADVANCED SPEAKING SKILLS

3 Units
Lecture: 3 hours

This course is a continuation of ESL 57A. Students focus on sentence stress and other advanced phonetic skills necessary for improved fluency in standard American speech. Students engage in various types of oral production activities in order to develop a personal style of communication. Students may choose the credit/no-credit grading option.

Corequisite: ESL 97 or ESL 98

ESL 60 ENGLISH GRAMMAR AND STRUCTURE FOR ENGLISH AS A SECOND LANGUAGE

3 Units
Lecture: 3 hours

This course provides students with intensive study and application of advanced English grammar and structure in preparation for collegiate level writing courses. Students may choose the credit/no credit grading option.

Prerequisite: ESL 55B or equivalent

ESL 97A-D ESL LABORATORY

½ Unit
Laboratory: 1.5 hours

ESL 98A-D ESL LABORATORY

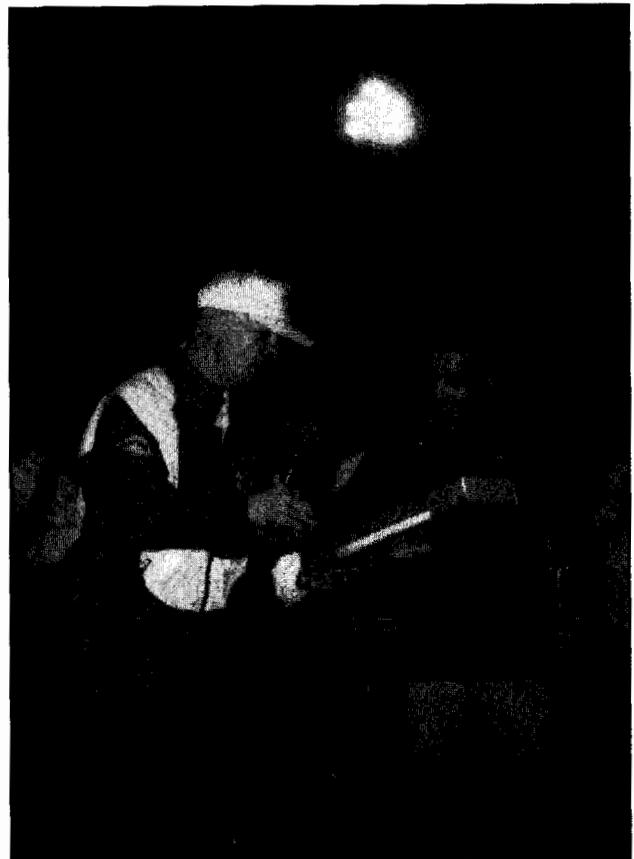
1 Unit
Laboratory: 3 hours

ESL 99A-D ESL LABORATORY

2 Units
Laboratory: 6 hours

This is an open entry/open exit environment designed to provide opportunities for students in all segments of the college community to develop their writing skills. Emphasis will be on the one-to-one tutorial approach, computer-assisted instruction, word composing/processing and audio-visual.

Corequisite: Enrollment in a credit ESL course



FIRE: FIRE TECHNOLOGY

FIRE 1 FIRE PROTECTION ORGANIZATIONS

3 Units
Lecture: 3 hours

This course surveys career opportunities in California Fire and Emergency Management Services and related fields; explores the history of fire protection; fire loss analysis, reviews public, quasi-public and private fire protection services; reviews specific fire protection functions; introduces fire chemistry and physics. This course is designated as Fire 1 by the California State Board of Fire Services and the State Fire Marshal and is part of the designated core curriculum.

Advisory: ENG 50 or equivalent
CSU, Associate Degree Applicable

FIRE 2 FIRE PREVENTION

3 Units
Lecture: 3 hours

This course provides the fundamental organization and function of fire prevention; inspections; surveying and mapping procedures; recognition of fire and life hazards; engineering a solution of a fire hazard; enforcing solutions to a fire hazard; public relations as effected by fire prevention. This course is designated Fire 2 by the California State Board of Fire Services and the State Fire Marshal and is part of the designated core curriculum.

Advisory: ENG 50 or equivalent
CSU, Associate Degree Applicable

FIRE 3 FIRE PROTECTION EQUIPMENT AND SYSTEMS

3 Units
Lecture: 3 hours

This course provides information relating to the features of design and operation of fire detection and alarm systems, heat and smoke control systems, special protection and sprinkler systems, water supply for fire protection, and portable fire extinguishing equipment; protection systems for special hazards; sprinkler systems and fire detection and alarm systems. This course is designated Fire 3 by the California State Board of Fire Services and the State Fire Marshal and is part of the designated core curriculum.

Advisory: ENG 50 or equivalent
CSU, Associate Degree Applicable

FIRE 4 BUILDING CONSTRUCTION FOR FIRE PROTECTION

3 Units
Lecture: 3 hours

This course provides the fundamentals of building design and construction with emphasis on fire protection features including: building equipment facilities, fire resistant materials and high rise.

Advisory: ENG 50 or equivalent
CSU, Associate Degree Applicable

FIRE 5 FIRE BEHAVIOR & COMBUSTION

3 Units
Lecture: 3 hours

This course explores and analyzes the fundamentals and specific principles of fire behavior, combustible materials, extinguishing agents, hazardous and toxic material, forms of energy and fire prevention/suppression techniques. This course is designated Fire 5 by the California State Board of Fire Services and the State Fire Marshal and is part of the designated core curriculum.

Advisory: ENG 50 or equivalent
CSU, Associate Degree Applicable

FIRE 6 HAZARDOUS MATERIALS/ICS

3 Units
Lecture: 3 hours

This course introduces the student to the world of hazardous chemicals, including their physical properties, uses in industry, and characteristics when involved in spills, fires and accidents. Basic information is covered regarding emergency procedures, legal requirements, compliance to regulations, health effects and treatment, and fire department protocols and responsibilities. This course is designated F6 by the State Board of Fire Services and California State Fire Marshal.

Advisory: ENG 50 or equivalent
CSU, Associate Degree Applicable

FIRE 20 INTRODUCTION TO VOLUNTEER FIRE SERVICE

1½ Units
Lecture: 1.5 hours

This course specifically introduces the local fire volunteer to the community fire station and its operational and fire procedures.

Associate Degree Applicable

FIRE 58 FIRE HYDRAULICS

3 Units

Lecture: 3 hours

This course includes the following topics: review of basic mathematics, hydraulic laws as applied to the fire service, application of formulas and mental calculation to hydraulic problems, water supply problem, and Underwriters' requirements for pumps.

CSU, Associate Degree Applicable

FIRE 61 FIRE APPARATUS & EQUIPMENT

3 Units

Lecture: 3 hours

This course provides the student with information on driving laws, driving technique, construction and operation of pumping engines, ladder trucks, aerial platforms, specialized equipment, and apparatus maintenance.

CSU, Associate Degree Applicable

FIRE 62 RESCUE PRACTICES

3 Units

Lecture: 3 hours

This course covers the fire company role in life saving, development and organization of rescue companies, rescue equipment, training for rescue service, and rescue practices and procedures.

CSU, Associate Degree Applicable

FIRE 81 DRIVER OPERATOR I

2 Units

Lecture: 2 hours

This course reviews vehicle laws and driver responsibilities and provides information on emergency response procedures, apparatus and equipment maintenance procedures, and the maneuvering of fire apparatus through controlled driving exercises and in normal traffic conditions. This is a California State Fire Marshal Office approved course.

CSU, Associate Degree Applicable

FIRE 82 FIRE INVESTIGATION 1B

2 Units

Lecture: 2 hours

This course focuses on arson investigation. Topics studied will include evidence, fire deaths, interviewing, crime scene searches, motives, criminal laws, juvenile law, and procedures and intent. This is a California Fire Marshal Office approved course.

CSU, Associate Degree Applicable

**FIRE 84 PUMP OPERATIONS
(Copper Mountain only)**

2 Units

Lecture: 2 hours

This course covers the types and design of fire pumps and the principles of pumping, including operating pumps under fire ground conditions. It also includes review of applied mathematics, hydraulic laws, and application of mental hydraulic calculations. This is a California State Fire Marshal Office approved course.

CSU, Associate Degree Applicable

FIRE 88 FIRE INVESTIGATION I

2 Units

Lecture: 2 hours

This course studies the national arson problem and the cost factors affecting the American public. Topics studied will include responsibilities of the fire inspecting officer, the nature and affect of ethical and unethical conduct, and the authority and responsibility the inspecting officer has to his/her profession.

CSU, Associate Degree Applicable

FIRE 89 FIRE PREVENTION 1A

2 Units

Lecture: 2 hours

This course studies specific fire protection practices recommended by the California State Fire Marshal's office. Topics studied will include the Fire Marshal's regulations as they pertain to compressed and liquefied gases, toxic materials, radioactive substances, explosives, building materials, codes, and the general prevention of private home and public building fires.

CSU, Associate Degree Applicable

FIRE 90 FIRE PREVENTION 1B

2 Units

Lecture: 2 hours

This course focuses on the codes, ordinances and statutes that pertain to fire prevention practices in California. Some topics of discussion include: building construction and occupancy, evacuation procedures, inspection reports, and processing plans. This is a California State Fire Marshal Office approved course.

CSU, Associate Degree Applicable

FIRE 91 FIRE COMMAND 1A

2 Units
Lecture: 2 hours

This course provides instruction and simulation time to the participants pertaining to the initial decision and action processes at a working fire. It includes areas of discussion on the fire officer, fire behavior, fire ground resources, operations and management. This is a California State Fire Marshal Office approved course.

Prerequisite: ENG 50 or equivalent
CSU, Associate Degree Applicable

FIRE 92 FIRE MANAGEMENT (Supervision)

2 Units
Lecture: 2 hours

This course covers the basic skills that the company officer or potential company officer needs to effectively function as a supervisor of fire personnel in non-emergency settings. This is a California State Fire Marshal Office approved course.

CSU, Associate Degree Applicable

FIRE 93 FIRE INSTRUCTOR 1A

2 Units
Lecture: 2 hours

This is the first of a two course Fire Science Instructor series accredited by the State Board of Fire Services. Topics include: occupational analysis; course outlines; concepts of learning; levels of instruction; behavioral objectives; psychology of learning and includes students teaching demonstrations. This is a California State Fire Marshal Office approved course.

Prerequisite: ENG 50 or equivalent
CSU, Associate Degree Applicable

FIRE 94 FIRE INSTRUCTOR 1B

2 Units
Lecture: 2 hours

This is the second of a two course Fire Science Instructor series accredited by the State Board of Fire Services and meets the requirements for a part-time FIRE teaching credential. Topics include: course outlines; lesson plans; levels of instruction; testing and measurement; test planning; evaluation includes student teaching demonstrations. This is a California State Fire Marshal Office approved course.

CSU, Associate Degree Applicable

FIRE 95 FIRE COMMAND 1B

2 Units
Lecture: 2 hours

This course provides instruction in the art of command as related to tactical fire problems. Topics studied will include pre-planning and attack utilizing simulator, chemical and pesticide emergencies, shipping papers, and environmental considerations. This is a California State Fire Marshal Office approved course.

CSU, Associate Degree Applicable

FIRE 96 FIRE PREVENTION 1C

2 Units
Lecture: 2 hours

This course studies the properties of flammable liquids, gases, regulations of storage and transportation, control of ignition sources above and below ground storage, DOT labeling, and placarding. This is a California State Fire Marshal Office approved course.

CSU, Associate Degree Applicable

**FIRE 97 COMMUNITY RELATIONS
(Copper Mountain only)**

3 Units
Lecture: 3 hours

This course studies the relationship between local fire departments and the community. It also examines the needed positive aspects of cooperation between various segments of local government and the community at large, and how to maintain that positive relationship. This is a California State Fire Marshal Office approved course.

CSU, Associate Degree Applicable

FL: FOREIGN LANGUAGE**FL 97A-D FOREIGN LANGUAGE LAB**

½ Unit
Laboratory: 1.5 hours

FL 98A-D FOREIGN LANGUAGE LAB

1.0 Unit
Laboratory: 3.0 hours

Foreign Language Lab is an open entry/open exit environment designed to provide opportunities for students in all segments of the college community to develop foreign language communicative skills in understanding, speaking, reading, and writing. Emphasis is on the one-to-one tutorial as well as the computer-assisted, audiotape and videotape monitoring approaches.

Corequisite: Foreign Language course

FR: FRENCH**FR 1 ELEMENTARY FRENCH
(CAN FREN SEQ A: FR 1 or 1AB + FR 2 or 2AB)**

5 Units
Lecture: 5 hours
Laboratory: 1 hour

This course presents the fundamentals of French. Fluency in understanding, speaking, reading, and writing within the context of the French society, history, and culture is emphasized.

CSU, UC, Associate Degree Applicable

**FR 1A ELEMENTARY FRENCH
(CAN FREN SEQ A: FR 1 or 1AB + FR 2 or 2AB)**

3 Units
Lecture: 3 hours
Laboratory: 1 hour

This course presents the fundamentals of French. Fluency in understanding, speaking, reading, and writing within the context of the French society, history, and culture is emphasized. Completion of FR 1A and FR 1B is equivalent to FR 1.

CSU, UC, Associate Degree Applicable

**FR 1B ELEMENTARY FRENCH
(CAN FREN SEQ A: FR 1 or 1AB + FR 2 or 2AB)**

3 Units
Lecture: 3 hours
Laboratory: 1 hour

This course continues the development of the skills and essentials of the French language begun in French 1A. Fluency in understanding, speaking, reading, and writing within the context of the French society, history, and culture is emphasized. Completion of FR 1A and FR 1B is equivalent to FR 1.

Prerequisite: FR 1A or equivalent
CSU, UC, Associate Degree Applicable

**FR 2 ELEMENTARY FRENCH
(CAN FREN SEQ A: FR 1 or 1AB + FR 2 or 2AB)**

5 Units
Lecture: 5 hours
Laboratory: 1 hour

This course continues the development of the skills and essentials of the French language begun in FR 1 or FR 1B. Fluency in understanding, speaking, reading, and writing within the context of the French society, history, and culture is emphasized.

Prerequisite: FR 1 or FR 1B or equivalent
CSU, UC, Associate Degree Applicable

**FR 2A ELEMENTARY FRENCH
(CAN FREN SEQ A: FR 1 or 1AB + FR 2 or 2AB)**

3 Units
Lecture: 3 hours
Laboratory: 1 hour

This course continues the development of the skills and essentials of the French language begun in FR 1 or FR 1B. Fluency in understanding, speaking, reading, and writing within the context of the French society, history, and culture is emphasized. Completion of FR 2A and FR 2B is equivalent to FR 2.

Prerequisite: FR 1 or FR 1B or equivalent
CSU, UC, Associate Degree Applicable

**FR 2B ELEMENTARY FRENCH
(CAN FREN SEQ A: FR 1 or 1AB + FR 2 or 2AB)**

3 Units
Lecture: 3 hours
Laboratory: 1 hour

This course continues the development of the skills and essentials of the French language begun in FR 2A. Fluency in understanding, speaking, reading, and writing within the context of the French society, history, and culture is emphasized. Completion of FR 2A and FR 2B is equivalent to FR 2.

Prerequisite: FR 2A or equivalent
CSU, UC, Associate Degree Applicable

**FR 3 INTERMEDIATE FRENCH
(CAN FREN SEQ B: FR 3 + FR 4)**

4 Units
Lecture: 4 hours
Laboratory: 1 hour

This course strengthens the students' communication skills in the spoken and written language. Emphasis is on the customs and culture of France and the francophone world. French literature is introduced.

Prerequisite: FR 2 or FR 2B or equivalent
CSU, UC, Associate Degree Applicable

**FR 4 INTERMEDIATE FRENCH
(CAN FREN SEQ B: FR 3 + FR 4)**

4 Units
Lecture: 4 hours
Laboratory: 1 hour

This course expands the students' ability to communicate in French. Emphasis is on the discussion of socio-cultural selections and literature of the French-speaking world.

Prerequisite: FR 3 or equivalent
CSU, UC, Associate Degree Applicable

FR 8A-D FRENCH CONVERSATION

3 Units

Lecture: 3 hours

This series of courses relies on daily contact vocabulary building and practical conversation of everyday topics, current events, social life, and cultural materials. The student may choose the credit/no credit grading option.

Prerequisite: Intermediate entry level: FR 2 or three years high school French, or equivalent; courses need not be taken in sequence

CSU, UC, Associate Degree Applicable

FR 40A,B FRENCH CIVILIZATION

3 Units

Lecture: 3 hours

This series of courses traces the development of the French language and culture from the beginning to modern times. Courses are conducted in English and need not be taken in sequence.

Prerequisite: ENG 51

CSU, UC, Associate Degree Applicable

G: GEOLOGY

**G 1 PHYSICAL GEOLOGY
(CAN GEOL 2 for G 1 and G 1L)**

3 Units

Lecture: 3 hours

This course includes the study of the origin and composition of rocks and minerals; landscape development by water, ice, and wind; earthquakes; the earth's interior; the nature of mountains and their development; the drift of continental and oceanic plates; and environmental aspects of geology.

Prerequisite: ENG 50 and MATH 57

Advisory: ENG 51 and MATH 50

CSU, UC, Associate Degree Applicable

**G 1L PHYSICAL GEOLOGY LABORATORY
(CAN GEOL 2 for G 1 and G 1L)**

1 Unit

Laboratory: 3 hours

This course is a practical application in the laboratory and on field trips of aspects of the Physical Geology subject areas. Field trips will emphasize local geology and lab work will emphasize practical study of minerals and rocks and investigation of various geologic features on topographic maps.

Corequisite: G 1 or prior completion

CSU, UC, Associate Degree Applicable

G 2 HISTORICAL GEOLOGY

4 Units

Lecture: 3 hours

Laboratory: 3 hours

This course investigates the formation and evolution of the Earth, including its oceans, atmosphere, and life; as traced mainly through the rock and fossil records. Included is the history of the science of geology. Basic geologic principles will be briefly reviewed.

Prerequisite: G 1 or G 10

CSU, UC, Associate Degree Applicable

G 4 GEOLOGY LAB

1 Unit

Laboratory: 3 hours

This lab constitutes a practical application in the classroom and in approximately 16 hours in the field of aspects of the physical geology/environmental geology subject areas.

Prerequisite: ENG 51, MATH 50 and G1 or G5 or G10

CSU, Associate Degree Applicable

G 5 ENVIRONMENTAL GEOLOGY

3 Units

Lecture: 3 hours

This course investigates: natural hazards such as floods, landslides, earthquakes, and volcanic activity to minimize effects on persons and property; landscape for site selection, land-use planning and environmental impact analysis; earth materials, such as minerals, soil, rocks, and water to determine potential use for resources, and for waste disposal, and to assess the need for conservation practices.

Note: This course is suggested for students in any major which deals with human interactions with the physical environment such as architecture, engineering, environmental studies, city planning, natural resources, geology, and geography. Physical Geology Lab may be taken to accompany this course.

Prerequisite: ENG 50 and MATH 57

Advisory: ENG 51 and MATH 50

CSU, UC, Associate Degree Applicable

**G 5L ENVIRONMENTAL GEOLOGY
LABORATORY**

1 Unit

Laboratory: 3 hours

This laboratory course supplements the Environmental Geology lecture (G 5). Field trips are required. It satisfies the laboratory portion of the Physical Science section of the General Education Laboratory requirement.

Corequisite: G 5 or prior completion

CSU, UC, Associate Degree Applicable

G 6 GEOLOGY OF CALIFORNIA

3 Units
Lecture: 3 hours

This course presents the physical and historical geology of the natural provinces of California. The mineral deposits, stratigraphic and rock units, tectonic structures, fossils, geomorphology, and environmental issues within each province are examined. One or more field trips are conducted.

Advisory: ENG 51 and MATH 57
CSU, UC, Associate Degree Applicable

G 7 INTRODUCTION TO GEOLOGY

4 Units
Lecture: 3 hours
Laboratory: 3 hours

This course is a general survey of the fields of physical and historical geology. It is designed to give a broad general understanding and appreciation of the composition, structure, geologic processes, origin, and development of the Earth and its inhabitants. The laboratory portion provides hands-on experience with minerals, rocks, fossils, topographic maps, geologic maps, and structure sections. One required all-day field trip provides an opportunity to directly experience local physical and historical geology.

Advisory: ENG 51 and MATH 57
CSU, UC, Associate Degree Applicable

G 8 GEOLOGY OF NATIONAL PARKS AND MONUMENTS

3 Units
Lecture: 3 hours

This course provides a survey of the physical and historical geology of National Parks and Monuments, particularly those in the western states, to illustrate the geologic evolution of the regions in which these parks occur. Surface shaping processes such as volcanism, plutonism, deformation, sedimentation, glaciation, and fluvial activity are studied, using slides and other visual materials. Optional field trip(s) may be conducted.

Advisory: ENG 51 and MATH 57
CSU, Associate Degree Applicable

G 10 EARTH SCIENCE

3 Units
Lecture: 3 hours

This course surveys and integrates the Earth Sciences of Geology, Meteorology, Oceanography, and Astronomy to bring into perspective the uniqueness of our planet, the interrelationships of its systems, and the impact of man

upon these systems. Various aspects of geologic science constitute approximately 70 percent of course.

Prerequisite: ENG 50 and MATH 57
Advisory: ENG 51 and MATH 50
CSU, UC, Associate Degree Applicable

G 10L EARTH SCIENCE LABORATORY

1 Unit
Laboratory: 3 hours

This course is a practical application in the laboratory and on field trips of aspects of the Earth Science subject areas; particularly those concentrating on the geologic sciences. Field trips will emphasize local geology, and lab work will emphasize practical study of minerals and rocks, and investigation of various geologic features on topographic and geologic maps.

Corequisite: G 10 or prior completion
CSU, UC, Associate Degree Applicable

GEOG: GEOGRAPHY**GEOG 1 PHYSICAL GEOGRAPHY (CAN GEOG 2)**

3 Units
Lecture: 3 hours

This course examines the major features of the natural environment including land, water, air and life forms. The relationship between humans and their natural environment is emphasized, and map-reading skills are developed. This course meets the California State Universities and Colleges General Education requirement (Area B, #1) for a course on the "Physical Universe".

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

GEOG 1L PHYSICAL GEOGRAPHY LABORATORY

1 Unit
Laboratory: 3 hours

This course introduces the student to the methods and techniques used in the geographic study of the natural environment focusing on the earth's atmosphere, continents, oceans and life forms. The student will observe, record, and analyze information both in class and on field trips in the local environment. Completion of Geography 1 and 1L fulfills the California State Universities and Colleges General Education requirement (Area B, #1) for a laboratory course on the Physical Universe.

Corequisite: GEOG 1 or prior completion
CSU, UC, Associate Degree Applicable

**GEOG 2 CULTURAL GEOGRAPHY
(CAN GEOG 4)**

3 Units

Lecture: 3 hours

This course focuses on the distribution of and interrelationships between features of humankind's modern cultural environment. Among the topics discussed are world population, forms of livelihood, territoriality, urbanization, and material culture. Emphasis is also placed on the development of map-reading skills.

Prerequisite: ENG 50

CSU, UC, Associate Degree Applicable

GEOG 7 REGIONAL GEOGRAPHY

3 Units

Lecture: 3 hours

This course seeks to describe and explain the major cultural characteristics of the earth's diverse geographic regions. Emphasis is placed on the development of regional patterns through time and the processes responsible for the existing patterns. The development of map-reading skills is an essential aspect of this investigation.

Prerequisite: ENG 50

CSU, UC, Associate Degree Applicable

GEOG 10 GEOGRAPHY OF CALIFORNIA

3 Units

Lecture: 3 hours

This is a study of the natural and cultural environments of California including its climate, topography, biogeography, economy, urbanization and population diversity. Emphasis is placed on people and the environment, map interpretation and their changes over time. Both topical and regional formats are introduced.

Advisory: ENG 50

CSU, UC, Associate Degree Applicable

GER: GERMAN

**GER 1 ELEMENTARY GERMAN
(CAN GERM SEQ A: GER 1 or
1AB + GER 2 or 2AB)**

5 Units

Lecture: 5 hours

Laboratory: 1 hour

This course presents the fundamentals of German. Fluency in understanding, speaking, reading and writing within the context of the German society, history, and culture is emphasized.

CSU, UC, Associate Degree Applicable

**GER 1A ELEMENTARY GERMAN
(CAN GERM SEQ A: GER 1 or 1AB +
GER 2 or 2AB)**

3 Units

Lecture: 3 hours

Laboratory: 1 hour

This course presents the fundamentals of German. Fluency in understanding, speaking, reading, and writing within the context of the German society, history, and culture is emphasized. Completion of GER 1A and GER 1B is equivalent to GER 1.

CSU, UC, Associate Degree Applicable

**GER 1B ELEMENTARY GERMAN
(CAN GERM SEQ A: GER 1 or 1AB +
GER 2 or 2AB)**

3 Units

Lecture: 3 hours

Laboratory: 1 hour

This course continues the development of the skills and essentials of the German language begun in GER 1A. Fluency in understanding, speaking, reading, and writing within the context of the German society, history, and culture is emphasized. Completion of GER 1A and GER 1B is equivalent to GER 1.

Prerequisite: GER 1A or equivalent

CSU, UC, Associate Degree Applicable

**GER 2 ELEMENTARY GERMAN
(CAN GERM SEQ A: GER 1 or 1AB +
GER 2 or 2AB)**

5 Units

Lecture: 5 hours

Laboratory: 1 hour

This course continues the development of the skills and essentials of the German language begun in GER 1 or

GER 1B. Fluency in understanding, speaking, reading, and writing within the context of the German society, history, and culture is emphasized.

Prerequisite: GER 1 or GER 1B or equivalent
CSU, UC, Associate Degree Applicable

GER 2A ELEMENTARY GERMAN
(CAN GERM SEQ A: GER 1 or
1AB + GER 2 or 2AB)

3 Units
Lecture: 3 hours
Laboratory: 1 hour

This course continues the development of the skills and essentials of the German language begun in GER 1 or GER 1B. Fluency in understanding, speaking, reading, and writing within the context of the German society, history, and culture is emphasized. Completion of GER 2A and GER 2B is equivalent to GER 2.

Prerequisite: GER 1 or GER 1B or equivalent
CSU, UC, Associate Degree Applicable

GER 2B ELEMENTARY GERMAN
(CAN GERM SEQ A: GER 1 or
1AB + GER 2 or 2AB)

3 Units
Lecture: 3 hours
Laboratory: 1 hour

This course continues the development of the skills and essentials of the German language begun in GER 2A. Fluency in understanding, speaking, reading, and writing within the context of the German society, history, and culture is emphasized. Completion of GER 2A and GER 2B is equivalent to GER 2.

Prerequisite: GER 2A or equivalent
CSU, UC, Associate Degree Applicable

GER 40A,B GERMAN CIVILIZATION

3 Units
Lecture: 3 hours

This series of courses offers an introduction to the major currents and characteristics of the German culture as expressed through the centuries in literature, fine arts, philosophy, and the sciences. The courses are conducted in English and need not be taken in sequence.

Prerequisite: ENG 51
CSU, UC, Associate Degree Applicable

GOLF: GOLF

GOLF 29 METHODS OF TEACHING GOLF

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course is the study of the methods used in teaching the game of golf. It includes practical experience in the analysis of the golf swing and the correction of errors.

Prerequisite: Admission to Golf Management Program
Associate Degree Applicable

GOLF 30 SHORT GAME AND PUTTING

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course is the study of the techniques used to develop an effective short game and putting stroke. It emphasizes basic swing fundamentals and the modern approach to chips, pitches, greenside sand shots and putting.

Prerequisite: Admission to Golf Management Program
CSU, UC, Associate Degree Applicable

GOLF 32 GOLF TEACHING LABORATORY

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course is the study and practice of the methods used in teaching the game of golf. It includes learning the techniques and instructional skills necessary to teach golf to individuals and groups. It emphasizes how to adapt golf swing fundamentals to the physical attributes and prior experience of the client (student). It also includes practical application of these methods in a golf practice range environment.

Prerequisite: Admission to Golf Management Program
CSU, UC, Associate Degree Applicable

GOLF 34 GOLF CLUB DESIGN AND REPAIR

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course is the study of the design and manufacture of golf clubs. It includes the study of golf repair theory and practical "hands-on" experience in a golf club repair laboratory.

Prerequisite: Admission to Golf Management Program
Associate Degree Applicable

GOLF 36 FUNDAMENTALS & RULES OF GOLF

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course is the study of the basic fundamentals and rules of the game of golf. It emphasizes the rules of golf and the responsibility of the golf professional to insure compliance with the rules and uphold the integrity of the sport of golf.

Prerequisite: Admission to Golf Management Program
CSU, UC, Associate Degree Applicable

HE: HEALTH**HE 1 PERSONAL & COMMUNITY HEALTH**

3 Units
Lecture: 3 hours

This course consists of application of facts and attitudes to the maintenance of optimum health for the individual and society; effects of exercise, fatigue, and diet; emotional and mental well-being; drugs, alcohol, and tobacco; disease etiology and disease prevention; human reproduction and family; and safety in the modern world.

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

HEC: HOME ECONOMICS/NUTRITION**HEC 13 GENERAL NUTRITION
(CAN HEC 2)**

3 Units
Lecture: 3 hours

This course is a study of the chemical composition of foods and their utilization by the body. Practical problems of nutrition and relationship of adequate diet to physical and mental health are covered.

Prerequisite: ENG 50 or equivalent
CSU, UC, Associate Degree Applicable

HEC 14 THERAPEUTIC DIETS

3 Units
Lecture: 3 hours

This course is a topical introduction to nutritional analysis, menu planning and preparation of special diets, including low calorie, low fat, low carbohydrate, sodium restricted and diabetic. It is suitable for students in nursing, or geriatrics, dietetic and/or those with dietary problems.

Prerequisite: HEC 13
Associate Degree Applicable

HIST: HISTORY**HIST 3 HISTORY OF WORLD
CIVILIZATION - I
(CAN HIST SEQ C for HIST 3 and 4)**

3 Units
Lecture: 3 hours

This course is a broad study of the major elements of history from ancient times to the Renaissance. It is designed to develop understanding of institutions basic to world civilization.

Advisory: ENG 50
CSU, UC, Associate Degree Applicable

**HIST 4 HISTORY OF WORLD
CIVILIZATION - II
(CAN HIST SEQ C for HIST 3 and 4)**

3 Units
Lecture: 3 hours

This course is a broad study of the major elements of history from the 16th Century to the present. It is designed to develop understanding of institutions basic to world civilization.

Advisory: ENG 50
CSU, UC, Associate Degree Applicable

**HIST 17 U.S. HISTORY THROUGH
RECONSTRUCTION
(CAN HIST SEQ B for HIST 17 and 18)**

3 Units
Lecture: 3 hours

This course is a survey of the political and social development of the United States from the discovery of America through the Reconstruction period.

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

**HIST 18 U.S. HISTORY FROM
RECONSTRUCTION TO PRESENT
(CAN HIST SEQ B for HIST 17 and 18)**

3 Units
Lecture: 3 hours

This course is a survey of the political and social development of the United States from the Reconstruction Period to the present.

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

HS: HEALTH SCIENCES**HS 51 LVN - ADN TRANSITION I**

1 Unit

Lecture: 1 hour

This course presents an overview of Nursing 1. Content of the course is directed toward assisting vocational nurses licensed in California to challenge the first course in the Associate Degree Nursing Program. Emphasis is placed on the role of the registered nurse, nursing process, medication administration, and application of life-span concepts to care with special attention to the elderly. A credit/no credit grade mark is awarded.

Prerequisite: Completion of all General Education courses required in the Nursing Program. Must be a licensed Vocational Nurse in the state of California.

HS 52 LVN - ADN TRANSITION II

1 Unit

Lecture: 1 hour

This course presents an overview of Nursing 2. Content is directed toward assisting vocational nurses licensed in California to challenge the first course in the Associate Degree Nursing Program. Emphasis is placed on the role of the registered nurse, nursing process, medication administration, and application of life-span concepts to care with special attention to the elderly. A credit/no credit grade mark is awarded.

Prerequisite: Completion of all General Education courses required in the Nursing Program. Must be a licensed Vocational Nurse in the state of California.

HS 61 MEDICAL TERMINOLOGY

2 Units

Lecture: 2 hours

This course introduces medical terminology as used by all health service personnel, including medical doctors, dentists, nurses, respiratory therapists, physical therapists, EMTs, medical secretaries and doctors' office assistants.

Prerequisite: ENG 50

Associate Degree Applicable

HS 62 YOUR LIVING BODY

3 Units

Lecture: 3 hours

This course provides a basic overview of body structures and functions, correlated with discussion of the major diseases affecting each of the major systems.

Prerequisite: ENG 50

Associate Degree Applicable

HS 63 MEDICAL ASSISTING

9 Units

Lecture: 6 hours

Laboratory: 9 hours

This course provides entry-level training for employment in medical offices or clinics. Instruction is provided in basic knowledge and skills needed for work in these areas, including an introduction to medication administration, preparation of patients for examination, and basic management skills.

Prerequisite: ENG 50

HS 64 NURSE ASSISTANT

6 Units

Lecture: 4 hours

Laboratory: 6 hours

This course includes basic nursing principles used in the care of clients in long term care facilities. The content addresses the basic needs of clients; concepts of ethics and confidentiality; techniques of communication; reporting and recording of observations and basic assessments; performance of special treatments, procedures, and skills required for client care. Successful completion of the course results in eligibility to take the state-approved test that leads to certification as a nursing assistant.

Prerequisite: ENG 50

Associate Degree Applicable

HS 65 BASIC PHARMACOLOGY

3 Units

Lecture: 3 hours

This course provides an introduction to basic pharmacology. Content covers calculating dosages, using conversion tables, administering medication, and using drug reference materials. The actions, untoward actions, desired and undesired effects of commonly used drugs in the major classifications are presented.

Prerequisite: HS 62 and MATH 57

Associate Degree Applicable

HS 66 HOME HEALTH AIDE

2 Units

Lecture: 1.5 hours

Laboratory: 1.5 hours

This course expands on the content taught in the nursing assistant course to provide preparation for care of residents in home care settings. Content emphasizes personal care, basic communications, safety, meal planning, and maintaining a healthful environment.

Prerequisite: HS 64 or California CNA

HS 70 INTRODUCTION TO HEALTH SCIENCES

1 Unit
Lecture: 1 hour

This course is strongly recommended for all students entering the VN, ADN, or RT programs offered at College of the Desert. It is designed to provide students interested in Health Sciences programs with detailed information about program requirements and career objectives.

Advisory: ENG 50
Associate Degree Applicable

HS 81 BASIC ARRHYTHMIAS

2 Units
Lecture: 2 hours

This course is designed for a person working with patients who require cardiac monitoring. It provides a review of anatomy and physiology of the heart. The normal and abnormal rhythms of the heart are studied with an emphasis on treatment for abnormal arrhythmias. This course is applicable for LVN, RN, and CNA Continuing Education Units (CEU's).

Prerequisite: ENG 50
Associate Degree Applicable

HS 82 INTERMEDIATE CARDIAC ARRHYTHMIAS

2 Units
Lecture: 2 hours

This course is designed for persons with knowledge and skills in basic arrhythmias interested in identifying and analyzing more complex arrhythmias. Emphasis is placed on how premature and escape rhythms affect cardiac output. Concepts associated with Ashman's phenomenon, fixed coupling, and the Action Potential curve's importance to arrhythmia identification and treatment are explored. Drug therapy and treatment to reestablish or maintain normal cardiac output are discussed.

Prerequisite: HS 81
Associate Degree Applicable

HS 83 ADVANCED EKG: 12 LEAD

2 Units
Lecture: 2 hours

This course is designed for the clinicians with a basic knowledge of arrhythmias, and provides a review of anatomy and physiology, with emphasis on the heart vectors and changes that occur in vectors as a result of myocardial infarction. Emphasis is placed on interpreting a 12 lead EKG.

Prerequisite: HS 81
Associate Degree Applicable

HS 98A-D NURSING SKILLS LAB

½ Unit
Laboratory: 1.5 hours

HS 99A-D NURSING SKILLS LAB

1 Unit
Laboratory: 3 hours

This course provides opportunity for practice and mastery of nursing skills necessary for safe patient care. It uses multimedia materials, computers, and instructor assistance to improve the skills needed and is directed to students needing review of nursing procedures. A credit/no credit grade mark is awarded.

Prerequisite: ENG 50
Corequisite: Enrollment in a Nursing course

HSAD: HUMAN SERVICES/ALCOHOL DRUG STUDIES

HSAD 1 INTRODUCTION TO ALCOHOL/ DRUG STUDIES

3 Units
Lecture: 3 hours

This is a survey course that examines, interprets and evaluates the significant terms and definitions used in the study of drugs, addiction and alcoholism as a family affair. It looks at the causes and consequences of alcohol/drug use and abuse (i.e. psychological, sociological, physiological, economic, and political), as well as the myths, images and stereotypes of substance abuse and substance users, and finally it examines the modalities utilized in education, prevention, intervention, treatment, recovery, and relapse. This is the basic prerequisite for the Alcohol/Drug Studies Certificate.

Prerequisite: ENG 50
CSU, Associate Degree Applicable

HSAD 4 PERSONAL AND PROFESSIONAL GROWTH

2 Units
Lecture: 2 hours

This course covers the professional aspects of alcohol and drug counseling as a career. It deals with such problematic areas as burnout, recovery, certification and credential requirements, professional associations and personal and professional growth. It introduces problems and possible solutions that will be thematic in many courses in this program. This is a required course for the Alcohol/Drug Certificate.

Prerequisite: ENG 50
CSU, Associate Degree Applicable

HSAD 20 BIOMEDICAL-PHARMACOLOGY

3 Units
Lecture: 3 hours

This course investigates the effects of alcohol and drugs on human behavior. Models and biomedical principles of the disease process and treatment are presented. Interpretations and evaluations of the strategies utilized in recovery by various treatment modalities are studied. This is a required course for the Alcohol/Drug Studies Certificate.

Prerequisite: HSAD 1
CSU, Associate Degree Applicable

HSAD 22 CASE MANAGEMENT

3 Units
Lecture: 3 hours

This course presents case management from the initial intake and assessment of an individual, to recovery planning, record keeping, aftercare, follow-up and referral. This is a required course for the Alcohol/Drug Studies Certificate.

Corequisite: HSAD 1
CSU, Associate Degree Applicable

HSAD 24 LAW/ETHICS: COMMUNITY RESPONSES

3 Units
Lecture: 3 hours

This course is the study, interpretation, and practice of legal/ethical responsibilities and liabilities encountered when providing and utilizing Human Services. Special focus is placed on privileged relationships, counseling, and confidentiality. It also deals with community agencies responsible for outreach education and referrals. This is a required course for the Alcohol/Drug Certificate.

Corequisite: HSAD 1
CSU, Associate Degree Applicable

HSAD 30 INDIVIDUAL, GROUP, AND FAMILY COUNSELING

3 Units
Lecture: 3 hours

This is a survey course that addresses the differences and similarities of individual and group counseling with special emphasis on the functional alcohol/drug family situations. It traces the development of individual and group counseling and explores its dynamics. It will interpret and assess the impact on individuals and on their relationships. In addition, it will interpret and assess the impact on society and on its institutions. Practical

strategies and experiential exercises will be utilized. Skills development in counseling the family unit will be addressed. This course is a prerequisite for all supervised field work. This is a required course for the Alcohol/Drug Certificate.

Prerequisite: ENG 50
CSU, Associate Degree Applicable

HSAD 32A ALCOHOL/DRUG: SUPERVISED PRACTICUM I

2 Units
Lecture: 2 hours

This course gives direction, interpretation, guidance and evaluation to assist the student in making the transition from the college to job placement via the Supervised Internship I (HSAD 33A). Values, knowledge and skills applied in the practical setting are essential to professional dependency counseling. Special attention is given to individual, group, and family approaches to counseling. This is a required course for the Alcohol/Drug Studies Certificate.

Prerequisite: 6 HSAD/HSC core courses
Corequisite: HSAD 33A
CSU, Associate Degree Applicable

HSAD 32B ALCOHOL/DRUG: SUPERVISED PRACTICUM II

2 Units
Lecture: 2 hours

This course concludes the work begun in Supervised Practicum I (HSAD 32A). This is a required course for the Alcohol/Drug Studies Certificate.

Prerequisite: 6 HSAD/HSC core courses
Corequisite: HSAD 33B
CSU, Associate Degree Applicable

HSAD 33A ALCOHOL/DRUG: SUPERVISED INTERNSHIP I

3 Units
Weekly: 9 hours

This course is a supervised field work internship that actively involves students at a supervised chemical dependency service site. Students apply and integrate the values, knowledge and skills learned in the classroom through direct, hands-on experience in the area of chemical dependency counseling. Special attention is given to individual, group and family counseling. This is a required course for the Alcohol/Drug Studies Certificate.

Prerequisite: 6 HSAD/HSC core courses
Corequisite: HSAD 32A
CSU, Associate Degree Applicable

HSAD 33B ALCOHOL/DRUG: SUPERVISED INTERNSHIP II

3 Units
Weekly: 9 hours

This course concludes the field work begun in Supervised Internship I (HSAD 33A). This is a required course for the Alcohol/Drug Studies Certificate.

Prerequisite: 6 HSAD/HSC core courses

Corequisite: HSAD 32B

CSU, Associate Degree Applicable

HSAD 34 DUAL DIAGNOSIS

2 Units
Lecture: 2 hours

This course prepares the student to meet the challenge to mental health workers and substance abuse counselors in dealing together with clients who have psychiatric disorders coexisting with drug dependency. The focus is on the diagnosis, assessment, treatment and aftercare of such clients. This is a required course for the Alcohol/Drug Studies Certificate.

Prerequisite: ENG 50

CSU, Associate Degree Applicable

HSC: HUMAN SERVICES/COUNSELING**HSC 2 INTRODUCTION TO HUMAN SERVICES COUNSELING**

3 Units
Lecture: 3 hours

This is an intensive, exploratory, communication/counseling course that introduces the student to the principles, strategies and practices of helping skills as useful tools. Through the use of problem solving simulation, the student will learn how to support coping skills in a client. This is a required course for the Alcohol/Drug Studies Certificate.

Prerequisite: ENG 50

CSU, Associate Degree Applicable

HUM: HUMANITIES**HUM 1 CRITICAL ANALYSIS**

3 Units
Lecture: 3 hours

Emphasis is placed on knowledge and appreciation of traditional and alternate modes of thinking. Attention is

given to a variety of cultural approaches to critical thought. Analytical thinking is applied to such areas as: science, the arts, religion, and business.

CSU, UC, Associate Degree Applicable

HUM 5A HUMANITY AND THE NATURAL ENVIRONMENT

3 Units
Lecture: 3 hours

Students examine issues affecting the natural environment at local, regional and global levels. Selected topics are explored and discussions are led by a faculty team from the Fine Arts, Humanities and the Social, Physical and Life Sciences. Opportunities are provided to examine interrelated issues as they occur in community settings.

Prerequisite: ENG 51

CSU, UC, Associate Degree Applicable

HUM 5B HUMANITY AND THE SOCIAL-CULTURAL ENVIRONMENTS

3 Units
Lecture: 3 hours

Students examine issues affecting the cultural and social environments at local, regional and global levels. Selected topics are explored and discussions are led by a faculty team from the Fine Arts, Humanities and the Social, Physical and Life Sciences. Opportunities are provided to examine interrelated issues as they occur in community settings.

Prerequisite: ENG 51

CSU, UC, Associate Degree Applicable

HUM 8 MUSIC OF MULTICULTURAL AMERICA

3 Units
Lecture: 3 hours

This course is a comparative and integrative study of the multicultural musical styles of the United States. It includes the musics of Native Americans, European Americans, African Americans, Chicano/Latino Americans, and Asian Americans, from their historical roots to the present. There will be analysis of musical traditions from a technical and a cultural perspective; and sequential development of listening and descriptive skills through a variety of media including films, recordings, computer-assisted instruction. (Also listed as, and equivalent to, MUS 8.)

Advisory: ENG 50

CSU, Associate Degree Applicable

HUM 18 INTRODUCTION TO ART & MUSIC

3 Units
Lecture: 3 hours

Students examine parallels in ideas and organizational methods found in art and music of the Western World. A comparison is made of major developments of styles with an emphasis on the roles of the visual and aural arts in society from the Middle Ages to the present.

Prerequisite: ENG 50

CSU, UC, Associate Degree Applicable

ITAL: ITALIAN**ITAL 1 ELEMENTARY ITALIAN**

5 Units
Lecture: 5 hours
Laboratory: 1 hour

This course presents the fundamentals of Italian. Fluency in understanding, speaking, reading, and writing within the context of the Italian society, history, and culture is emphasized.

CSU, UC, Associate Degree Applicable

ITAL 1A ELEMENTARY ITALIAN

3 Units
Lecture: 3 hours
Laboratory: 1 hour

This course presents the fundamentals of Italian. Fluency in understanding, speaking, reading, and writing within the context of the Italian society, history, and culture is emphasized. Completion of ITAL 1A and ITAL 1B is equivalent to ITAL 1.

CSU, UC, Associate Degree Applicable

ITAL 1B ELEMENTARY ITALIAN

3 Units
Lecture: 3 hours
Laboratory: 1 hour

This course continues the development of the skills and essentials of the Italian language begun in ITAL 1A. Fluency in understanding, speaking, reading, and writing within the context of the Italian society, history, and culture is emphasized. Completion of ITAL 1A and ITAL 1B is equivalent to ITAL 1.

Prerequisite: ITAL 1A or equivalent

CSU, UC, Associate Degree Applicable

ITAL 2 ELEMENTARY ITALIAN

5 Units
Lecture: 5 hours
Laboratory: 1 hour

This course continues the development of the skills and essentials of the Italian language begun in ITAL 1 or ITAL 1B. Fluency in understanding, speaking, reading, and writing within the context of the Italian society, history, and culture is emphasized.

Prerequisite: ITAL 1 or ITAL 1B or equivalent

CSU, UC, Associate Degree Applicable

ITAL 2A ELEMENTARY ITALIAN

3 Units
Lecture: 3 hours
Laboratory: 1 hour

This course continues the development of the skills and essentials of the Italian language begun in ITAL 1 or ITAL 1B. Fluency in understanding, speaking, reading, and writing within the context of the Italian society, history, and culture is emphasized. Completion of ITAL 2A and ITAL 2B is equivalent to ITAL 2.

Prerequisite: ITAL 1 or ITAL 1B or equivalent

CSU, UC, Associate Degree Applicable

ITAL 2B ELEMENTARY ITALIAN

3 Units
Lecture: 3 hours
Laboratory: 1 hour

This course continues the development of the skills and essentials of the Italian language begun in ITAL 2A. Fluency in understanding, speaking, reading, and writing within the context of the Italian society, history, and culture is emphasized. Completion of ITAL 2A and ITAL 2B is equivalent to ITAL 2.

Prerequisite: ITAL 2A or equivalent

CSU, UC, Associate Degree Applicable

ITAL 3 INTERMEDIATE ITALIAN

4 Units
Lecture: 4 hours
Laboratory: 1 hour

This course strengthens the students' communication skills in the spoken and written language. Emphasis is on the customs and culture of Italy. Italian literature is introduced.

Prerequisite: ITAL 2 or ITAL 2B or equivalent

CSU, UC, Associate Degree Applicable

ITAL 4 INTERMEDIATE ITALIAN

4 Units

Lecture: 4 hours

Laboratory: 1 hour

This course expands the students' ability to communicate in Italian. Emphasis is on the discussion of socio-cultural selections and literature of the Italian-speaking world.

Prerequisite: ITAL 3 or equivalent

CSU, UC, Associate Degree Applicable

ITAL 40A,B SURVEY OF ITALIAN CIVILIZATION

3 Units

Lecture: 3 hours

This course introduces students to the Italian people, culture, and civilization. Italian 40A covers the period from the thirteenth century to the sixteenth century. Italian 40B covers the period from the seventeenth century to the present. Courses need not be taken in sequence and are conducted in English.

Prerequisite: ENG 51

CSU, UC, Associate Degree Applicable

J: JOURNALISM

J 3A NEWS REPORTING & WRITING

3 Units

Lecture: 3 hours

This is a beginning course in news writing that provides instruction and practice in the fundamentals of news reporting. It concentrates on the writing of news with an introduction into feature writing. Included in the course are such topics as interviewing, story organization and structure, the style and language of journalism, and journalistic law and ethics. This course may be substituted for MC 2, Writing for the Mass Media.

Prerequisite: ENG 1A or ENG 3A

CSU, UC, Associate Degree Applicable

J 4A BASIC NEWSPAPER PRODUCTION

3 Units

Lecture: 1 hour

Laboratory: 6 hours

This lecture and laboratory course provides practical experience in working on the staff of a college newspaper. Students concentrate on editorial, production, or advertising activities but are expected to participate in all facets of the operation.

Prerequisite: J 3A or equivalent

Recommended: CIS 82B

CSU, Associate Degree Applicable

J 4B INTERMEDIATE NEWSPAPER PRODUCTION

3 Units

Lecture: 1 hour

Laboratory: 6 hours

This lecture and laboratory course continues to provide practical experience in working on the staff of the college newspaper initiated in the basic course. Students assume a leadership role--whether in editorial, or advertising activities--in producing the newspaper. Students will become familiar with the use of desktop publishing programs.

Prerequisite: J 4A

Recommended: CIS 82B

CSU, Associate Degree Applicable

J 4C ADVANCED NEWSPAPER PRODUCTION

3 Units

Lecture: 1 hour

Laboratory: 6 hours

This lecture and laboratory course continues to provide practical experience in working on the staff of a college newspaper initially undertaken in the basic and intermediate courses. Students act as editor, production supervisor, or advertising director--whether solely or on an alternating basis--and help, supervise, and otherwise guide newer students in producing the newspaper.

Prerequisite: J 4B

Recommended: CIS 82B

CSU, Associate Degree Applicable

J 7 INTRODUCTION TO PHOTOJOURNALISM

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course is designed to acquaint the student with techniques, theories, and special problems of documentary and magazine photography for illustration and reporting. This course is offered on an irregular basis.

Prerequisite: ENG 50

CSU, Associate Degree Applicable

J 10 MAGAZINE ARTICLE WRITING

3 Units

Lecture: 3 hours

A beginning writing course to provide instruction and practice in magazine article writing and a knowledge of current magazine markets. Concentration is on researching, interviewing, organizing, writing and style. This course is offered on an irregular basis.

Prerequisite: ENG 50

Associate Degree Applicable

JPN: JAPANESE

JPN 1A ELEMENTARY JAPANESE

3 Units

Lecture: 3 hours

Laboratory: 1 hour

This course introduces students to elementary communication skills of understanding, speaking, reading, and writing Japanese. Emphasis is on fundamentals of grammar and pronunciation, practical vocabulary and useful phrases and idioms. The honorific, polite, and humble forms of vocabulary and expressions are introduced and analyzed.

CSU, UC, Associate Degree Applicable

JPN 1B ELEMENTARY JAPANESE

3 Units

Lecture: 3 hours

Laboratory: 1 hour

This course introduces students to elementary communication skills of understanding, speaking, reading, and writing Japanese. Emphasis is on fundamentals of grammar and pronunciation, practical vocabulary and useful phrases and idioms. The honorific, polite, and humble forms of vocabulary and expressions are introduced and analyzed.

Prerequisite: JPN 1A or equivalent

CSU, UC, Associate Degree Applicable

JPN 2A ELEMENTARY JAPANESE

3 Units

Lecture: 3 hours

Laboratory: 1 hour

This course continues the development of the skills and essentials of the Japanese language begun in JPN 1B. Fluency in understanding, speaking, reading, and writing within the context of the Japanese society, history, and culture is emphasized.

Prerequisite: JPN 1B or equivalent

CSU, UC, Associate Degree Applicable

JPN 2B ELEMENTARY JAPANESE

3 Units

Lecture: 3 hours

Laboratory: 1 hour

This course continues the development of the skills and essentials of the Japanese language begun in JPN 2A. Fluency in understanding, speaking, reading, and writing within the context of the Japanese society, history, and culture is emphasized.

*Prerequisite: JPN 2A or equivalent*CSU, UC, Associate Degree Applicable

MATH: MATHEMATICS

**MATH 1A CALCULUS
(CAN MATH 18)**

5 Units

Lecture: 5 hours

This course studies the meaning, computation and application of the derivative with an introduction to the integral. Topics include the definition of the derivative, limits, rules of differentiating polynomial, rational, exponential, logarithmic and trigonometric functions, applications of the derivative, and an introduction to the definite integral.

Prerequisite: ENG 51 and 4 years of high school mathematics, including Trigonometry and Geometry with a minimum grade of B in 4th year, or MATH 12, or MATH 10 and MATH 5

CSU, UC, Associate Degree Applicable

**MATH 1B CALCULUS
(CAN MATH 20)**

5 Units

Lecture: 5 hours

This course studies the meaning, computation and application of integration and infinite series. Topics include the definition of the definite integral, techniques of integration, applications of integration, first order separable differential equations, modeling exponential growth and decay, infinite series and approximation of functions using Taylor series with remainder.

Prerequisite: MATH 1A or equivalent

CSU, UC, Associate Degree Applicable

**MATH 2A MULTIVARIATE CALCULUS
(CAN MATH 22)**

5 Units

Lecture: 5 hours

This course extends the concepts of differentiation and integration introduced in the first two semesters of calculus to functions of two or more variables. Topics include solid Euclidean geometry, vector algebra in 3 dimensions, line and surface integrals, multiple integration in rectangular, cylindrical and spherical coordinates, extreme values, parameterized space curves and surfaces, divergence, directional derivatives, gradients, Taylor's theorem for several variables, Gauss', Green's and Stokes' theorems.

*Prerequisite: MATH 1B*CSU, UC, Associate Degree Applicable

MATH 2B LINEAR ALGEBRA

4 Units

Lecture: 4 hours

This course is a standard introductory course in linear algebra. Topics will include vectors in \mathbb{R}^n , matrices and systems of linear equations, determinants, vector spaces, linear independence, linear transformations, eigenvalues, eigenvectors, and diagonalization of certain quadratic forms.

Prerequisite: MATH 1B

CSU, UC, Associate Degree Applicable

MATH 2C ORDINARY DIFFERENTIAL EQUATIONS

4 Units

Lecture: 4 hours

This is a standard introductory course in differential equations including: first, second and higher order; simultaneous, linear, homogeneous differential equations; solutions by power series; LaPlace transform; Fourier series; and application.

Prerequisite: MATH 1B

CSU, UC, Associate Degree Applicable

MATH 5 TRIGONOMETRY (CAN MATH 8)

3 Units

Lecture: 3 hours

This is a theoretical approach to the study of the trigonometric functions with emphasis upon circular functions, trigonometric identities, trigonometric equations, graphical methods, inverse functions, vectors and applications, complex numbers and solving triangles with applications.

Prerequisite: MATH 30 and MATH 40 and second year algebra in high school within the past three years

CSU, Associate Degree Applicable

MATH 10 COLLEGE ALGEBRA (CAN MATH 10)

4 Units

Lecture: 4 hours

This is a function oriented course including a review of algebra, function notation, function terminology and graphs. Polynomial, rational, exponential and logarithmic functions are studied. Additional topics may include systems of equations, conics, summation notation and the binomial theorem.

Prerequisite: MATH 40 or Algebra I and II, and Geometry in high school, or equivalent

CSU, UC, Associate Degree Applicable

MATH 12 PRE-CALCULUS ANALYSIS (CAN MATH 16)

5 Units

Lecture: 5 hours

This is a functions-oriented pre-calculus course including the analysis, graphing, and applications of the polynomial, rational, exponential, logarithmic, trigonometric, and inverse trigonometric functions. Additional topics will include the real and complex number system, an algebraic review and systems of equations.

Prerequisite: MATH 40 and MATH 30, or 4 years of high school math including second year Algebra & 1 year of Geometry with grades of C or better

CSU, UC, Associate Degree Applicable

MATH 13 LIBERAL ARTS MATHEMATICS

4 Units

Lecture: 4 hours

This course is designed for the non-science liberal arts major. Survey topics may include the concept of proof (deduction and induction), probability and statistics, game theory, linear programming, geometry and computers.

Prerequisite: MATH 40 or equivalent

CSU, Associate Degree Applicable

MATH 14 STATISTICAL METHODS (CAN STAT 2)

4 Units

Lecture: 4 hours

This course will study topics from both descriptive and inferential statistics including: histograms, frequency polygons, measures of central tendency and dispersion probability, binomial and normal distributions, estimation and hypothesis testing, and regression and correlation analysis.

Prerequisite: MATH 40

CSU, UC, Associate Degree Applicable

MATH 30 PLANE GEOMETRY

3 Units

Lecture: 3 hours

This course includes fundamentals of plane geometry, including topics in solid and coordinate geometry, developed by both inductive and deductive processes.

Prerequisites: MATH 50 or one year high school Algebra

Associate Degree Applicable

MATH 40 INTERMEDIATE ALGEBRA

4 Units
Lecture: 4 hours

This course offers a brief review and expansion of the topics of Math 50; concentrating on functions, exponents and radicals; quadratic equations; systems of linear and quadratic equations; and conic sections.

Prerequisite: MATH 50 or one year high school Algebra within last 3 years, or equivalent
Associate Degree Applicable

MATH 50 ELEMENTARY ALGEBRA

4 Units
Lecture: 4 hours

This course includes the basic properties of integers, rational numbers, and real numbers; polynomial arithmetic, simple functions and graphing; solving of linear and second degree equations, and gives an introduction to inequalities.

Prerequisite: MATH 57 or equivalent

MATH 56 INTRODUCTORY TECHNICAL MATHEMATICS FOR ELECTRONICS

2 Units
Lecture: 2 hours

This is a basic mathematics course with emphasis on skills needed in electronics. It includes fractions, decimals, percentage, signed numbers, scientific notation, algebraic operations, the metric system as used in electronics; graphing, and trigonometric principles.

Associate Degree Applicable

MATH 57 COLLEGE ARITHMETIC

3 Units
Lecture: 3 hours
Laboratory: 1.5 hours

This course provides an understanding of and competency in the basic operations of elementary arithmetic. Topics include adding, subtracting, multiplying and dividing whole numbers, decimals and fractions. Other topics include: ratios and proportions, percent, the metric system and basic algebraic problem solving.

Advisory: RDG 50

MATH 60A INTRODUCTION TO THE GRAPHING CALCULATOR

1 Unit
Lecture: 1 hour

This course explores the link between the graphing calculator and mathematics. Students are guided through exploration of topics in Algebra using the graphing calculator. This course prepares students to competently

employ the graphing calculator in future mathematics courses. Students may choose the credit/no credit grading option.

Advisory: ENG 50 or equivalent; MATH 50 or equivalent

MATH 61 MATH ANXIETY REDUCTION

1 Unit
Lecture: 1 hour

This is a comprehensive, multifaceted course to aid students in math-anxiety reduction and ease re-entry into a Math program. Topics include reduction of internal psychological stumbling blocks, confidence building, visualization, learning-style enhancement, and effective study and test-taking skills. Students receive a credit/no credit grade mark.

Advisory: ENG 50 or equivalent

MATH 97A-D MATHEMATICS SUPPLEMENTAL LAB

½ Unit
Laboratory: 1.5 hours

MATH 98A-D MATHEMATICS SUPPLEMENTAL LAB

1 Unit
Laboratory: 3 hours

Mathematics Supplemental Laboratory is an open entry/open exit environment which provides opportunities to develop mathematical skills, notation, and language for students enrolled in MATH 30, MATH 40 or MATH 50. Emphasis is on the one-to-one tutorial, computer assisted instruction, and audio visual aids.

Prerequisite: MATH 57

MC: MASS COMMUNICATION

MC 1 MASS MEDIA IN AMERICAN CULTURE

3 Units
Lecture: 3 hours

This course introduces students to the influences and contributions of the mass media in American popular culture. It traces the historical development of western culture and mass communication and focuses upon the interrelationship of the two. It is designed to enhance student awareness of the impact of the mass media in shaping mass culture.

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

MC 3 TELECOMMUNICATIONS

3 Units

Lecture: 3 hours

This is an introductory course designed to acquaint students with telecommunications through a survey of the field's history, philosophy, legal aspects, networks, government regulations, programming, production sales, engineering operations, and future technological trends. Open to all students seeking a background in this rapidly changing field of electronic media.

Prerequisite: ENG 50

CSU, Associate Degree Applicable

MC 4 INTRODUCTION TO MEDIA ADVERTISING

3 Units

Lecture: 3 hours

This course introduces students to the field of media advertising and the role it plays in American society. Students will be given an historical overview of the field and will be introduced to advertising layout, design, and sales strategies. This course is offered on an irregular basis.

Prerequisite: ENG 50

CSU, Associate Degree Applicable

MC 5 INTRODUCTION TO PUBLIC RELATIONS

3 Units

Lecture: 3 hours

This course offers students an overview of the public relations field with a practical approach to the handling and planning, of public relations campaigns. This course is offered on an irregular basis.

Prerequisite: ENG 50

CSU, Associate Degree Applicable

MUS: MUSIC

MUS 1A-D MUSICIANSHIP

3 Units

Lecture: 3 hours

Laboratory: 2 hours

This is the basic course in the development of skills in ear training and sight singing designed for the music major. This course is correlated with MUS 2A,B,C,D.

CSU, UC, Associate Degree Applicable

MUS 2A-D HARMONY

3 Units

Lecture: 3 hours

This course is the study of the harmonization of figured bass and of given and original melodies; including triads, passing and auxiliary tones, seventh chords, and modulations.

Corequisite: MUS 1A-D

CSU, UC, Associate Degree Applicable

MUS 5 HISTORY OF ROCK 'N' ROLL

3 Units

Lecture: 3 hours

This course is a survey of rock and roll music, focusing on the rock musician, the music, and the manner in which sociological, political and economic conditions merged in the evolution of this art form.

Advisory: ENG 50

CSU, Associate Degree Applicable

MUS 8 MUSIC OF MULTICULTURAL AMERICA

3 Units

Lecture: 3 hours

This course is a comparative and integrative study of the multicultural musical styles of the United States. It includes the musics of Native Americans, European Americans, African Americans, Chicano/Latino Americans, and Asian Americans, from their historical roots to the present. There will be analysis of musical traditions from a technical and a cultural perspective; and sequential development of listening and descriptive skills through a variety of media including films, recordings, computer-assisted instruction. (Also listed as, and equivalent to, HUM 8)

Advisory: ENG 50

CSU, Associate Degree Applicable

MUS 10 INTRODUCTION TO MUSIC

3 Units

Lecture: 3 hours

This course is designed for the general college student and non-music major. It is a general survey of the development of music with emphasis on the esthetic, formal and historical factors, correlated with parallel movements in the other arts.

Prerequisite: ENG 50

CSU, UC, Associate Degree Applicable

MUS 12 FUNDAMENTALS OF MUSIC

3 Units
Lecture: 3 hours

This course is designed for the general college student and prospective elementary teachers. It covers the study of the basic fundamentals of music: lines and spaces, notes and note values, meter, time signatures, modes, major and minor scales, key signatures, intervals and chords.

Note: No UC credit if taken *after* MUS 15.

CSU, UC, Associate Degree Applicable

MUS 14A-D SURVEY OF OPERA

2 Units
Lecture: 2 hours

This course is a critical study of representative operas. Selections will be made from works being performed locally, on radio, television and recordings.

CSU, UC, Associate Degree Applicable

MUS 15 INTRODUCTION TO MUSIC THEORY

2 Units
Lecture: 2 hours

This course is a study of chord voicing, simple chord progression and melodic structure. A strong emphasis will be placed upon sight singing, ear training and keyboard proficiency.

Note: Must be taken *before* MUS 15 for UC credit.

Prerequisite: MUS 12 or equivalent
CSU, UC, Associate Degree Applicable

MUS 21A-D CLASS PIANO

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course focuses on the fundamentals of piano technique, tone production, rhythm, sight reading, interpretation and keyboard facility. Students are placed in the appropriate section according to their ability from beginning to advanced I and advanced II.

Prerequisite: Must be taken in sequence
CSU, UC, Associate Degree Applicable

MUS 22A-D CLASS VOICE

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course teaches fundamental techniques of solo and ensemble singing. Problems of tone production, breathing, diction, repertoire, and song interpretation are addressed.

CSU, UC, Associate Degree Applicable

MUS 25A-D CLASS PERCUSSION

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course includes the fundamentals of snare drum technique and basics of counting. It is designed for non-music majors with no background in reading music or the playing of percussion instruments.

CSU, UC, Associate Degree Applicable

MUS 32A-D COLLEGE CHORUS

1 Unit
Laboratory: 3 hours rehearsal each week

This course includes the study and performance of either one large scale work or a program of representative choral works; public performance is required. Three hours of rehearsal is required.

CSU, UC, Associate Degree Applicable

MUS 33A-D SYMPHONIC BAND

1 Unit
Laboratory: 4 hours rehearsal each week

This course is a combination laboratory and performance organization dedicated to acquaint the student with a wide variety of symphonic band musical literature, composers and soloists.

Prerequisite: Audition is required to determine if student is eligible for enrollment

CSU, UC, Associate Degree Applicable

MUS 34A-D VOCAL ENSEMBLE

1 Unit
Laboratory: 4 hours rehearsal each week

This course provides students with an opportunity to study and perform music written for small vocal ensembles; rehearsals and public performances are required.

Prerequisite: Audition is required to determine if student is eligible for enrollment

CSU, UC, Associate Degree Applicable

MUS 36A-D OPERA WORKSHOP

2 Units
Laboratory: 6 hours

This course provides students with opportunities to study musical, dramatic, and language techniques in opera through the performance of representative scenes and acts, and or participation in college performances.

CSU, UC, Associate Degree Applicable

MUS 39A-D CLASS GUITAR

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course covers the fundamentals of guitar technique, with emphasis on right and left hand positioning, fingering and control. Musical examples from the classical repertoire as well as popular song accompaniment will be covered.

CSU, UC, Associate Degree Applicable

MUS 62A-D PERCUSSION ENSEMBLE

1 Unit

Laboratory: 4 hours

In this course the student will study and perform literature originally written for any grouping of percussion instruments.

Prerequisite: Audition is required to determine if student is eligible for enrollment

CSU, UC, Associate Degree Applicable

MUS 71A-D JAZZ ENSEMBLE

1 Unit

Laboratory: 4 hours rehearsal each week

This course is a combination laboratory and performance organization designed to acquaint the student with a wide variety of jazz and swing compositions, arrangers and soloists.

Prerequisite: Audition is required to determine if student is eligible for enrollment

CSU, UC, Associate Degree Applicable

MUS 75A-D RECORDING TECHNIQUES

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course includes the study and performance of specifically prepared musical arrangements designed for recording purposes, the technique of multiple recording, click track recording, over-dubbing and microphone usage. The application of these skills to the field of commercials and jingles will also be included. Open to instrumental and vocal students.

Prerequisite: Audition is required to determine if student is eligible for enrollment

CSU, Associate Degree Applicable

MUS 78A-D COMPUTERS AND MUSIC

2 Units

Lecture: 2 hours

Laboratory: 1 hour

This course is designed to explore the history, theory and practice of Electronic Music and the development of MIDI (Musical Instrument Digital Interface). Students will have "hands-on" experience in the use of synthesizers, rhythm composers, computers and computer music software. Students will compose and arrange original compositions and work with existing repertoire through the medium of electronic music techniques.

Prerequisite: Background in music and basic knowledge of keyboard desirable

CSU, Associate Degree Applicable

MUS 89A-D STAGE BAND

1 Unit

Laboratory: 3 hours

This course is designed as a popular, modern music performing group for a variety of school and community related activities and functions.

Prerequisite: Ability to perform level III - IV swing music

CSU, UC, Associate Degree Applicable

MUS 95A-D ADVANCED VOCAL ENSEMBLE

1 Unit

Laboratory: 3 hours

This course provides an opportunity for advanced study and performances of music literature for small vocal ensembles. Public performances are required.

Prerequisite: MUS 34D

CSU, UC, Associate Degree Applicable

MUS 96A-D ADVANCED OPERA WORKSHOP

2 Units

Laboratory: 6 hours

Students in this course participate in all non-orchestral aspects of an operatic production, ranging from performance to publicity. Participation in rehearsals staging, set designing, costuming, and acquisition of props and public performances are required.

CSU, UC, Associate Degree Applicable

N: NURSING**N 1 BASIC CONCEPTS IN NURSING PRACTICE**

8 Units
Lecture: 4 hours
Laboratory: 12 hours

This course introduces students to the organizing framework of the program and to the nursing process. The focus is on optimum wellness. Basic care concepts and skills common to promoting, maintaining or restoring health are presented in the classroom and practiced in college and clinical laboratories. Care is focused on the needs of medical, surgical and geriatric clients.

Prerequisite: ENG 51, MATH 57, one year high school Chemistry with a grade of C or better or CH 4
CSU, Associate Degree Applicable

N 2 CONCEPTS OF NURSING PRACTICE FOR COMMONLY OCCURRING ALTERATIONS IN HEALTH

9 Units
Lecture: 5 hours
Laboratory: 12 hours

This course builds on concepts introduced in Nursing 1 with emphasis on commonly occurring alterations in health in the medical, surgical, and pediatric client. Students receive lectures on campus and gain clinical skills in both the campus laboratory and in a local hospital.

Prerequisite: ENG 1A or 3A, BI 22, PSY 1, and N 1
CSU, Associate Degree Applicable

N 3A CONCEPTS OF NURSING PRACTICE FOR COMPLEX ALTERATIONS IN HEALTH

9 Units
Lecture: 4 hours
Laboratory: 15 hours

This course focuses on promoting, maintaining or restoring health of clients with alterations in psychological functioning or during the childbearing process. Previously learned principles of medical surgical nursing are applied. Clinical experience is provided in psychiatric, obstetrical and medical/surgical settings.

Prerequisite: BI 23, SOC 1 or 4, and N 2
Corequisite: N 3B
CSU, Associate Degree Applicable

N 3B ISSUES IN NURSING

½ Unit
Lecture: .5 hour

This course introduces the student to the non-clinical aspects of nursing and discusses professional, credentialing, collective bargaining, nursing organizations, and legal, ethical and bioethical issues frequently encountered by the new graduate. This course may be used for continuing education credit.

Prerequisite: N 2 or equivalent

Corequisite: N 3A

CSU, Associate Degree Applicable

N 4A CONCEPTS OF NURSING PRACTICE FOR ACUTE COMPLEX ALTERATIONS IN HEALTH

9 Units
Lecture: 4 hours
Laboratory: 15 hours

In this course students gain knowledge and experience with clients whose optimum level of wellness is altered by acute and complex conditions. Experience is provided in medical and surgical units of the hospital and in intensive, critical care, geriatric and emergency departments.

Prerequisite: N 3A, SP 1 or 4 or 5 or 15, and BI 15

Corequisite: N 4B

CSU, Associate Degree Applicable

N 4B MANAGEMENT CONCEPTS IN NURSING

½ Unit
Lecture: .5 hour

This course introduces students to beginning management concepts in nursing. Students learn how to organize time, delegate responsibilities, teach and supervise those with lesser educational preparation, and use performance evaluation. Decision-making is emphasized. (Experience in supervision of others will be provided during the clinical portion of N 4A.)

Prerequisite: N 3A and BI 15

Corequisite: N 4A

CSU, Associate Degree Applicable

NR: NATURAL RESOURCES

NR 1 CONSERVATION OF NATURAL RESOURCES

3 Units
Lecture: 3 hours

This environmental science course encompasses a study of general ecological principles including: biological energy relationships, elemental cycles, population dynamics, limiting factors, biotic communities, and natural resources measurements. Environmental issues are examined from an ecological perspective and include such topics as: water quality, air pollution, energy resources, toxic chemicals, and human population growth. Emphases are placed on the effects of environmental problems upon all living organisms, and the role of human beings in reducing their impact on this planet. Suggested for Biological Science General Education Requirements.

Prerequisite: ENG 50 or equivalent
Advisory: Concurrent enrollment in NR 1L
CSU, UC, Associate Degree Applicable

NR 1L CONSERVATION OF NATURAL RESOURCES LABORATORY

1 Unit
Laboratory: 3 hours

A laboratory designed to supplement the Conservation of Natural Resources course by providing laboratory and field experiences in environmental subject areas. Suggested for Biological Science General Education Requirements.

Prerequisite: NR 1, or
Corequisite: NR 1
CSU, UC, Associate Degree Applicable

NR 2 INTRODUCTION TO FORESTRY

3 Units
Lecture: 3 hours

This course covers the history of forestry and the lumber industry including the forest resource, its management, conservation and utilization. Forestry terminology and the use of basic engineering equipment, along with job opportunities in public and private forestry, wildlife management, and related fields are discussed. Silviculture, dendrology, cruising and scaling are studied.

Prerequisite: ENG 50 or equivalent
CSU, UC, Associate Degree Applicable

NR 3 INTRODUCTION TO WILDLIFE MANAGEMENT

3 Units
Lecture: 3 hours

This course covers the principles of wildlife biology as related to wildlife management. Students will be introduced to basic skills involved in wildlife conservation, and develop an understanding of the relationships between wildlife, people and outdoor recreation. Subjects to be covered include: basic ecological concepts; population dynamics; wildlife habitats and nutrition; wildlife identification and natural history; field methods; fish and game laws; and career opportunities.

Advisory: NR 1
CSU, Associate Degree Applicable

NR 41A-D NATIVE PLANTS

1 Unit
Lecture: 1 hour

This course is designed to introduce students to the identification of native plants of California. Plants to be studied will vary each semester. Normally, one of the following plant groups will be emphasized: desert annuals, desert trees and shrubs, mountain annuals, mountain trees and shrubs.

Prerequisite: ENG 50 or equivalent
CSU, Associate Degree Applicable

OH: ORNAMENTAL HORTICULTURE

OH 1 HORTICULTURE

3 Units
Lecture: 3 hours

This course offers an opportunity to learn the basic structure and function of plants, their place in the world of human activity and the methods used to manipulate the botanical world to human advantage. Students can expect to be exposed to plant anatomy, morphology and physiology as well as such practical matters as plant propagation, pruning and fertilization. Scientific method and the bases of scientific thinking are introduced, discussed and practiced.

Prerequisite: ENG 50 or equivalent
CSU, UC, Associate Degree Applicable

OH 1L HORTICULTURE LABORATORY

1 Unit

Laboratory: 3 hours

This laboratory is companion of OH 1. It is intended to provide an introduction to some biological science procedures as well as direct experience with horticultural operations. Included are: plant propagation, pruning, anatomy, morphology, taxonomic keys, transplanting and plant use, and pesticides.

Advisory: OH 1 or prior completion
CSU, UC, Associate Degree Applicable

OH 4 TURFGRASS MANAGEMENT

2 Units

Lecture: 2 hours

This course introduces the basic turfgrass principles used in the maintenance of turfgrass areas. It covers the major factors in turfgrass management which control the quality of grass. Emphasis is placed on management practices used to produce a good turfgrass area in a desert environment.

Prerequisite: ENG 50 or equivalent
CSU, Associate Degree Applicable

OH 4L TURFGRASS MANAGEMENT LABORATORY

1 Unit

Laboratory: 3 hours

This laboratory is intended to supplement the Turfgrass Management course (OH 4) by providing laboratory and field experiences in turfgrass management subject areas.

Prerequisite: OH 4, or
Corequisite: OH 4
CSU, Associate Degree Applicable

OH 5A ORNAMENTAL PLANT IDENTIFICATION

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course first acquaints the student with the principles of plant taxonomy and the descriptive language necessary to discuss plants accurately. It then goes on to introduce 210 species of perennials, interior plants, vines, ground covers, and succulents for California's low elevation deserts. Each plant is covered with respect to its identification, growth habits, culture, use and pests.

Prerequisite: ENG 50 or equivalent
CSU, UC, Associate Degree Applicable

OH 5B ORNAMENTAL PLANT IDENTIFICATION

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course first acquaints the student with the principles of plant taxonomy and the descriptive language necessary to discuss plants accurately. It then goes on to introduce 210 species of trees and shrub for California's low elevation deserts. Each plant is covered with respect to its identification, growth habits, culture, use and pests.

Prerequisite: ENG 50 or equivalent
CSU, Associate Degree Applicable

OH 9 LANDSCAPE PLANNING AND DESIGN

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course is meant for students interested in landscape planning and design, and will cover skills necessary to analyze human use of outdoor spaces and provide design solutions that best fit people into the developed landscape. Emphasis will be placed on residential landscape design and garden making, although commercial properties will be included.

Prerequisite: ENG 50 or equivalent
CSU, Associate Degree Applicable

OH 10 ADVANCED LANDSCAPE DESIGN

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course is an investigation of human relationships to natural forces, forms and features in the landscape. Analysis of site and client variables, organization of spaces, visual aspects of plan arrangement, circulation, structures in the landscape and microclimate manipulation are considered in depth. Garden design will be approached from both the engineering and fine art perspectives.

Prerequisites: OH 9 or equivalent
CSU, Associate Degree Applicable

OH 16 ARBORICULTURE

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course addresses all aspects of tree care. Students learn the morphology, anatomy, and physiology of trees. Topics of discussion are: plant interactions with soil, air, water and micro and macro-organisms; human intervention, including pruning, planting, climbing, fertilization, watering, pest control, vandalism and aesthetics. Class instruction prepares students for the International Arborists Certification.

Advisory: OH 1 or AGPS 5

CSU, Associate Degree Applicable

OH 20 LANDSCAPE CONSTRUCTION

2 Units

Lecture: 1 hour

Laboratory: 3 hours

Landscape drawings and/or blueprints will be analyzed to determine materials and labor in order to submit bids complying with the Landscape Contracting Laws and Regulations. On completion of the above, students will make arrangements for procuring the necessary materials to install and/or supervise the actual installation and completion of the landscape project.

Prerequisite: ENG 50 or equivalent

CSU, Associate Degree Applicable

OH 21 LANDSCAPE CONSTRUCTION II

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course provides exposure to management and administrative skills as well as financial matters and equipment operation. Students study subjects and participate in activities similar to those in OH 20 but a higher level of competence. On-site design, personnel management as well as other critical thinking and decision making skills are stressed.

Prerequisite: OH 20

CSU, Associate Degree Applicable

OH 24 ADVANCED TURFGRASS MANAGEMENT

3 Units

Lecture: 3 hours

This course uses the basic principles of turfgrass science learned in the introductory turfgrass management

courses; those principles are applied to golf course maintenance procedures. Golf course operational procedures for the desert environment are emphasized.

Prerequisite: OH 4

CSU, Associate Degree Applicable

OH 25 SPECIALIZED TURFGRASS MANAGEMENT

3 Units

Lecture: 3 hours

This is an advanced course intended to expose students to the management techniques used for specialized turfgrass areas such as golf greens, football fields, soccer fields, baseball diamonds, bowling greens, grass tennis courts, polo fields, and turf race tracks. Emphasis will be placed on design, construction and maintenance. Completion of this course will provide students with the specialized skills required to maintain turfgrass areas often associated with golf course resort complexes.

Prerequisite: OH 24 and AGPS 1 (may be taken concurrently)

CSU, Associate Degree Applicable

OH 26 TURFGRASS MANAGEMENT INTERNSHIP

3 Units

Laboratory: 9 hours

This course provides advanced turfgrass management students an opportunity to receive supervised practical experience on golf courses. The students will gain the skills and knowledge necessary to become a golf course superintendent. Emphasis will be placed on having the internships on the Coachella Valley golf courses.

Prerequisite: OH 4

CSU, Associate Degree Applicable

OH 27 TURFGRASS PEST MANAGEMENT

3 Units

Lecture: 3 hours

This course provides current state of the art and science of turfgrass pest management. The course is designed to provide the student with a comprehensive knowledge of disease, insect, and weed pests. Emphasis is placed on how to identify turfgrass pests; plus cultural, chemical, and other control measures designed to keep pest damage to a minimum.

Prerequisite: ENG 50 or equivalent

CSU, Associate Degree Applicable

OH 30 LANDSCAPE EQUIPMENT

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course covers principles and practices in the maintenance, operation and selection of equipment and power units used in the horticultural field.

Prerequisite: ENG 50 or equivalent

CSU, Associate Degree Applicable

OH 33 GOLF CAR MAINTENANCE

2 Units

Lecture: 1 hour

Laboratory: 3 hours

Preventive maintenance of golf cars will be studied with an emphasis on batteries and electric switches. Laboratory experience in the maintenance of both electric and gasoline golf cars is included.

Prerequisite: ENG 50 or equivalent

Associate Degree Applicable

OH 34 GOLF COURSE MANAGEMENT AND DESIGN

3 Units

Lecture: 3 hours

This course involves the design, maintenance, and operation of golf courses. It includes the study of equipment, scheduling of maintenance, and directing the staff in the design and maintenance of golf courses. It places heavy emphasis in developing a basic understanding of the turfgrass principles required to produce a championship golf course.

Prerequisite: ENG 50 or equivalent; admittance to the Golf Management Program

CSU, Associate Degree Applicable

OH 46 LANDSCAPE IRRIGATION SYSTEMS

2 Units

Lecture: 2 hours

This course provides the students with information necessary to design, install, and maintain landscape irrigation systems. Plan reading, design, materials, equipment, installation, trouble-shooting, and cost estimating are addressed.

Prerequisite: ENG 50 or equivalent; MATH 57 or equivalent

CSU, Associate Degree Applicable

OH 46L LANDSCAPE IRRIGATION SYSTEMS LABORATORY

1 Unit

Laboratory: 3 hours

This laboratory is intended to supplement the Landscape Irrigation Systems course (OH 46) by providing laboratory and field experiences in landscape irrigation subject areas.

Prerequisite: OH 46, or

Corequisite: OH 46

CSU, Associate Degree Applicable

OH 70A-C SPECIAL PROBLEMS

1 Unit (A)/Laboratory: 3 hours

2 Units (B)/Laboratory: 6 hours

3 Units (C)/Laboratory: 9 hours

Supervised placement for experience with nurseries, florists, landscape contractors, golf courses, and other established ornamental horticultural enterprises. Designed to provide experience in the major areas of interest through directed non-reimbursed participation by students majoring in the ornamental horticultural field and closely allied area of employment.

Associate Degree Applicable

OIS: OFFICE INFORMATION SYSTEMS

OIS 63 OFFICE SYSTEMS & PROCEDURES (Copper Mountain only)

3 Units

Lecture: 3 hours

This course examines the principles and procedures of today's secretarial profession. Students study office structures and secretarial skills such as human relations, oral and written communications, administrative support services, records management, assisting with travel and conferences, organizing business data, placement, advancement, and supervision in the professional secretarial field.

Associate Degree Applicable

OIS 65 FUNDAMENTAL BUSINESS COMMUNICATIONS (Copper Mountain only)

3 Units

Lecture: 3 hours

This course covers the basic rules of communications including current English usage needed in the business office. Students study the parts of speech, punctuation, capitalization, spelling, and sentence structure.

Associate Degree Applicable

PE: PHYSICAL EDUCATION

PE 1 FIRST AID AND SAFETY

3 Units

Lecture: 3 hours

This course includes theory and practice in immediate and temporary care given in case of accident or sudden illness, until service of a physician can be obtained. Upon successful completion, certificates in first aid and C.P.R. are awarded.

Prerequisite: ENG 50

CSU, UC, Associate Degree Applicable

PE 2 SPORTS OFFICIATING

3 Units

Lecture: 3 hours

This course provides instruction in the qualifications, duties, mechanics, and interpretations of officiating football, basketball, baseball, softball, track & field, cross country, volleyball, soccer, swimming, tennis and golf. Emphasis is on NCAA and California Community College rules.

Prerequisite: ENG 50

CSU, UC, Associate Degree Applicable

PE 5 FOUNDATIONS OF COACHING

3 Units

Lecture: 3 hours

This course introduces the student to the profession of athletic coaching. Emphasis is on a comprehensive approach to the art and science of coaching including developing a coaching philosophy, sport psychology, sport pedagogy, sport physiology, and sport management. Subject matter includes coaching objectives and style, communication skills, principles of reinforcement, motivation, teaching sport skills, principles for training, team management and self-management.

Prerequisite: ENG 50

CSU, UC, Associate Degree Applicable

PE 8 INTRODUCTION TO HEALTH AND PHYSICAL EDUCATION

3 Units

Lecture: 3 hours

This course introduces the student to the professional field of physical education and health as related to the teaching and coaching profession. It brings forward the present curriculum involved with all levels of education, professional organizations, and literature requirements

supporting this profession. It includes evaluation of teaching methods, strategies, and skill testing commonly needed by professional physical educators, coaches, and recreation leaders.

Prerequisite: ENG 50

CSU, UC, Associate Degree Applicable

PE 15 INTRODUCTION TO CHOREOGRAPHY

2 Units

Lecture: 1 hour

Laboratory: 3 hours

This course is an introduction to the fundamental elements of choreography and their practical application in creating dance composition.

Prerequisite: ENG 50

CSU, UC, Associate Degree Applicable

PE 43 BADMINTON

1 Unit

Lecture: .5 hour

Laboratory: 1.5 hours

This course provides beginning, intermediate, and advanced instruction and practice in the skills, strategies, and rules of singles and doubles badminton. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

PE 44 BASEBALL, FALL

1 Unit

Lecture: .5 hour

Laboratory 1.5 hours

This course provides beginning, intermediate, and advanced instruction and practice in the skills and strategies of baseball. May be taken for a total of four times.

Prerequisite: Varsity player/prospect or coach's permission.

CSU, UC, Associate Degree Applicable

PE 45 BASKETBALL

1 Unit

Lecture: .5 hour

Laboratory: 1.5 hours

This course provides beginning, intermediate, and advanced instruction and practice in skills, offensive and defensive strategies, and officiating of basketball. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

PE 47 DANCE, BODY SCULPT AND TONE

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course is an exercise class for all students. It strengthens and tones specific problem areas of muscle weakness in the body. The students tone areas not normally strengthened with dancing or other aerobic exercise activities. By focusing on each specific area of the body, they increase their knowledge of injury prevention. Students also learn the fundamental principles of physical fitness and their impact on life-long health and wellness. May be taken for a total of four times.

CSU, Associate Degree Applicable

PE 50 DANCE, MODERN

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course includes beginning, intermediate, and advanced instruction in modern dance techniques as a vehicle for creating original movement. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

PE 51 DANCE, AEROBIC

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course provides beginning, intermediate, and advanced instruction in principles, techniques and practices of fundamental movements used in rhythmic activities, basic dance, and exercise conditioning, with special emphasis on aerobics. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

PE 52 DANCE, AEROBIC (Low Impact)

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course provides beginning, intermediate, and advanced instruction in principles, techniques, and practices of fundamental movements used in rhythmic activities, basic dance, and exercise conditioning, with special emphasis on low impact aerobics. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

PE 53 DANCE, MODERN (Jazz)

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course provides beginning, intermediate, and advanced instruction in jazz dance technique emphasizing optimum body placement and improved body mechanics and coordination. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

PE 54 DANCE, STEP AEROBIC

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course provides beginning, intermediate, and advanced instruction in principles, techniques, and practices of aerobic conditioning by means of "step" platforms. Toning and strength exercises may also be used for upper and lower body strengthening. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

PE 55 DANCE, TAP

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course provides beginning, intermediate, and advanced instruction in basic tap dance steps and simple choreography forms for the improvement of coordination and physical conditioning. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

PE 56 DANCE, BALLET

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course provides beginning, intermediate, and advanced instruction in ballet technique, vocabulary, history, current events, and appreciation of ballet as an art form. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

PE 57 FENCING

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course provides beginning, intermediate, and advanced instruction and performance in fencing skills, and bodily development pertinent thereto, in each of the three competitive weapons: the foil, the sabre, and the epee. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

**PE 59 FLEXIBILITY AND AGILITY,
SPORT PERFORMANCE**

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course provides beginning, intermediate, and advanced instruction for students interested in improving "complete" physical strength, muscular endurance, anaerobic endurance and increased muscular elasticity while reducing connective tissue injuries. Students are required to participate in strenuous physical activity and testing. May be taken for a total of four times.

Prerequisite: Varsity player/prospect or coach's permission
CSU, UC, Associate Degree Applicable

PE 60 FOOTBALL CONDITIONING

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course provides beginning, intermediate, and advanced intensive conditioning and preparation for intercollegiate football. May be taken for a total of four times.

Prerequisite: Varsity football player/prospect or coach's permission
CSU, UC, Associate Degree Applicable

PE 61 FOOTBALL, SPRING

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course provides beginning, intermediate, and advanced field and classroom preparation for performance oriented students who demonstrate a high degree of skill and interest in intercollegiate football. May be taken for a total of four times.

Prerequisite: Varsity football player/prospect or coach's permission
CSU, UC, Associate Degree Applicable

PE 62 GOLF

1 Unit
Lecture: .5 hour
Laboratory 1.5 hours

This course provides beginning, intermediate, and advanced instruction and practice in the skills and strategies of golf. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

PE 63 GOLF: THE SHORT GAME

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course provides beginning, intermediate, and advanced instruction and practice in the skills and strategies of the short game of golf. The emphasis of this course is on golf shots up to 100 yards. May be taken for a total of four times.

Advisory: Students should have had some previous golf experience.

CSU, Associate Degree Applicable

PE 64 ADAPTED TENNIS

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

Tennis for students with disabilities. Offers instruction and practice in adapted skills, strategies, and rules of tennis designed to meet individual needs. May be taken as many times as desired.

Advisory: Designed for students with disabilities
CSU, UC, Associate Degree Applicable

PE 65 ADAPTED PHYSICAL ACTIVITY

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course for students with disabilities emphasizes the development of an individualized weight training and fitness program. Mobility assistants are provided. May be taken as many times as desired.

Advisory: Designed for students with disabilities
CSU, UC, Associate Degree Applicable

PE 66 ADAPTED FITNESS AQUATICS

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course for students with disabilities emphasizes physical fitness, flexibility, and balance through resistance exercises in the water. The pool is four feet deep. Pool lifts and instructional aides are available. May be taken as many times as desired.

Advisory: Designed for students with disabilities
CSU, UC, Associate Degree Applicable

PE 67 ADAPTED GOLF

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course provides golf instruction and practice that is adapted for students with disabilities. May be taken as many times as desired.

Advisory: Designed for students with disabilities
CSU, UC, Associate Degree Applicable

PE 68 JOGGING, POWERWALKING, & RUNNING

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course provides beginning, intermediate, and advanced instruction in a progressive program of powerwalking and running as applied to health and fitness. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

PE 74 PHYSICAL FITNESS, SPORT PERFORMANCE

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course provides the practical application of kinetic principles of HUMAN GAIT relative to upper and lower body extremity movement. It focuses on increased efficiency in vertical jump, lateral movement, forward and backward linear movement and its effects upon speed development and athletic performance improvement for the beginning, intermediate, and advanced varsity levels. Students are required to participate in vigorous physical activity, and test and measurement procedures. May be taken for a total of four times.

Prerequisite: Varsity player/prospect or coach's permission
CSU, UC, Associate Degree Applicable

PE 77 SELF-DEFENSE

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course provides an introduction to practical self-defense. Various aspects of the combined arts that are emphasized include history and philosophy of Asian fighting arts, nature of self-defense (origin-development-function), common sense self-defense, precautionary measures, psychology, physical conditioning, women

and special problems, and aesthetic appreciation of form and motion. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

PE 78 SELF-DEFENSE, MARTIAL ARTS

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course provides beginning, intermediate, and advanced instruction in martial arts with an emphasis on physical conditioning, sport, philosophy, and aesthetic appreciation of form and motion. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

PE 79 SOCCER-TOUCH FOOTBALL

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course provides beginning, intermediate, and advanced instruction and practice in the skills and strategies of soccer and touch football. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

PE 80 SOFTBALL

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course provides beginning, intermediate, and advanced instruction and practice in skills, strategies and rules of softball. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

PE 82 SWIMMING

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course provides beginning, intermediate, and advanced instruction and practice in the various swimming techniques. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

PE 86 TENNIS

1 Unit
Lecture: .5 hour
Laboratory: 1.5 hours

This course provides beginning, intermediate, and advanced instruction and practice in skills, strategies, and rules of tennis. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

PE 91 VOLLEYBALL

1 Unit

Lecture: .5 hour

Laboratory: 1.5 hours

This course provides beginning, intermediate, and advanced instruction and practice in skills, offensive and defensive strategies, and officiating of volleyball. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

PE 93 WATER FITNESS

1 Unit

Lecture: .5 hour

Laboratory: 1.5 hours

This course emphasizes physical fitness and flexibility through resistance exercises in the water. The pool is only 4 feet deep. You do not need to know how to swim. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

PE 94 WELLNESS AND FITNESS

1 Unit

Lecture: .5 hour

Laboratory: 1.5 hours

This course is designed to provide instruction on basic fitness activities such as powerwalking, running, aerobics, flexibility, and strength training exercises along with basic fitness principles to support a healthy lifestyle. May be taken for a total of four times.

CSU, Associate Degree Applicable

PE 96 WEIGHT TRAINING

1 Unit

Lecture: .5 hour

Laboratory: 1.5 hours

This course provides practical application of kinetic strength training principles for the beginner, intermediate, and advanced participant. Physical development and improvement are attained through the use of resistance machinery, free weight apparatus and other selected physical conditioning methods. May be taken for a total of four times.

CSU, UC, Associate Degree Applicable

PE 97 WEIGHT TRAINING, FOOTBALL

1 Unit

Lecture: .5 hour

Laboratory: 1.5 hours

This course provides practical application of kinetic strength training principles for the beginner, intermediate,

and advanced varsity football participant/prospect. Physical development and improvement are attained through the use of resistance machinery, free weight apparatus and other selected physical conditioning methods. May be taken for a total of four times.

Prerequisite: Varsity football player/prospect or coach's permission

CSU, UC, Associate Degree Applicable

PH: PHYSICS

**PH 1 HOW THINGS WORK
(The Physics of Everyday Life)**

4 Units

Lecture: 3 hours

Laboratory: 3 hours

This course is an introduction to basic physical concepts, theories, and principles with emphasis on their practical application. This course includes a hands-on approach to learning where students take apart different everyday object and determine how they work. The course includes motion and mechanical objects, fluids and heat, electric and magnetic forces, electronics, electromagnetic waves, optics and materials science.

Note: This course is designed for students in general education who need to satisfy a laboratory requirement in the physical sciences and for those in technical programs who need an introduction to physical concepts. A minimum of mathematics is used in presenting the subject matter.

Prerequisite: MATH 50 and ENG 51

CSU, UC, Associate Degree Applicable

**PH 2A COLLEGE PHYSICS
(CAN PHYS SEQ A)**

4 Units

Lecture: 3 hours

Laboratory: 3 hours

This is a calculus-based physics course designed for any majors not seeking a degree in engineering or the physical sciences. This course is the first semester of the Physics 2 sequence. Physics 2A covers mechanics, sound, fluids and wave motion.

Note: The Physics 2 sequence satisfies the physics requirement for pre-professional and biology students.

Prerequisite: ENG 50 and MATH 10 or MATH 12

Advisory: MATH 1A and ENG 51

CSU, UC, Associate Degree Applicable

**PH 2B COLLEGE PHYSICS
(CAN PHYS SEQ A)**

4 Units

Lecture: 3 hours

Laboratory: 3 hours

This is a calculus-based physics course designed for any majors not seeking a degree in engineering or the physical sciences. This course is the second semester of the Physics 2 sequence. Physics 2B covers electricity, magnetism, heat, optics, and atomic and nuclear physics.

Note: The Physics 2 sequence satisfies the physics requirement for pre-professional and biology students.

Prerequisite: PH 2A

Advisory: MATH 1B

CSU, UC, Associate Degree Applicable

PH 4A,B ENGINEERING PHYSICS

5 Units

Lecture: 4 hours

Laboratory: 3 hours

This is a two semester sequence of courses required of students who plan to major in physics, chemistry, mathematics, engineering, or architecture. This sequence of courses covers mechanics, heat, wave motion, electricity, and magnetism.

Prerequisites: MATH 1A

CSU, UC, Associate Degree Applicable

**PH 5 COMPUTER PROGRAMMING I:
CC++ FOR THE SCIENCES AND
ENGINEERING**

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course is an introduction to the use of CC++ for the solution of problems in the physical sciences and engineering through the structured implementation of algorithms on digital computers. The course emphasizes good programming principles and the development of substantial programs. It introduces the use of computer-based software development tools and systems. The course includes numerical methods such as histogramming, Monte-Carlo Methods for modeling experiments, statistical analysis, curve fitting, and numerical algorithms.

Prerequisite: ENG 50 and MATH 10 or MATH 12

CSU, UC, Associate Degree Applicable

PHIL: PHILOSOPHY

**PHIL 6 INTRODUCTION TO PHILOSOPHY
(CAN PHIL 2)**

3 Units

Lecture: 3 hours

This course surveys the traditional philosophical problems of knowledge, logic, ethics, aesthetics, religion and metaphysics. These problems will be viewed as interrelated dimensions of a struggle to understand the nature and meaning of existence - a struggle which is both collective and individual. Students will confront problems in a way that will stimulate critical thinking and the development of a sound personal philosophy.

Prerequisite: ENG 50

CSU, UC, Associate Degree Applicable

PHIL 7 INTRODUCTION TO PHILOSOPHY

3 Units

Lecture: 3 hours

In this course, students are introduced to the practice of philosophy as revealed through analysis of selected original writings of some of the great philosophers themselves. Among the topics about which these philosophers write are the nature and existence of God, free will and determinism, skepticism and knowledge, morality, ethics and society, logical positivism, plain language philosophy and existentialism.

Prerequisite: ENG 50

CSU, UC, Associate Degree Applicable

**PHIL 8 PHILOSOPHY FROM ANCIENT
TIMES TO RENAISSANCE**

3 Units

Lecture: 3 hours

This course is a study of the historical and logical development of the principal assumptions upon which contemporary thought and activity are based. Focus will be on the ideas and their proponents as viewed within their historical contexts from ancient times to the Renaissance. Emphasis will be placed on those ideas which are as relevant to contemporary life and thought as they were in the past.

Prerequisite: ENG 50

CSU, UC, Associate Degree Applicable

**PHIL 9 PHILOSOPHY FROM
RENAISSANCE TO PRESENT**

3 Units
Lecture: 3 hours

This course is a study of the historical and logical development of the principal assumptions upon which contemporary thought and activity are based. Focus will be on the ideas and their proponents as viewed within their historical contexts from the Renaissance to the present. Emphasis will be placed on those ideas which are as relevant to contemporary life and thought as they were in the past.

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

PHIL 10 GENERAL LOGIC

3 Units
Lecture: 3 hours

In this course, students are introduced to both deductive and inductive logic. Stress is placed on the principles of sound argumentation and the identification of common formal and informal fallacies. Also emphasized are statistical reasoning and the scientific method.

Prerequisite: ENG 1A or 3A, MATH 57
CSU, UC, Associate Degree Applicable

PHIL 11 SYMBOLIC LOGIC

3 Units
Lecture: 3 hours

This course is the study of the methods characteristic of modern formal logic. It includes the symbolic representation of arguments from both truth-functional and predicate logic, the study of validity, the use of truth-tables, truth-trees and other techniques of meaning specification and proof. Computer applications will also be explored.

Prerequisite: ENG 1A or 3A, MATH 57
CSU, UC, Associate Degree Applicable

PHIL 12 RELIGIONS OF THE WORLD

3 Units
Lecture: 3 hours

This course is an historical introduction to the world's religious philosophies - Hinduism, Jainism, Buddhism, Sikhism, Taoism, Confucianism, Shinto, Zoroastrianism, Judaism, Christianity and Islam - with an examination of their original writings and subsequent commentaries.

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

**PHIL 13 PERSPECTIVES ON DEATH AND
DYING**

3 Units
Lecture: 3 hours

In this course, pertinent insights from other cultures, literature, art, law, medicine, psychology, religion and philosophy will be presented, analyzed and critically evaluated. The student will be encouraged to develop an understanding of death and dying as they relate to our knowledge of ourselves and other persons.

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

**PHIL 14 INTRODUCTION TO ETHICS
(CAN PHIL 4)**

3 Units
Lecture: 3 hours

This course is a systematic examination of the concepts of right and wrong, as traditionally conceived, and the application of moral values and principles to problems of daily life.

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

**PHIL 15 LOGIC, ARGUMENTATION AND
CRITICAL ANALYSIS**

3 Units
Lecture: 3 hours

This course provides instruction in logical analysis and synthesis, and the application of these skills to: (1) the critical evaluation of published materials on a wide variety of issues in ethics, politics, religion, science and philosophy; and, (2) the creation of written compositions on these and other similar issues. Both deductive and inductive types of argumentation are studied, including relevant formal and informal fallacies.

Prerequisite: ENG 1A or 3A or equivalent
CSU, UC, Associate Degree Applicable

PS: POLITICAL SCIENCE**PS 1 INTRODUCTION TO GOVERNMENT
(CAN GOVT 2)**

3 Units
Lecture: 3 hours

This course is an introduction to the principles, organization and politics of the National Government of the United States, including the study of State and local government. In considering government at the State level, specific emphasis is given to the government of the State of California. Throughout the course, current issues in American and State politics are stressed.

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

**PS 2 INTRODUCTION TO
COMPARATIVE GOVERNMENTS**

3 Units
Lecture: 3 hours

This course is a comparative study of constitutional principles, governmental institutions and political problems of selected governments. Particular attention is given to the contemporary problems of established and emerging nations.

Prerequisite: PS 1 or HIST 17 or HIST 18
CSU, UC, Associate Degree Applicable

**PS 4 INTRODUCTION TO
INTERNATIONAL RELATIONS**

3 Units
Lecture: 3 hours

This course is an introduction to the nature of political relations among nations, including the basic factors which influence international relations. Emphasis will be placed on an examination of contemporary world politics.

Prerequisite: PS 1 or HIST 17 or HIST 18
CSU, UC, Associate Degree Applicable

**PS 55A-D PRINCIPLES OF STUDENT
LEADERSHIP**

2 Units
Lecture: 2 hours

Students will study parliamentary procedures, organizational structure and governance models. They will have opportunities to develop leadership skills, including communication, facilitation, problem solving and conflict resolution through small group communication. Also listed as STDV 55A-D and SP 55A-D.

Prerequisite: ENG 50
CSU, Associate Degree Applicable

PSY: PSYCHOLOGY**PSY 1 GENERAL PSYCHOLOGY
(CAN PSY 2)**

3 Units
Lecture: 3 hours

This course is an introduction to principles and theories governing animal and human behavior. Topics include developmental psychology, consciousness, psychotropic drugs, learning, motivation, emotion, intelligence, personality, stress, and social psychology, psychotherapy, and psychological disorders.

Prerequisite: ENG 50
Advisory: ENG 51
CSU, UC, Associate Degree Applicable

PSY 3 DEVELOPMENTAL PSYCHOLOGY

3 Units
Lecture: 3 hours

This is a life span course that focuses on the behavioral patterns found at each level of normal human development, including the interrelationships of psychological, sociological, cognitive, and physical development from birth to senescence. The implications for both personal development and professional practice are considered.

Prerequisite: ENG 50
Advisory: ENG 51, PSY 1
CSU, UC, Associate Degree Applicable

**PSY 10 PSYCHOLOGICAL ASPECTS OF
MARRIAGE AND FAMILY**

3 Units
Lecture: 3 hours

This course is designed to develop the student's repertoire of behavioral skills and an understanding of the principles governing successful marriage and family life. Included are areas such as communication, decision-making, human sexuality, divorce, single parenting, alternative family lifestyles and coping with stress.

Prerequisite: ENG 50
Advisory: ENG 51, PSY 1
CSU, Associate Degree Applicable

PSY 12 HUMAN SEXUALITY

3 Units
Lecture: 3 hours

This course examines the development and practice of human sexuality through exploration of the psychological, social, cognitive, and physiological dimensions of human behavior.

Prerequisite: PSY 1
CSU, UC, Associate Degree Applicable

PSY 20 ADOLESCENT PSYCHOLOGY

3 Units
Lecture: 3 hours

This course is an introduction to both research and theory related to the growth and development of adolescents. Major areas emphasized include physical and psychological growth, adolescents and their families, the influence of peers, youth subcultures, sex roles, sexual behavior, self-image and the impact of society at large. A special emphasis is placed on practical techniques useful to parents and professionals who work with adolescents.

Prerequisite: ENG 50

Advisory: ENG 51, PSY 1

CSU, Associate Degree Applicable

PSY 23 PSYCHOLOGY OF WOMEN

3 Units
Lecture: 3 hours

This course presents an overview of the social and personality development of the female. More specifically, the course examines the physiological and psychological differences characteristic of women, as well as those resulting from gender linked cultural values.

Advisory: ENG 51

CSU, UC, Associate Degree Applicable

PSY 33 PERSONAL AND SOCIAL ADJUSTMENT

3 Units
Lecture: 3 hours

This course examines the development of personality and places emphasis upon the problems of adjustment encountered in such areas as school, family, vocation and community. In particular, the course focuses on understanding the causes of frustration and the process of learning adequate methods of coping in problematic situations.

Prerequisite: PSY 1

CSU, Associate Degree Applicable

RDG - READING

RDG 1A CRITICAL READING

3 Units
Lecture: 3 hours

This college freshman course focuses on critical reading and thinking. Students will read, analyze, and respond to college level readings of cultural and historical significance.

Advisory: ENG 51

CSU, Associate Degree Applicable

RDG 45 ADVANCED VOCABULARY

1 Unit
Laboratory: 3 hours

This is an advanced vocabulary course with an intensive words-in-context approach to vocabulary enrichment. Study of word parts and origins is included. It is designed for individualized study.

Prerequisite: ENG 51

Associate Degree Applicable

RDG 50 BASIC READING

3 Units
Lecture: 3 hours
Laboratory: 2 hours

This course is designed to provide extensive study and practice of basic reading skills including vocabulary development and comprehension improvement in preparation for college level courses. Students may choose the credit/no credit grading option.

RDG 51 ANALYTICAL READING

3 Units
Lecture: 3 hours

This course is for students who have a vocabulary base for college-level reading but need practice in analytical reading and critical thinking skills. The focus of this course is on improving comprehension. Students read college-level selections from different disciplines and content areas.

Prerequisite: RDG 50 or equivalent

RDG 55 BASIC VOCABULARY

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This is a basic course in vocabulary development which includes direct study of word meanings, familiarity with the dictionary, analysis of word parts, and working with commonly misunderstood words that sound or look alike. Students may choose the credit/no credit grading option.

RE: RECREATION

RE 1 INTRODUCTION TO COMMUNITY RECREATION

3 Units
Lecture: 3 hours

This is a theory course which teaches leadership of recreation activities with emphasis on the social development and integration of individuals into group programs; mechanics of planning, techniques of presentation; and a repertoire of social activities as tools for social recreation. Students actively participate in the planning and production of various intramural and other special events.

Prerequisite: ENG 50
CSU, Associate Degree Applicable

RE 2A-D RECREATION FIELD WORK

1 Unit
Lecture: 1 hour

This course gives practical experience to students who are training for careers in the HPER/Athletic area. Class activities include work at various facilities both on and off campus.

CSU, Associate Degree Applicable

RESL: READING ENGLISH AS A SECOND LANGUAGE

RESL 50 ESL READING

3 Units
Lecture: 3 hours

This course provides students with practice of basic reading skills in preparation for college level courses. Students may choose the credit/no credit grading option.

Advisory: Concurrent enrollment in ESL 50A and/or ESL 50B

RT: RESPIRATORY THERAPY

RT 1 CARDIOPULMONARY PATHOPHYSIOLOGY

3 Units
Lecture: 3 hours

This course provides a review of the anatomy and physiology of respiratory, cardiovascular, and central nervous system. Also included is a review of medical terminology pertinent to respiratory and cardiovascular disease entities. Clinical and laboratory findings associated with disease and diagnosis are covered. The

pathophysiology of the more common dysfunctions of the respiratory system in adult, pediatric and neonatal patients are presented. The course emphasizes the techniques used by the respiratory therapists in the treatment of disease.

Prerequisite: BI 21 and BI 21L, acceptance into the Respiratory Therapy Program

Advisory: HS 61
CSU, Associate Degree Applicable

RT 2 INTRO TO RESPIRATORY THERAPY

8 Units
Lecture: 4 hours
Laboratory: 12 hours

This course is designed to introduce the prospective therapist to the field of respiratory care as it applies to adult, pediatric and neonatal patients requiring respiratory care. This course also provides in depth preparation in the areas of oxygen delivery as well as vapor and aerosol therapy to patients. Applied physics of respiratory care is emphasized as it relates to the equipment utilized. Basic nursing skills and respiratory care procedures are completed both in the lab and clinical site.

Prerequisite: RT 1
Corequisite: RT 3
CSU, Associate Degree Applicable

RT 3 CARDIOPULMONARY PHARMACOLOGY

2 Units
Lecture: 2 hours

This course provides the student a fundamental understanding of pharmacotherapeutics for adult, pediatric and neonatal patients. The course emphasizes those drug groups that are primarily cardiac or respiratory.

Prerequisite: RT 1
Corequisite: RT 2
CSU, Associate Degree Applicable

RT 4 ASSISTED VENTILATORY THERAPY

11 Units
Lecture: 4 hours
Laboratory: 21 hours

This course provides students with theoretical as well as practical application of methods and principles of providing ventilatory assistance to patients on an intermittent basis. Emphasis is on equipment as it relates to therapeutic application of adult, pediatric and neonatal patients. Alternative methods of breathing assistance are explored and evaluated.

Prerequisite: RT 3
Advisory: CH 4
CSU, Associate Degree Applicable

RT 5 CARDIOPULMONARY SPECIAL PROCEDURES

4 Units
Lecture: 2 hours
Laboratory: 6 hours

This course provides the student with the opportunity for observation and limited participation in the areas of: cardiopulmonary resuscitation; arterial puncture and arterial catheterization, insertion and placement of Swan-Ganz catheters; cardiac catheterization; cardiac and pulmonary surgery; and CAT Scans, MRI, and other specialized radiologic procedures. The course also provides for interpretation of oxygenation disorders; acid-base imbalances of the respiratory and metabolic systems. The student is trained in the interpretation of arterialized samples and treatments.

Prerequisite: RT 4
CSU, Associate Degree Applicable

RT 6 METHODS OF CONTINUOUS VENTILATORY SUPPORT

11 Units
Lecture: 4 hours
Laboratory: 21 hours

The student develops skills for the coordination of the physiological changes in acid base balance occurring in the artificially ventilated adult, pediatric and neonatal patient with appropriate adjustments of the ventilatory devices. Students relate the adjustments of either ventilatory or arterial blood gas analysis to the pathology of the patient.

Prerequisite: RT 5
CSU, Associate Degree Applicable

RT 7 CARDIOPULMONARY FUNCTION TESTING AND REHABILITATION

1½ Units
Lecture: 1 hour
Laboratory: 1.5 hours

This course provides the student theoretical and practical aspects of clinical cardiorespiratory testing procedures. Emphasis is on the interpretation of test results as it relates to diagnosis, treatment and rehabilitation of both cardiac and respiratory clients.

Prerequisite: RT 6
Corequisite: RT 8
CSU, Associate Degree Applicable

RT 8 ADVANCED RESPIRATORY PRACTICUM

4 Units
Laboratory: 12 hours

In this course the student develops professional and clinical competency and time management skills in the clinical site. In order to improve proficiency of clinical skills, rotations are provided through all intensive care unit areas, emergency rooms, pulmonary function test lab, home care, floor therapy and out patient therapy.

Prerequisite: RT 6
CSU, Associate Degree Applicable

RT 9 RESPIRATORY THERAPY REVIEW AND TESTING

3 Units
Lecture: 3 hours

In this course the student develops test taking skills and critical thinking skills graduates need to prepare for State and National Board exams.

Prerequisite: RT 6 or equivalent
Associate Degree Applicable

RTV: RADIO-TELEVISION

RTV 2 RADIO AND TELEVISION ANNOUNCING

2 Units
Lecture: 1 hour
Laboratory: 3 hours

This course offers microphone/broadcast announcing techniques and style for commercial delivery, newscasts, music shows, interviews, public service programs, sports and weather segments. There are also some assignments on writing copy for broadcast-news and commercials. This course is offered every Fall semester.

CSU, Associate Degree Applicable

RTV 3A AUDIO PRODUCTION

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course introduces the techniques, procedures, equipment and devices required to produce audio programs and segments thereof. Actual production experience will be gained through student projects utilizing audio production equipment. This course is offered on an irregular basis.

CSU, Associate Degree Applicable

RTV 3B ADVANCED AUDIO PRODUCTION

3 Units
Lecture: 1 hour
Laboratory: 6 hours

This advanced course provides Audio Production for those persons possessing proven skills. The focus will be on program production. This course is offered on an irregular basis.

Prerequisite: RTV 3A or equivalent; demonstrated production proficiency
CSU, Associate Degree Applicable

RTV 4A TELEVISION PRODUCTION

3 Units
Lecture: 1 hour
Laboratory: 6 hours

This course introduces the student to the techniques, procedures, equipment and devices required to produce television programs and commercials. Actual program production experience will be gained through student projects utilizing college television studio and field production equipment.

Prerequisite: ENG 50
CSU, Associate Degree Applicable

RTV 4B ADVANCED TELEVISION PRODUCTION

3 Units
Lecture: 1 hour
Laboratory: 6 hours

This is an advanced course in television production for those persons possessing proven television production skills. The focus will be on post production editing.

Prerequisite: RTV 4A or equivalent
CSU, Associate Degree Applicable

RTV 5 RADIO AND TELEVISION WRITING

3 Units
Lecture: 3 hours

This course provides an introduction to the analysis and preparation of scripts covering the areas of commercials, news, public service announcements, documentaries, promotional and dramatic announcements and full programs. The students will develop the ability to understand what constitutes a radio or television script and how to produce same. This course is offered every Spring semester.

CSU, Associate Degree Applicable

RUS: RUSSIAN**RUS 1A ELEMENTARY RUSSIAN
(CAN RUSS SEQ A: RUS 1 AB + RUS 2AB)**

3 Units
Lecture: 3 hours
Laboratory: 1 hour

This course presents the fundamentals of Russian. Fluency in understanding, speaking, reading, and writing within the context of the Russian society, history, and culture is emphasized.

CSU, UC, Associate Degree Applicable

**RUS 1B ELEMENTARY RUSSIAN
(CAN RUSS SEQ A: RUS 1 AB + RUS 2AB)**

3 Units
Lecture: 3 hours
Laboratory: 1 hour

This course continues the development of the skills and essentials of the Russian language begun in RUS 1A. Fluency in understanding, speaking, reading, and writing within the context of the Russian society, history, and culture is emphasized.

Prerequisite: RUS 1A or equivalent
CSU, UC, Associate Degree Applicable

**RUS 2A ELEMENTARY RUSSIAN
(CAN RUSS SEQ A: RUS 1 AB + RUS 2AB)**

3 Units
Lecture: 3 hours
Laboratory: 1 hour

This course continues the development of the skills and essentials of the Russian language begun in RUS 1B. Fluency in understanding, speaking, reading, and writing within the context of the Russian society, history, and culture is emphasized.

Prerequisite: RUS 1B or equivalent
CSU, UC, Associate Degree Applicable

**RUS 2B ELEMENTARY RUSSIAN
(CAN RUSS SEQ A: RUS 1 AB + RUS 2AB)**

3 Units
Lecture: 3 hours
Laboratory: 1 hour

This course continues the development of the skills and essentials of the Russian language begun in RUS 2A. Fluency in understanding, speaking, reading, and writing within the context of the Russian society, history, and culture is emphasized.

Prerequisite: RUS 2A or equivalent
CSU, UC, Associate Degree Applicable

SOC: SOCIOLOGY**SOC 1 INTRODUCTORY SOCIOLOGY
(CAN SOC 2)**

3 Units

Lecture: 3 hours

This course is a survey of the characteristics of social life, the processes of social interaction, and the tools of sociological investigation.

Prerequisite: ENG 50

CSU, UC, Associate Degree Applicable

**SOC 2 SOCIOLOGICAL ANALYSIS
SOCIAL PROBLEMS
(CAN SOC 4)**

3 Units

Lecture: 3 hours

An application of sociological principles and concepts in an analysis of the family, religion, education, minorities, crime and delinquency, urban society, industry, and politics. Special attention will be given to the interpretation of relevant quantitative data.

Prerequisite: SOC 1

CSU, UC, Associate Degree Applicable

SOC 3 FUNDAMENTALS OF STATISTICS

3 Units

Lecture: 3 hours

This course is a study of the fundamental concepts and techniques of statistical analysis which are encountered in all areas of application. Emphasis is placed upon precise mathematical reasoning coupled with a thorough understanding of the rationale underlying the statistical methods employed. It encompasses both descriptive and inferential concepts and techniques, including the mathematical principles of probability theory and their application to parameter estimation and hypothesis testing. Published reports representative of the many ways in which statistical methods/data are employed in support of specific conclusions are examined with respect to both the appropriateness of their use and interpretation.

Prerequisite: ENG 51, MATH 40

CSU, UC, Associate Degree Applicable

**SOC 4 SOCIOLOGICAL ANALYSIS AND
CRITICAL THINKING**

3 Units

Lecture: 3 hours

This course provides instruction in the principles of critical analysis and the composition of reasoned, written

responses to a variety of social issues. These include issues falling within the scope of sociology, anthropology, economics, education, politics, criminology, biology and the physical sciences. Both deductive and inductive forms of reasoning are studied, including common formal and informal fallacies.

Prerequisite: ENG 1A or ENG 3A and MATH 50

CSU, UC, Associate Degree Applicable

**SOC 10 MARRIAGE AND FAMILY: A
SOCIOLOGICAL APPROACH**

3 Units

Lecture: 3 hours

This course is designed to develop the student's repertoire of behavioral skills and an understanding of the principles governing successful marriage and family life. Included are areas such as communication, decision-making, human sexuality, divorce and the single parent, alternative family life styles and coping with stress.

Prerequisite: SOC 1

CSU, Associate Degree Applicable

**SOC 14 MINORITY GROUPS IN THE
AMERICAS**

3 Units

Lecture: 3 hours

This is a comparative study of Native American, Asian, African, and European groups in the Americas as approached from the perspectives of sociology with particular focus on minority group status in contemporary society.

Prerequisite: SOC 1

CSU, UC, Associate Degree Applicable

SP: SPEECH**SP 1 INTRODUCTION TO HUMAN
COMMUNICATION**

3 Units

Lecture: 3 hours

The course enables students to understand and improve the interpersonal communication skills through which human beings satisfy both their individual and social needs and objectives. Attention is focused on enhancing self-concept, developing empathy to resolve interpersonal conflict, exploring emotions, recognizing the limits of human perception, and improving listening skills and nonverbal communication (body language, appearance, touching, use of space and time).

Prerequisite: ENG 51

CSU, Associate Degree Applicable

SP 2 ORAL INTERPRETATION OF LITERATURE

3 Units
Lecture: 3 hours

This course encourages student growth in the comprehension, analysis, and evaluation of all major forms of literature; prose, poetry, and drama. The study of literary genres, styles of composition, techniques of characterization, approaches to literary criticism, performance skills, and editing techniques are discussed. The student is provided with an opportunity to synthesize classroom material through vocal performance before a classroom audience. Because of its holistic approach, the course is of benefit to students desiring skills in reading, writing, editing, performance and criticism.

CSU, UC, Associate Degree Applicable

SP 4 PUBLIC SPEAKING (CAN SPCH 4)

3 Units
Lecture: 3 hours

This course includes study and practice of the basic techniques of successful public speaking. Emphasis is given to development of an effective personal style of communication with an audience. Informative, expository, persuasive and impromptu forms of speaking are covered. No previous experience is assumed.

CSU, UC, Associate Degree Applicable

SP 5 GROUP DISCUSSION PROCESS

3 Units
Lecture: 3 hours

This course includes examination and practice of the basic principles of group interaction and communication. Focus is given to the process, methodology, problem solving, decision making, power, physical environment, conformity, conflict, group change and growth.

CSU, UC, Associate Degree Applicable

SP 7 DECISION MAKING/ADVOCACY

3 Units
Lecture: 3 hours

This course studies the process of decision making as it relates to attitudes, values, beliefs and cultural myths. It covers basic argumentation, persuasion and the effective use of evidence. Students learn advocacy skills both through practice and analysis of media, propaganda and current and historical political speech.

CSU, UC, Associate Degree Applicable

SP 12A,B TEACHING OF PUBLIC COMMUNICATION SKILLS

3 Units
Lecture: 1.5 hours
Laboratory: 4.5 hours

This course is designed to permit students with high levels of interest and proficiency in public speaking to study both public communication and the teaching of public communication skills. This will be primarily accomplished by students serving as facilitators for a public speaking class. There is intensive work in the critiquing of speeches, group interaction, and preparation of classroom speaking assignments.

Prerequisite: SP 4 or equivalent
CSU, Associate Degree Applicable

SP 15 INTERCULTURAL COMMUNICATION

3 Units
Lecture: 3 hours

This course focuses on the communication behaviors and values common to all cultures and on the differences that insulate and divide people of one culture from others. The study leads to a better understanding of domestic traditions, an increased appreciation of the behaviors of others, and an awareness of more effective methods of communication.

Prerequisite: ENG 1A
CSU, UC, Associate Degree Applicable

SP 55A-D PRINCIPLES OF STUDENT LEADERSHIP

2 Units
Lecture: 2 hours

Students will study parliamentary procedures, organizational structure and governance models. They will have opportunities to develop leadership skills, including communication, facilitation, problem solving and conflict resolution through small group communication. Also listed as STDV 55A-D and PS 55A-D.

Prerequisite: ENG 50
CSU, Associate Degree Applicable

SPAN: SPANISH

SPAN 1 ELEMENTARY SPANISH
(CAN SPAN SEQ A: SPAN 1 or 1AB
+ SPAN 2 or 2AB)

5 Units
Lecture: 5 hours
Laboratory: 1 hour

This course presents the fundamentals of Spanish. Fluency in understanding, speaking, reading, and writing within the context of the Spanish society, history, and culture is emphasized.

CSU, UC, Associate Degree Applicable

SPAN 1A ELEMENTARY SPANISH
(CAN SPAN SEQ A: SPAN 1 or 1AB
+ SPAN 2 or 2AB)

3 Units
Lecture: 3 hours
Laboratory: 1 hour

This course presents the fundamentals of Spanish. Fluency in understanding, speaking, reading, and writing within the context of Hispanic society, history, and culture is emphasized. Completion of SPAN 1A and SPAN 1B is equivalent to SPAN 1.

CSU, UC, Associate Degree Applicable

SPAN 1B ELEMENTARY SPANISH
(CAN SPAN SEQ A: SPAN 1 or 1AB
+ SPAN 2 or 2AB)

3 Units
Lecture: 3 hours
Laboratory: 1 hour

This course presents the fundamentals of Spanish. Fluency in understanding, speaking, reading, and writing within the context of Hispanic society, history, and culture is emphasized. Completion of SPAN 1A and SPAN 1B is equivalent to SPAN 1.

Prerequisite: SPAN 1A or equivalent
CSU, UC, Associate Degree Applicable

SPAN 2 ELEMENTARY SPANISH
(CAN SPAN SEQ A: SPAN 1 or 1AB
+ SPAN 2 or 2AB)

5 Units
Lecture: 5 hours
Laboratory: 1 hour

This course continues the development of the skills and essentials of the Spanish language begun in SPAN 1 or SPAN 1B. Fluency in understanding, speaking, reading, and writing within the context of the Spanish society,

history, and culture is emphasized.

Prerequisite: SPAN 1 or SPAN 1B or equivalent
CSU, UC, Associate Degree Applicable

SPAN 2A ELEMENTARY SPANISH
(CAN SPAN SEQ A: SPAN 1 or 1AB
+ SPAN 2 or 2AB)

3 Units
Lecture: 3 hours
Laboratory: 1 hour

This course continues the development of the skills and essentials of the Spanish language begun in SPAN 1 or SPAN 1B. Fluency in understanding, speaking, reading, and writing within the context of the Spanish society, history, and culture is emphasized. Completion of SPAN 2A and 2B is equivalent to SPAN 2.

Prerequisite: SPAN 1 or SPAN 1B or equivalent
CSU, UC, Associate Degree Applicable

SPAN 2B ELEMENTARY SPANISH
(CAN SPAN SEQ A: SPAN 1 or 1AB
+ SPAN 2 or 2AB)

3 Units
Lecture: 3 hours
Laboratory: 1 hour

This course continues the development of the skills and essentials of the Spanish language begun in SPAN 2A. Fluency in understanding, speaking, reading, and writing within the context of the Spanish society, history, and culture is emphasized.

Prerequisite: SPAN 2A or equivalent
CSU, UC, Associate Degree Applicable

SPAN 3 INTERMEDIATE SPANISH
(CAN SPAN SEQ B: SPAN 3 + SPAN 4)

4 Units
Lecture: 4 hours
Laboratory: 1 hour

This course strengthens the students' communication skills in the spoken and written language. Emphasis is on the customs and culture of the Hispanic world. Hispanic literature is introduced.

Prerequisite: SPAN 2 or SPAN 2B or equivalent
CSU, UC, Associate Degree Applicable

SPAN 4 INTERMEDIATE SPANISH
(CAN SPAN SEQ B: SPAN 3 + SPAN 4)

4 Units
Lecture: 4 hours
Laboratory: 1 hour

This course expands the students' ability to communicate in Spanish. Emphasis is on the discussion of socio-

cultural selections and literature of the Hispanic-speaking world.

Prerequisite: SPAN 3 or equivalent
CSU, UC, Associate Degree Applicable

SPAN 5 ADVANCED SPANISH

3 Units
Lecture: 3 hours

SPAN 5 is primarily designed for students of advanced Spanish proficiency and pre-Spanish majors as a transition toward upper division college work. Extensive readings in Spanish literature and culture are stressed with emphasis placed on composition and conversation, requiring intensive use of the Spanish language for enrichment of oral and writing abilities.

Prerequisites: SPAN 4 or equivalent
CSU, UC, Associate Degree Applicable

SPAN 6 ADVANCED SPANISH

3 Units
Lecture: 3 hours

This course is essentially the same as Spanish 5 with emphasis on Spanish-American literature and culture.

Prerequisite: SPAN 5 or equivalent
CSU, UC, Associate Degree Applicable

SPAN 8A-D SPANISH CONVERSATION

3 Units
Lecture: 3 hours

This series of courses emphasizes contextual vocabulary building, and practical conversation topics, current events and cultural materials. Students may choose the credit/no-credit grading option.

Prerequisite: SPAN 2 or three years high school Spanish or equivalent; courses need not be taken in sequence
CSU, UC, Associate Degree Applicable

SPAN 10 SPANISH FOR THE BILINGUAL STUDENT

3 Units
Lecture: 3 hours

This course covers spelling, punctuation, the written accent, correct usage of verb tenses, proper sentence structure, and diction. Oral and written compositions will be part of the course. It aims to distinguish anglicisms and archaic expressions from standard language. It is designed for the Spanish speaker born in the U.S. who has never had formal instruction in Spanish.

CSU, UC, Associate Degree Applicable

SPAN 11 SPANISH FOR THE BILINGUAL STUDENT

3 Units
Lecture: 3 hours

This course is a continuation of Spanish 10. It is designed to improve the communicative skills in Spanish for the bilingual student both orally and in writing and to enhance her/his style of expression. It will include a practical application of all the verb tenses. Written compositions and oral presentations will be the main activities of the course.

Prerequisite: SPAN 10 or equivalent
CSU, UC, Associate Degree Applicable

SPAN 40A,B SPANISH CIVILIZATION

3 Units
Lecture: 3 hours

This series of courses offers an introduction to the major currents and characteristics of Spanish culture as expressed through the centuries in literature, art, philosophy, music, and science. The courses are conducted in English and need not be taken in sequence.

Prerequisite: ENG 51
CSU, UC, Associate Degree Applicable

STDV: STUDENT DEVELOPMENT

STDV 49 CAREER DEVELOPMENT

½ Unit
Lecture: .5 hour

This course assists students in the process of career decision making. The focus on self assessment and career information provides students with an on-going system for implementation of career goals.

STDV 50 SKILL DEVELOPMENT & EDUCATIONAL DECISION MAKING

1/5 Unit
Lecture: .2 hour

This course provides students with information on and understanding of their abilities and skill development, enabling them to make insightful decisions.

STDV 51A COLLEGE SURVIVAL SKILLS

2 Units
Lecture: 2 hours

This course helps students develop effective techniques for advising their peers to gain accurate and more extensive knowledge of the opportunities available to COD students. Students learn college survival skills in addition to referral resources. Students also learn skills to serve as peer advisors.

STDV 52 RE-ENTRY ORIENTATION

2 Units
Lecture: 2 hours

This course assists the re-entry students in developing positive attitudes towards personal growth. Students also learn to make a successful transition to the community college.

STDV 53 STRATEGIES FOR COLLEGE TRANSFER

1 Unit
Lecture: 1 hour

This course provides students with a concrete plan for understanding and succeeding in transferring to a four-year college or university. Topics include the following: identifying long-term educational and career goals, selecting a transfer institution and completing applications for transfer admission.

Prerequisite: ENG 50

STDV 54 HUMAN POTENTIAL SEMINAR

1 Unit
Lecture: 1 hour

This course assists students in improving self-esteem. Students learn specific techniques to overcome self-defeating behaviors. Topics include becoming more self-affirmation, self motivation, self determination and learning to be empathetic.

STDV 55A-D PRINCIPLES OF STUDENT LEADERSHIP

2 Units
Lecture: 2 hours

Students will study parliamentary procedures, organizational structure and governance models. They will have opportunities to develop leadership skills, including communication, facilitation, problem solving and conflict resolution through small group communication. This course is also listed as PS 55A-D and SP 55A-D.

Prerequisite: ENG 50
CSU, Associate Degree Applicable

STDV 60 COLLEGE SUCCESS SKILLS

1 Unit
Lecture: 1 hour

This course introduces first-time college students to the information and skills necessary for success in college. Course topics include an overview of higher education, college enrollment procedures and policies, student support services, study skills and an introduction to

transfer and career development. Students develop realistic educational plans consistent with their educational goals.

STDV 60A ORIENTATION TO COLLEGE

½ Unit
Lecture: .5 hour

This is a course to assist the first-time college student. It includes college enrollment procedures, development of basic educational survival skills, help in interpretation of College of the Desert Assessment Test, and help in formulating a realistic long-range educational plan.

STDV 65 FOUNDATIONS OF COLLEGE SUCCESS

3 Units
Lecture: 3 hours

This course provides in-depth exploration of information and skills necessary for success in college. Course topics include self assessment and goal setting, study skills in math, reading and writing, time management and financial planning. Students develop realistic educational plans consistent with their educational goals.

TA: THEATRE ARTS

TA 1 INTRODUCTION TO THEATRE

3 Units
Lecture: 3 hours

This course is designed as a general survey of the theory and practice of theatre art from the beginning to the present time. The study includes the elements of drama; historic structures of the theatre; characteristic types of plays; the contribution of the director, actors, designers; contemporary production techniques.

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

TA 2A,B ACTING I

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course provides a progression of skill levels by which actors develop awareness of their senses, relationship to the world around them, and responsibilities to the art form. Preliminary exercises begin with examination of the individual's values and feelings and progresses to the translating of these values into characterization.

CSU, UC, Associate Degree Applicable

TA 3A,B ACTING II

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course develops actor's artistic skills in character study, script breakdown and styles. Styles to be analyzed and executed include realistic, naturalistic, Shakespearian, Chekhovian, Brechtian, romantic, poetic, and restoration.

Prerequisite: TA 2A,B or by audition

CSU, UC, Associate Degree Applicable

TA 8A,B THEATRE GRAPHICS

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course is an exploration of the various visual methods used by scenic costume and lighting designers to communicate their design visions to craftspeople and technicians. Subjects covered will include basic theater concepts, perspective sketching, drafting and color theory through both lectures and laboratory projects.

CSU, UC, Associate Degree Applicable

TA 9A STAGECRAFT I

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course offers the student an introduction to the art of stage scenery and theatrical properties. The class deals with the techniques of construction and organizational process, the group dynamic and the understanding of good stage scenery and/or theatrical property. Students are required to apply the skills they learn in actual college productions.

CSU, UC, Associate Degree Applicable

TA 10A STAGECRAFT II

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course offers the student an introduction to the art of stage scenery and theatrical properties. The class deals with the techniques of construction and organizational process, the group dynamic, and the understanding of good stage scenery and/or theatrical property. Students are required to apply the skills they learn in actual college productions.

CSU, UC, Associate Degree Applicable

TA 20A-D PLAY PRODUCTION - ACTING

1 Unit

Laboratory: 3 hours

This course involves participation in a specific area of acting in a faculty directed stage production. The style and artistic discipline will vary drastically with each production. It is designed to give the student practical application of acting skills and actual performance experience.

CSU, UC, Associate Degree Applicable

TA 21A-D PLAY PRODUCTION - ACTING

2 Units

Laboratory: 6 hours

This course involves participation in a specific area of acting in a faculty directed stage production. The style and artistic discipline will vary drastically with each production. It gives the student practical application of acting skills and actual performance experience.

CSU, UC, Associate Degree Applicable

TA 22A-D PLAY PRODUCTION - ACTING

3 Units

Laboratory: 9 hours

This course involves participation in a specific area of acting in a faculty directed stage production. The style and artistic discipline will vary drastically with each production. It gives the student practical application of acting skills and actual performance experience.

CSU, UC, Associate Degree Applicable.

TA 24A-D PLAY PRODUCTION - DANCE

1 Unit

Laboratory: 3 hours

This course includes practical training in Jazz, Ballet and Modern Dance for stage performance, as well as basic theory and application of various choreographic techniques. It also includes an arranged laboratory involving participation in theatre-dance productions.

CSU, UC, Associate Degree Applicable

TA 25A-D PLAY PRODUCTION - DANCE

2 Units

Laboratory: 6 hours

This course includes practical training in Jazz, Ballet and Modern Dance for stage performance, as well as basic theory and application of various choreographic techniques. It also includes an arranged laboratory involving participation in theatre-dance productions.

CSU, UC, Associate Degree Applicable

TA 26A-D PLAY PRODUCTION - DANCE

3 Units

Laboratory: 9 hours

This course includes practical training in Jazz, Ballet and Modern Dance for stage performance, as well as basic theory and application of various choreographic techniques. It also includes an arranged laboratory involving participation in theatre-dance productions.

CSU, UC, Associate Degree Applicable

TA 30A-D PLAY PRODUCTION - TECHNICAL

1 Unit

Laboratory: 3 hours

This course permits progressive participation and instruction in technical play production. Students will have hands-on experience in execution of technical roles for actual productions, such as sets, props, or scene painting, as well as instruction in the various tools, skills, and techniques used in contemporary theatre. This course may be repeated to accumulate not more than four units.

CSU, UC, Associate Degree Applicable

TA 31A-D PLAY PRODUCTION - TECHNICAL

2 Units

Laboratory: 6 hours

This course permits progressive participation and instruction in technical play production. Students will have hands-on experience in execution of technical roles for actual productions, such as sets, props, or scene painting, as well as instruction in the various tools, skills, and techniques used in contemporary theatre. This course may be repeated to accumulate not more than four units.

CSU, UC, Associate Degree Applicable

TA 32A-D PLAY PRODUCTION - TECHNICAL

3 Units

Laboratory: 9 hours

This course permits progressive participation and instruction in technical play production. Students will have hands-on experience in execution of technical roles for actual productions, such as sets, props, or scene painting, as well as instruction in the various tools, skills, and techniques used in contemporary theatre. This course may be repeated to accumulate not more than four units.

CSU, UC, Associate Degree Applicable

TA 42A-D THEATRE COSTUMING

3 Units

Laboratory: 9 hours

This course is structured to teach the principles of design and construction of theatrical costume. Requirements

include the construction of costumes for specific theatre productions.

CSU, UC, Associate Degree Applicable

TA 50A-D THEATRE DANCE

1 Unit

Laboratory: 3 hours

This course is designed to expose the student to the methods and execution of dance as it applies directly to a fully mounted musical production. It includes exposure to acting areas, as the director of the actual production sees fit; and both technical and dancing areas, as instructed by the choreographer. Emphasis is on rehearsal techniques and "polishing" production dance numbers.

Prerequisite: Audition is required to determine if student is eligible for enrollment

CSU, UC, Associate Degree Applicable

TA 51A-D THEATRE DANCE

2 Units

Laboratory: 6 hours

This course is designed to expose the student to the methods and execution of dance as it applies directly to a fully mounted musical production. It includes exposure to acting areas, as the director of the actual production sees fit; and both technical and dancing areas, as instructed by the choreographer. Emphasis is on rehearsal techniques and "polishing" production dance numbers.

Prerequisite: Audition is required to determine if student is eligible for enrollment

CSU, UC, Associate Degree Applicable

TA 60A SCENE DESIGN I

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course is designed to introduce the principles of scenic design and training in basic graphics skills. Experimentation with personal style and creativity will be emphasized. Use of recent technology for scene construction is also examined.

Prerequisite: TA 9A or instructor's consent

CSU, UC, Associate Degree Applicable

TA 61A SCENE DESIGN II

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course is designed to introduce the principles of scenic design and training in basic graphics skills. Experimentation with personal style and creativity will

be emphasized. Use of recent technology for scene construction is also examined.

Prerequisites: TA 9A or instructor's consent
CSU, UC, Associate Degree Applicable

TA 62A THEATRE LIGHTING I

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course introduces students to the principles, theories, and practices of stage-lighting design. Course work includes arranged laboratory involving practical application of theory into mainstage and workshop theatre productions.

Prerequisites: Consent of instructor
CSU, UC, Associate Degree Applicable

TA 63A THEATRE LIGHTING II

3 Units
Laboratory: 9 hours

This course provides the student with advanced study of theory and applications of stage-lighting design. Course work includes arranged laboratory involving a design project. Under faculty supervision the student will conceive, develop, and execute a light design for a college-sponsored production.

Prerequisite: TA 62A or equivalent
CSU, UC, Associate Degree Applicable

TA 69A,B DRAMATIC LITERATURE

3 Units
Lecture: 3 hours

This course is a study of the masterworks of theatre, from the Greek Classic period to the present. Students will develop skills in the reading and analysis of drama, projecting the imagination, and oral delivery of lines.

Prerequisite: ENG 50
CSU, UC, Associate Degree Applicable

TA 70A,B THEATRE SOUND

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course is designed as an overview of the basic principles of sound design and use of sound equipment. Students will be involved with the practical application of sound theory for theatre productions.

Prerequisites: TA 9A or instructor's consent
CSU, UC, Associate Degree Applicable

TA 71A,B SCENE PAINTING

1 Unit
Laboratory: 3 hours

This course is designed to introduce the student to both the theories and applications of scene painting. Scene painting is the craft which supplies the final application of paint and detailed design concept to a theatrical set. It includes individual student projects as well as participation in college-sponsored theatre productions. This course examines painting techniques and color relationships.

Prerequisite: TA 9A or instructor's consent
CSU, UC, Associate Degree Applicable

TA 72A,B SCENE PAINTING

2 Units
Laboratory: 6 hours

This course is designed to introduce the student to both the theories and applications of scene painting. Scene painting is the craft which supplies the final application of paint and detailed design concept to a theatrical set. It includes individual student projects as well as participation in college-sponsored theatre productions. This course examines painting techniques and color relationships.

Prerequisite: TA 9A or instructor's consent
CSU, UC, Associate Degree Applicable

TA 80A THEATRE MAKE-UP

3 Units
Lecture: 2 hours
Laboratory: 3 hours

This course teaches the basic principles and components of theatrical make-up and executes the learned skills in a laboratory atmosphere utilizing current and correct sanitation rules and regulations. Students explore a variety of different technical applications. Students learn facial anatomy and its relationship to make-up color terminology, the relationship of color and how to establish and create a "morgue." Other topics include pre- and post-production responsibilities of a make-up designer/artist and the different types of theatres and their relationship to the art of make-up.

CSU, UC, Associate Degree Applicable

TA 80B THEATRE MAKE-UP

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course continues intermediate principles and components of theatrical make-up including techniques of eliminating cross contamination in accordance with state rules and regulations. Students are introduced to basic special effects including the process of building and creating basic appliances. The principles of chiaroscuro relating to character analysis, lighting, color gel, and plots are researched. Photo/video portfolios are created. High fashion photographic make-up, techniques for print/editorial, and avant-garde make-up techniques are introduced.

Prerequisite: TA 80A

CSU, UC, Associate Degree Applicable

TA 80C THEATRE MAKE-UP

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course continues advanced principles and components of theatrical make-up with an emphasis on specific effects using latex and gelatin. Students are introduced to 3-dimensional make-up both handpainted and appliance make-up and develop appropriate color palettes relating to the color wheel, research color theory of skin tone, character analysis and individual palette, and learn the correct applications. Students develop appropriate skills in aging using latex and gelatin or advanced skills in beard and mustache hair work. Blood tubing and rigging effects are introduced.

Prerequisite: TA 80B

CSU, UC, Associate Degree Applicable

TA 80D THEATRE MAKE-UP

3 Units

Lecture: 2 hours

Laboratory: 3 hours

This course specializes in face and body casting, masks, sculpting small and large appliances and the complete prosthetic process. Students develop individual portfolios as well as research the new fields of camouflage, paramedical make-up, and diversified ethnic make-up.

Prerequisite: TA 80C

CSU, UC, Associate Degree Applicable

TA 81A-D CHILDREN'S THEATRE

1 Unit

Laboratory: 3 hours

This course is designed to introduce students to the academic and practical techniques involved in performing for young people. All students in the course will be required to participate in some way in the production: lighting, costumes, sets, sound, or acting.

CSU, Associate Degree Applicable

TA 82A-D CHILDREN'S THEATRE

2 Units

Laboratory: 6 hours

This course is designed to introduce students to the academic and practical techniques involved in performing for young people. All students in the course will be required to participate in some way in the production: lighting, costumes, sets, sound, or acting.

CSU, Associate Degree Applicable

TA 90A-D MUSICAL THEATRE WORKSHOP

1 Unit

Laboratory: 3 hours

This course serves to introduce the staging styles of contemporary music and Broadway musicals. Students will be exposed to the complete creative concept through execution in all three areas of musical theatre; acting, choreography, and music. Individual coaching is also provided in dance, singing, and acting.

CSU, UC, Associate Degree Applicable

TA 91A-D MUSICAL THEATRE WORKSHOP

2 Units

Laboratory: 6 hours

This course serves to introduce the staging styles of contemporary music and Broadway musicals. Students will be exposed to the complete creative concept through execution in all three areas of musical theatre; acting, choreography, and music. Individual coaching is also provided in dance, singing, and acting.

CSU, UC, Associate Degree Applicable

TA 92A-D MUSICAL THEATRE WORKSHOP

3 Units

Laboratory: 9 hours

This course serves to introduce the staging styles of contemporary music and Broadway musicals. Students will be exposed to the complete creative concept through execution in all three areas of musical theatre; acting, choreography, and music. Individual coaching is also provided in dance, singing, and acting.

CSU, UC, Associate Degree Applicable

TA 94A-D ADVANCED MUSICAL THEATRE

1 Unit

Laboratory: 3 hours

This course provides the student with advanced development and refinement of the theatrical techniques of Musical Theatre including; singing, dancing and acting. Stage presence and performance techniques are stressed. It includes participation in Musical Theatre productions.

Prerequisite: TA 91 or instructor's consent

CSU, UC, Associate Degree Applicable

TA 95A-D ADVANCED MUSICAL THEATRE

2 Units

Laboratory: 6 hours

This course provides the student with advanced development and refinement of the theatrical techniques of Musical Theatre including; singing, dancing and acting. Stage presence and performance techniques are stressed. It includes participation in Musical Theatre productions.

Prerequisite: TA 91 or instructor's consent

CSU, UC, Associate Degree Applicable

TA 96A-D ADVANCED MUSICAL THEATRE

3 Units

Laboratory: 9 hours

This course provides the student with advanced development and refinement of the theatrical techniques of Musical Theatre including; singing, dancing and acting. Stage presence and performance techniques are stressed. It includes participation in Musical Theatre productions.

Prerequisite: TA 91 or instructor's consent

CSU, UC, Associate Degree Applicable

VN: VOCATIONAL NURSING**VN 1 VOCATIONAL NURSING I**

5 Units

Lecture: 5 hours

This course introduces concepts related to the role of the vocational nurse, basic legal and ethical considerations, and communication and confidentiality. Using a nursing process format, the basic skills that maintain optimum wellness are presented. A foundation in normal growth and development and nutrition are included with an emphasis on the special needs and health care concerns of the geriatric client. Students are introduced to alterations in the integumentary system.

Prerequisite: ENG 51, HS 62, Admission to the program

Corequisite: VN 1L and HS 65, if HS 65 not previously completed

Associate Degree Applicable

VN 1L VOCATIONAL NURSING I LAB

4 Units

Laboratory: 12 hours

This course provides an opportunity for the practice and application of skills needed to meet the geriatric clients' basic needs and the maintenance of optimum wellness. Students care for clients with common alterations in the function of the integumentary system. Learning experiences are provided in the on-campus lab and in the skilled nursing facilities. Emphasis is placed on introduction to the nursing process and client assessment. The grading method is Credit/No Credit.

Prerequisite: HS 62, Admission to the program

Corequisite: VN 1 and HS 65, if HS 65 not previously completed

Associate Degree Applicable

VN 2 VOCATIONAL NURSING II

9 Units

Lecture: 9 hours

Building on the concepts presented in VN 1, this course discusses content related to alteration in function of the musculoskeletal, respiratory, cardiac, peripheral-vascular, endocrine, upper and lower gastrointestinal, urinary, reproductive, and sensory/neurological systems, including cerebral vascular alterations. Students are also presented information related to the client with alterations in function related to surgery.

Prerequisite: HS 65, VN 1 and VN 1L

Corequisite: VN 2L and PSY 1, if PSY 1 not previously completed

Associate Degree Applicable

VN 2L VOCATIONAL NURSING II LAB

7 Units

Laboratory: 21 hours

This course provides opportunity to care for clients with alterations in the function of the musculoskeletal, respiratory, cardiac, peripheral-vascular, endocrine, upper and lower gastrointestinal, urinary, reproductive, and sensory/neurological systems, including cerebral vascular alterations. Students also care for clients with alterations in function related to surgery. Emphasis is placed on the nursing process and on client assessment. The grading method is Credit/No Credit.

*Prerequisite: HS 65, VN 1 and VN 1L**Corequisite: VN 2 and PSY 1, if PSY 1 not previously completed*

Associate Degree Applicable

VN 3 VOCATIONAL NURSING III

9 Units

Lecture: 9 hours

A continuation of VN I and II, this course introduces concepts of leadership and management in vocational nursing. Students learn the care of clients maintaining health during child bearing, care of the hospitalized child, and care required by clients with alteration in the function of the immunological system and those experiencing abnormal cell growth. Acute alterations of all systems are reviewed with emphasis on the pediatric client.

*Prerequisite: PSY 1, VN 2 and VN 2L**Corequisite: VN 3L*

Associate Degree Applicable

VN 3L VOCATIONAL NURSING III LAB

7 Units

Laboratory: 21 hours

This course provides opportunity to practice basic skills in leadership and management and to care for clients maintaining health during child bearing. Students also care for the hospitalized child and clients with alteration of function of the immunological system, those experiencing abnormal cell growth, and clients of all ages with acute alterations of all systems. The grading method is Credit/No Credit.

*Prerequisite: PSY 1, VN 2 and VN 2L**Corequisite: VN 3*

Associate Degree Applicable

VSM: VARSITY SPORTS-MEN**VSM 11 VARSITY BASEBALL - MEN**

3 Units

10 hours plus games

This course is intercollegiate competition for Performance Oriented students who demonstrate a high degree of skill and interest. It may be repeated once.

Prerequisite: Successful tryout

CSU, UC, Associate Degree Applicable

VSM 14 VARSITY BASKETBALL - MEN

1½ Units

5 hours plus games

This course is intercollegiate competition for Performance Oriented students who demonstrate a high degree of skill and interest. It may be taken for a total of four times.

Prerequisite: Successful tryout

CSU, UC, Associate Degree Applicable

VSM 22 VARSITY CROSS COUNTRY - MEN

3 Units

10 hours plus meets

This course is intercollegiate competition for Performance Oriented students who demonstrate a high degree of skill and interest. It may be repeated once.

Prerequisite: Successful tryout

CSU, UC, Associate Degree Applicable

VSM 33 VARSITY FOOTBALL - MEN

3 Units

10 hours plus games

This course is intercollegiate competition for Performance Oriented students who demonstrate a high degree of skill and interest. It may be repeated once.

Prerequisite: Successful tryout

CSU, UC, Associate Degree Applicable

VSM 40 VARSITY GOLF - MEN

3 Units

10 hours plus matches

This course is intercollegiate competition for Performance Oriented students who demonstrate a high degree of skill and interest. It may be repeated once.

Prerequisite: Successful tryout

CSU, UC, Associate Degree Applicable

VSM 53 VARSITY SOCCER - MEN

3 Units
10 hours plus games

This course is intercollegiate competition for Performance Oriented students who demonstrate a high degree of skill and interest. It may be repeated once.

Prerequisite: Successful tryout
CSU, UC, Associate Degree Applicable

VSM 64 VARSITY TENNIS - MEN

3 Units
10 hours plus matches

This course is intercollegiate competition for Performance Oriented students who demonstrate a high degree of skill and interest. It may be repeated once.

Prerequisite: Successful tryout
CSU, UC, Associate Degree Applicable

VSW: VARSITY SPORTS-WOMEN

VSW 15 VARSITY BASKETBALL - WOMEN

1½ Units
5 hours plus games

This course is intercollegiate competition for Performance Oriented students who demonstrate a high degree of skill and interest. It may be taken for a total of four times.

Prerequisite: Successful tryout
CSU, UC, Associate Degree Applicable

VSW 23 VARSITY CROSS COUNTRY - WOMEN

3 Units
10 hours plus meets

This course is intercollegiate competition for Performance Oriented students who demonstrate a high degree of skill and interest. It may be repeated once.

Prerequisite: Successful tryout
CSU, UC, Associate Degree Applicable

VSW 41 VARSITY GOLF - WOMEN

3 Units
10 hours plus matches

This course is intercollegiate competition for Performance Oriented students who demonstrate a high degree of skill and interest. It may be repeated once.

Prerequisite: Successful tryout
CSU, UC, Associate Degree Applicable

VSW 54 VARSITY SOCCER - WOMEN

3 Units
10 hours plus matches

This course is intercollegiate competition for Performance Oriented students who demonstrate a high degree of skill and interest. It may be repeated once.

Prerequisite: Successful tryout
CSU, Associate Degree Applicable

VSW 57 VARSITY SOFTBALL - WOMEN

3 Units
10 hours plus games

This course is intercollegiate competition for Performance Oriented students who demonstrate a high degree of skill and interest. It may be repeated once.

Prerequisite: Successful tryout
CSU, UC, Associate Degree Applicable

VSW 65 VARSITY TENNIS - WOMEN

3 Units
10 hours plus matches

This course is intercollegiate competition for Performance Oriented students who demonstrate a high degree of skill and interest. It may be repeated once.

Prerequisite: Successful tryout
CSU, UC, Associate Degree Applicable

VSW 74 VARSITY VOLLEYBALL - WOMEN

3 Units
10 hours plus matches

This course is intercollegiate competition for Performance Oriented students who demonstrate a high degree of skill and interest. It may be repeated once.

Prerequisite: Successful tryout
CSU, UC, Associate Degree Applicable

WEG: WORK EXPERIENCE/GENERAL

WEG 94 CAREER DEVELOPMENT PRINCIPLES

1 Unit
Lecture: 1 hour

This course assists students with basic methods of career decision making. Students learn techniques to become productive employees and to explore their career potential through self-assessment and career information.

**WEG 95A-C WORK EXPERIENCE,
GENERAL**

1-3 Units

Lecture: 1-3 hours

This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills so as to enable them to become productive employees. This course also provides students with career awareness for jobs. The course may serve as a preparatory program for later participation in vocational work experience. Credit may be accrued at the rate of one to three units per semester, for a maximum of six units. This type of work experience is available to students whose jobs are not related to their college major.

Corequisite: Must be enrolled in 7 or more units of credit including work experience

WEV: WORK EXPERIENCE/VOCATIONAL**WEV 94 CAREER PLANNING PRINCIPLES**

1 Unit

Lecture: 1 hour

This course assists students with basic strategies for

successful employment. Students explore their career potential through self-assessment and career information. Strategies to enhance students' employment success include job search, completing applications, preparing resumes, and interview techniques.

**WEV 95A-D
WORK EXPERIENCE, VOCATIONAL**

1-4 Units

Lecture: 1-4 hours

This vocational work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills so as to enable them to become productive employees. This course also provides students with career awareness for jobs and may be required as an internship in a vocational program of study. Credit may be accrued at the rate of one to four units per semester for a maximum of six units. This type of work experience is available to students who are either volunteers or employees in vocational fields related to their college majors.

Corequisite: Must be enrolled in 7 or more units of credit including work experience



ANNOUNCEMENT OF FACULTY AND ADMINISTRATION

DAVID ACQUISTAPACE (1999)

Instructor, Digital Design and Production

B.A. 1978, Biola College

M.A. 1995, California State University, Fullerton

M.F.A. 1997, California State University, Fullerton

KIM A. ADOLPH (1999)

Assistant Professor, English Composition,
Copper Mountain

B.A. 1993, California State University,
San Bernardino

EVE-MARIE ANDREWS (1999)

Counselor

A.A. 1989, College of San Mateo, California

B.A. 1991, San Francisco State University

M.S. 1993, San Francisco State University

WENDY E. ANSLEY (1998)

Instructor, Health, Physical Education, Recreation

A.A. 1993, Palomar Community College

B.A. 1995, Adams State College, Colorado

M.A. 1997, San Diego State University, California

ANDREA ARMSTRONG (1993)

Counselor, Copper Mountain

B.S. 1978, California State University, Fullerton

M.S. 1980, California State University, Fullerton

PENNY S. ATCHITY (1999)

Associate Professor, History/Political Science

B.A. 1963, University of Missouri at Kansas City

M.A. 1989, University of Missouri at Kansas City

FRANKLIN YTRO ATTOUN (1967)

Professor of French and Spanish

Division Chair, Communication

B.S. 1966, University of Missouri

M.A. 1967, University of Missouri

JANICE BROWN BARNETT (1990)

Coordinator, Child Development Training and
Resource Center

A.A. 1954, Sierra College, California

B.A. 1958, California State University, Los Angeles

M.A. 1975, University of Redlands

DAN M. BAXLEY (1988)

Dean of Instruction and Chief Instructional
Officer

B.A. 1965, Arizona State University

M.A. 1968, Arizona State University

Ed.D 1972, Arizona State University

ZERRYL BECKER (1999)

Instructor, Computer Information Systems

B.A. 1966, University of Minnesota

MBA 1979, University of Minnesota

ALMA M. BEEUWSAERT (1994)

Director of Counseling and Matriculation

B.S. 1959, Northern State College, South Dakota

M.S. 1965, Northern State College, South Dakota

Ed.D., 1989, University of Arkansas

STEPHEN BENO (1985)

Professor of Culinary Arts

A.O.S. 1971, Culinary Institute of America,
Hyde Park, New York

GARY R. BERGSTROM (1992)

Assistant Professor of Reading

A.A. 1976, Pasadena City College

B.A. 1978, California State University, Los Angeles

M.A. 1991, California State University, Los Angeles

M.A. 1992, California State University, Los Angeles

PAUL D. BOWIE (1970)

Professor of Biology and Botany

B.S. 1966, University of Redlands

M.S. 1970, University of Arizona

MARY A. BOYD (1989)

Associate Professor of Reading

B.S. 1973, Eastern Michigan University

M.A. 1980, Eastern Michigan University

JUDITH BRAE (1988)

Physical Disabilities Counselor

B.A. 1968, San Diego State University

M.S. 1975, San Diego State University

SANDRA R. BRANDON (1990)

Associate Professor, Computer Information Systems

A.A. 1968, San Bernardino Valley College

B.V.E. 1988, California State University,
San Bernardino

M.A. 1989, California State University,
San Bernardino

CATHLEEN M. BRANT (1991)

Assistant Professor of English
Coordinator, Western Valley Center
A.B. 1964, San Francisco State College
M.A. 1970, University of Florida, Gainesville

BRYAN R. BURRAGE (1973)

Professor of Biology, Anatomy and Zoology
A.B. 1956, University of Kansas
M.S. 1966, San Diego State University
Ph.D. 1972, University of Stellenbosch, Cape
Province, Republic of South Africa

DAVID BUTTLES (1997)

Athletic Academic Advisor
B.A. 1988, San Diego State University
M.A. 1996, California State University,
San Bernardino

ROSINA M. CHACON-LOPEZ (1998)

Counselor
A.A. 1991, San Bernardino Valley College,
California
B.A. 1993, California State University, San
Bernardino
M.A. 1998, University of Redlands, California

MICHAEL G. CHLEBIK (1996)

Assistant Professor, Computer Information
Systems, Copper Mountain
B.A. 1975, De Pauw University, Indiana
B.S. 1980, Naval Postgraduate School, California
M.S. 1981, Naval Postgraduate School, California

JUDITH E. COOK (1994)

Associate Professor of Art
B.S. 1978, Southern Connecticut State University
M.F.A. 1987, Arizona State University

LUIS CORONA (1975)

Counselor
A.A. 1959, Riverside City College
A.B. 1962, California State College, Long Beach
M.A. 1964, California State College, Long Beach

JEANNE L. COSBY (1983)

Professor of Mathematics, Science, and Social
Science, Copper Mountain
B.S. 1973, Northern Arizona University
M.A. 1982, University of California, Riverside

TERRY D. CREWSE (1999)

Assistant Professor, Mathematics
B.S. 1987, University of California, Riverside
M.S. 1989, University of California, Riverside

BUFORD CRITES (1976)

Professor of Speech
B.S. 1970, Southwest Missouri State University
M.S. 1971, Illinois State University

JAYNE CUARENTA (1989)

Counselor
B.A. 1981, University of Southern California
M.S. 1986, California State University, Los Angeles

LARRY MARK DaSHIELL (1974)

Professor of Auto Mechanics
A.A. 1966, Laney College, California
B.A. 1974, California State Polytechnic
University, San Luis Obispo
M.A. 1975, California State Polytechnic
University, San Luis Obispo

RITA RAMIREZ DEAN (1973)

Professor of Developmental Education
B.A. 1965, Chapman College, California
M.A. 1971, Chapman College, California

MILFORD CHARLES DECKER (1996)

Associate Professor, Computer Information Systems
A.S. 1979, The University of the State of
New York, Albany
B.S. 1981, The University of the State of
New York, Albany
M.B.A. 1985, Golden Gate University, California

CLAUDIA LUCAS DERUM (1997)

Reference Librarian
A.A. 1968, Riverside City College, California
B.A. 1971, California State University, Fullerton
M.L.S. 1991, San Jose State University, California

DANIEL V. DETI (1962)

Professor of French and Spanish
B.A. 1945, University of Wyoming
M.A. 1951, Middlebury College, Vermont
Diploma, 1954, Ecole Supérieure des
Professeurs de Français l'Étranger,
University of Paris

MARCELINO DIAZ, JR. (1972)

Coordinator, EOPS
Counselor
B.A. 1966, New Mexico Highlands University
M.A. 1969, New Mexico Highlands University
M.A. 1973, New Mexico Highlands University

KAREN DOSTAL (1985)

Associate Professor of Mathematics
B.S. 1983, Pacific Lutheran, Washington
M.S. 1985, California State Polytechnic
University, San Luis Obispo

STEVE E. DOSTAL (1985)

Professor of Mathematics

B.A. 1979, Humboldt State University, California

M.A. 1984, California State University, Los Angeles

PATRICIA A. DUTKIEWICZ (1999)

Instructor, Computer Information Systems,
Copper Mountain

B.S. 1973, Central Connecticut State College

M.S. 1987, University of Southern California

CLAUDIA EBERLY (1973)

Health Service Nurse

B.S.N. 1972, Indiana University, Pennsylvania

M.A. 1976, California State University, Long Beach

SANDI EMERSON (1999)

Acting Division Chair, Health Sciences

Acting Director, ADN, VN, CNA and EMT
Programs

BSN 1970, University of Nevada

MSN 1992, University of Nevada

RON R. EVANS (1971)

Professor of Art

A.A. 1968, College of the Desert

B.A. 1970, San Diego State University

M.A. 1973, San Diego State University

VERA B. FISSETTE (1983)

Professor of Mathematics and Developmental
Education, Copper Mountain

M.A. 1965, College of Economics, Czechoslovakia

B.A. 1973, Chapman University, California

M.A. 1976, Chapman University, California

CHARLES B. FLATT (1964)

Professor of Sociology and Philosophy

B.A. 1958, Pasadena College, California

M.A. 1959, University of Idaho

PAULETTE GAGE-MOSHER (1992)

Associate Professor of Psychology
Copper Mountain

A.A. 1983, Chaffey Community College

B.A. 1986, California State University,
San Bernardino

M.A. 1988, California State University,
San Bernardino

JOSEPHINE GUERENA GALLEGOS (1967)

Director, Vocational Education

B.S. 1961, Arizona State College

M.A. 1966, Northern Arizona University

DAVID A. GEORGE (1986)

Professor

B.A. 1964, Arizona State University, Tempe

M.P.A. 1969, Syracuse University, New York

Ed.D. 1977, University of Massachusetts, Amherst

DEEANN GERKEN (1992)

Associate Professor of Nursing

B.A. 1968, John Carroll University, Ohio

B.S.N. 1982, Michigan State University

M.S.N. 1989, Azusa Pacific University, California

GREGORY W. GILBERT (1995)

Associate Professor of Composition,

Copper Mountain

B.A. 1982, California State University,

San Bernardino

M.A. 1989, California State University,

San Bernardino

L. THOMAS GILLMAN (1989)

Associate Professor of Computer Sciences

Coordinator, Virtual Valley Center

A.B. 1966, Duke University, North Carolina

M.B.A. 1968, Stanford University, California

ADRIAN GONZALES (1998)

Coordinator, Trio Programs

B.A. 1994, University of California, Los Angeles

M.P.A. 1996, University of Washington

LAURA D. GRAFF (1996)

Assistant Professor, Mathematics

B.S. 1993, California State University, San Marcos

M.S. 1995, University of California, Riverside

JACKÉ HALL GREEN (1986)

Dean, Economic Development and Community
Education

B.S. 1977, South Dakota University

WILLIAM A. GUDELUNAS (1990)

Professor of Political Science and American History

B.S. 1967, West Chester State University,
Pennsylvania

M.A. 1968, Lehigh University, Pennsylvania

Ph.D. 1973, Lehigh University, Pennsylvania

EILEEN C. HACKETT (1993)

Associate Professor of Nursing

B.S. 1966, New York University

M.A. 1970, New York University

GEOFFREY HAGOPIAN (1989)

Associate Professor of Mathematics

B.A. 1982, University of California, Santa Cruz

M.A. 1986, University of California, Davis

CRAIG C. HAYS (1997)

Associate Professor, Health, Physical
Education, Recreation & Athletics
B.A. 1979, California State University, Long Beach
M.A. 1996, California State Polytechnic
University, Pomona

JO ANN H. HIGDON (1990)

Chief Business Officer
B.S. 1979, St. Louis University, Missouri
M.P.A. 1995, California State University,
San Bernardino

KHANH Q. HOANG (1998)

ACES Counselor
A.A. 1990, Cypress College, California
B.A. 1992, California State University, Fullerton
M.A. 1997, California State University,
Dominguez Hills

JAMES H. HOPKINS (1970)

Professor of English,
Copper Mountain
B.S. 1960, New Mexico Western College
M.A. 1964, Western New Mexico University

CAROLYN E. HOPKINS (1993)

Librarian, Copper Mountain
B.A. 1979, California State University,
San Bernardino
M.L.S. 1992, San Jose State University

JAMES M. HOPP (1974)

Professor of English
B.A. 1967, University of Redlands
C. Phil. 1973, University of California, San Diego

RICHARD L. IMMENHAUSEN (1966)

Professor of Business
B.S. 1955, Carthage College, Wisconsin
M.A. 1962, Sacramento State University

BINA S. ISAAC (1997)

Director, Information Systems
B.A. 1978, Sarah Tucker College, Tennessee
M.A. 1980, Madurai University, Tennessee
M.Ed. 1981, The University of Toledo, Ohio
M.B.A. 1985, The University of Toledo, Ohio

CATHY JORGENSEN ITNYRE (1995)

Associate Professor of Philosophy and History,
Copper Mountain
B.A. 1974, The Catholic University of America
M.A. 1988, Rutgers University

C.D. JACKSON, JR. (1988)

Tutorial Coordinator
A.A. 1976, College of the Desert
B.A. 1978, Seattle Pacific University, Washington
M.A. 1982, Claremont Graduate School

MARIA C. JASSO (1996)

Counselor, Upward Bound Program
A.A. 1981, College of the Desert
B.A. 1990, California State University,
San Bernardino
M.S. 1995, California State University,
San Bernardino

ROBERT B. JORDAN (1966)

Professor of Psychology
Division Chair, Social Science/Human Services
& Business/Hospitality Industries
B.S. 1962, New Mexico State University
M.A. 1964, New Mexico State University

PATRICIA J. KELLER (1995)

Assistant Professor of Nursing
B.S.N. 1968, St. Louis University School of Nursing
M.S.N. 1982, University of San Diego

CAROLE J. KENDALL (1992)

Professor of Nursing, Copper Mountain
A.A. 1979, Golden West Community College
B.S.N. 1985, California State University, Fullerton

ELISE D. KING (1996)

Counselor
A.A. 1982, Pasadena City College, California
B.A. 1985, California State University, Fullerton
M.S. 1995, California State University, Fullerton

WILLIAM A. KOHL (1976)

Professor of Art
B.A. 1962, Illinois Wesleyan University
M.F.A. 1965, University of Michigan

WILLIAM R. KROONEN (1969)

Superintendent/President
A.A. 1958, University of California, Riverside
B.A. 1960, University of California, Riverside
M.A. 1966, University of New Mexico
Ed.D. 1974, University of Southern California

JOHN B. LaFONTAINE (1996)

Assistant Professor, Air Conditioning and
Refrigeration

KEN LaMONT (1986)

Counselor
B.A. 1965, California State University, Northridge
M.Ed. 1966, Oregon State University, Corvallis

MONICA LANGELLA (1999)
Instructor, Vocational Nursing
BSN 1995, Southern Connecticut State University

IRENE M. LARSEN (1995)
Assistant Professor of Nursing
B.S.N. 1965, Hunter College of the City
University of New York
M.S.N. 1993, Loma Linda University, California

LINDA L. LAWLISS (1998)
Instructor of English Composition
B.A. 1988, Brigham Young University, Utah
M.A. 1996, San Diego State University, California

KURT M. LEUSCHNER (1999)
Assistant Professor, Natural Resources
B.A. 1988, University of California, Santa
Barbara
1994, Master of Forest Resources and
Conservation, University of Florida

DEBRA FORD LIEBRENZ (1982)
Associate Professor of Nursing
Copper Mountain
B.S.N. 1979, San Diego State University
M.S.N. 1994, California State University,
Dominguez Hills

JUAN M. LUJÁN (1989)
Director, Eastern Valley Center
A.A. 1966, College of the Desert
B.A. 1972, University of California, Riverside
M.A. 1975, University of California, Riverside

JOHN R. MADDEN (1992)
Dean, Educational Services, Copper Mountain
B.A. 1974, Western Michigan University,
Kalamazoo
M.A. 1976, Western Michigan University,
Kalamazoo

MICHAEL MANIS (1985)
Professor of Business
B.A. 1965, Stanford University, California
M.B.A. 1970, Harvard University, Massachusetts

ANTHONY MANZONI (1986)
Associate Professor of Golf Management

JOHN L. MARMAN (1969)
Professor of Health, Physical Education and
Recreation
Division Chair, Health/Physical Education/
Recreation
Director of Athletics
B.S. 1963, Midland College, Texas
M.Ed. 1964, University of Arizona

MARTIN S. MASON (1998)
Instructor of Physics
B.S. 1994, University of California, Riverside
B.S. 1994, University of California, Riverside
M.S. 1998, University of California, Riverside

DIANNE S. MATHEWSON (1992)
Professor of Psychology
B.A. 1961, Duke University, North Carolina
M.A. 1965, The American University,
Washington D.C.
Ph.D. 1985, University of Maryland

JAMES I. MATTHEWS (1997)
Instructor of Mathematics
B.S. 1992, University of San Francisco
M.A. 1997, University of California, Davis
M.A.T. 1997, University of California, Davis

MARIAN E. McDANIEL (1998)
CalWorks Work Experience/Case Management
Coordinator
B.A. 1992, Principia College, Illinois

KENNETH HAROLD McDONNELL (1975)
Professor of Business, Copper Mountain
B.S. 1954, University of Southern California
J.D. 1965, Southwestern University, California

ALICE B. McREYNOLDS (1989)
Transfer Counselor
B.A. 1976, Wheaton College, Massachusetts
M.C. 1980, Arizona State University

STEVEN R. McWILLIAMS (1967)
Professor of Geography
B.A. 1961, University of Colorado
M.A. 1966, University of Oregon

GEORGE L. MEYER (1969)
Professor of Geology
B.A. 1961, University of California, Santa Barbara
M.A. 1967, University of California, Santa Barbara

MATTEO MONICA III (1973)
Matriculation Counselor
A.A. 1968, College of the Desert
B.A. 1970, California State University, Northridge
M.A. 1971, California State University, Northridge

EDWARD A. MORANTE (1991)
Grant Development Coordinator
B.S. 1965, Manhattan College, New York
M.Ed. 1967, Teachers College Columbia
University, New York
Ed.D. 1974, Teachers College Columbia
University, New York

LINDA A. MORANTE (1993)
Assistant Professor of English
B.A. 1966, College of Mt. St. Vincent, New York
M.A. 1982, Seton Hall University, New Jersey

CHERYL ANN MUNSEY (1986)
Director, Student Services, Copper Mountain
B.A. 1972, Long Beach State University
M.A. 1983, Chapman College, California

MICHAEL L. MURILLO (1989)
Professor of Art, Copper Mountain
B.A. 1973, Long Beach State University
M.A. 1975, Long Beach State University

CHRISTOPHER E. NELSON (1996)
Coordinator, Academic Skills Center
A.A. 1979, San Diego Community College
B.A. 1982, University of California, Los Angeles
M.F.A. 1984, University of California, Irvine
M.A. 1988, University of California, Irvine

TERRY NORMAN NICHOLSON (1974)
Professor of Theatre Arts
B.A. 1968, San Francisco State University
M.A. 1969, San Francisco State University

RUTH M. NOLAN (1999)
Instructor, English Composition
A.A. 1985, Victor Valley College
B.A. 1988, California State University, San Bernardino
M.A. 1995, Northern Arizona University

CRAIG S. NORMAN (1991)
Assistant Professor of English As A Second Language
B.A. 1986, California Lutheran University, Thousand Oaks
M.A. 1989, San Francisco State University

RICHARD M. O'DONNELL (1989)
Professor of Architecture, Drafting and Design
M.A. 1978, Goddard College Institute for Social Ecology, Vermont

MICHAEL J. O'NEILL (1990)
Assistant Professor of Special Education
Acting Coordinator, Disabled Students Programs and Services
B.S. 1968, Edinboro State College, Pennsylvania
M.A. 1971, San Francisco State University

ROSEMARY ORTEGA (1972)
Professor of Developmental Education
B.A. 1971, San Diego State College

REYNALDO F. ORTIZ (1978)
Division Chair, Developmental Education
B.A. 1971, University of San Francisco
M.A. 1981, California State College, San Bernardino

RICHARD G. PENAFLO (1985)
Associate Professor of Information Systems, Copper Mountain
A.A. 1979, MiraCosta College
B.A. 1981, San Diego State University
M.S. 1990, University of Southern California

ANTHONY A. PIÑA (1993)
Coordinator of Educational Technology
A.A. 1988, Brigham Young University, Utah
B.A. 1989, Brigham Young University, Utah
M.Ed. 1991, Brigham Young University, Utah

JEFFREY W. PLACE (1997)
Associate Professor of Turfgrass Management and Ornamental Horticulture
A.A. 1973, College of the Desert, California
B.S. 1975, California Polytechnic University, Pomona

RICHARD W. POST (1974)
Professor of Business
A.A. 1967, College of the Desert
B.S. 1972, California State University, Hayward
M.B.A. 1973, California State University, Hayward
J.D. 1981, University of Laverne, California

JAMES T. PULLIAM (1970)
Provost, Copper Mountain
B.A. 1963, University of Redlands
M.A. 1966, Chico State College, California
M.A. 1971, Chapman College, California

DIANE NORTHROP RAMIREZ (1974)
Acting Dean of Student Services and Learning Resources
B.F.A. 1967, Ohio State University
M.A. 1971, California State University, Los Angeles
Ed.D. 1987, University of Southern California

GRAZIANA RAMSDEN (1999)
Instructor, Foreign Language, Copper Mountain
M.A. 1993, University of Venice, Italy

RICHARD W. RAWNSLEY (1999)

Instructor, Basic Writing Skills
 A.A. 1976, College of the Desert
 B.A. 1989, California State University, San Bernardino
 M.A. 1995, California State University, San Bernardino

VICTOR RIOS, JR. (1999)

Associate Professor, Sociology
 B.A. 1974, Texas Arts and Industries University
 M.A. 1977, University of Notre Dame, Indiana
 Ph.D. 1983, University of Notre Dame, Indiana

RICHARD C. ROGERS (1973)

Director, Base Programs, Copper Mountain
 B.S. 1966, University of New Mexico
 M.A. 1970, Western New Mexico University

DARLENE ROMANO-SPARKS (1988)

Associate Professor of Musical Theatre
 Division Chair, Fine Arts
 B.M. 1970, San Francisco State University
 M.M. 1972, San Francisco State University
 D.M.A. 1994, University of Southern California

BRETT ROMER (1964)

Professor of Physics and Mathematics
 Division Chair, Science and Mathematics
 Coordinator, Summer Sessions
 B.S. 1963, New Mexico Highlands University
 M.S. 1964, New Mexico Highlands University

MARGARET K. ROSE (1994)

Assistant Professor of Nursing
 A.A. 1974, L.A. Pierce College, California
 B.S.N. 1989, California State University, San Bernardino
 M.S.N. 1997, California State University, Dominguez Hills

ANNE G. SADDINGTON (1995)

Associate Professor of Human Services and Sociology
 B.A. 1985, University of California, Irvine
 M.A. 1988, University of California, Irvine
 Ph.D. 1994, University of California, Irvine

DAVID WILSON SALTER (1975)

Professor of Biology
 B.S. 1964, University of Nevada
 M.S. 1966, University of Nevada
 Ph.D. 1970, University of Arizona

STEVEN H. SCHMIDT (1999)

Assistant Professor, Music
 B.M. 1989, California State University, Fullerton
 M.M. 1994, University of Southern California, Los Angeles

HUSHANG SHAHIDI (1989)

Professor of Economics and Finance
 B.S. 1969, Tehran University, Iran
 M.A. 1973, Mankato State College, Minnesota
 Ph.D. 1977, Colorado State University

SANDRA M. SHAW (1999)

Assistant Coordinator, Child Development Center
 B.S. 1974, Northern Arizona University

DOMENICO SOTTILE (1969)

Professor of Italian and Spanish
 B.A. 1963, University of California, Los Angeles
 M.A. 1969, San Diego State University

KAREN TABOR-REGIS (1992)

Associate Professor of Mathematics
 A.A. 1985, Mesa Community College, California
 B.A. 1988, San Diego State University
 M.A. 1992, San Diego State University

JOHN C. TAMULONIS (1971)

Professor of Automotive Technology
 A.A. 1971, Mt. San Jacinto Junior College, California

JACK R. TAPLESHAY (1986)

Associate Professor of Communication
 A.S. 1979, Yuba College, California
 B.A. 1981, California State University, San Bernardino
 M.A. 1987, California State University, San Bernardino

TYRONE R. THOMAS (1990)

Associate Professor of Adult Basic Education
 A.A. 1980, Lassen College, California
 B.S. 1982, College of Notre Dame, California

NORMAN THU (1975)

Professor of Political Science
 B.A. 1961, Moorhead State University, Minnesota
 B.S. 1961, Moorhead State University, Minnesota
 M.A. 1962, University of South Dakota

GEORGE P. TIELSCH (1994)

Professor of Administration of Justice
A.A. 1957, El Camino College, California
B.S. 1960, California State College, Los Angeles
M.S. 1970, California State University,
Long Beach
M.P.A. 1975, University of Puget Sound,
Washington
Ph.D. 1977, Claremont Graduate School,
California

LESLIE TODD (1995)

Associate Professor of Nursing
A.D.N. 1976, Los Angeles Valley College
B.A. 1972, California State University, Northridge
M.P.H. 1975, California State University,
Northridge

MARY K. (CHRIS) TOTTEN (1994)

Professor of Biology
B.S. 1981, Western New England College,
Massachusetts
M.A. 1983, Mount Holyoke College, Massachusetts

RODERICK SCOTT TRACEY (1984)

Professor of Chemistry
B.S. 1969, University of London, England
Ph.D. 1974, University of North Carolina

FREDERICK VESCIAL, JR. (1995)

Associate Professor of English as a Second
Language and Adult Basic Education
B.A. 1987, University of California, Irvine
B.A. 1991, University of California, Irvine
M.A. 1993, Monterey Institute of International
Studies

DOUGLAS J. WALKER (1971)

Professor of Agriculture & Natural Resources
Division Chair, Applied Sciences
A.A. 1963, Bakersfield College, California
B.S. 1966, University of California, Davis
M.S. 1969, University of California, Davis

MICHAEL WATLING (1977)

Professor of Ornamental Horticulture

FLOYD L. WATSON (1974)

Professor of Business
B.S. 1966, California State University, Long
Beach
M.A. 1972, Northern Arizona University

TINA BETH WEIN (1992)

Counselor, EOPS/CARE Programs
A.A. 1968, College of the Desert
B.A. 1976, University of California, Riverside
M.A. 1980, California State University,
San Bernardino

JACQUelyn FOSTER WEISS (1978)

Director of Personnel Services
Staff Diversity/Affirmative Action Officer
B.A. 1967, Arizona State University, Tempe

JOY E. WENTZ (1989)

Professor of English and Composition
B.A. 1973, Stetson University, Florida
M.A. 1978, California State University, Fullerton

KATHIE C. WESTERFIELD (1994)

Director, Admissions and Records and Financial
Aid Programs
A.A. 1966, Skagit Valley College, Washington
B.S. 1982, City University, Washington
M.B.A. 1984, Western Washington University

CHAR WHITAKER (1991)

Coordinator, Library Services, Palm Desert
B.A. 1968, San Francisco State University
M.A. 1971, San Jose State University
M.L.S. 1988, San Jose State University

JOHN E. WHITE (1973)

Professor of Mathematics and Science,
Copper Mountain
B.S. 1961, Roosevelt University, Chicago
M.S. 1966, Illinois Wesley University

LESLIE YOUNG (1999)

Instructor, Early Childhood Education
B.A. 1977, University of San Diego, California
M.Ed. 1978, University of San Diego, California
J.D. 1984, University of San Diego, California

FACULTY EMERITI

LaVONNE ABRUZZI (1987-1998)

Associate Professor of Nursing
B.S.N. 1961, Jamestown College, North Dakota
M.A. 1996, California State University, San Bernardino

JOHN A. ANELLO (1980-1987)

Professor Emeritus, Music
B.A. 1950, Montclair State College, N.J.
M.A. 1967, Trenton State College, N.J.
Ed.D. 1972, Brigham Young University, Utah

ARTHUR W. BENDER (1969-1994)

Professor Emeritus, Microbiology
B.S. 1956, Bowling Green State University, Ohio
M.S.Ed. 1961, University of Toledo, Ohio
M.S. 1967, Virginia State College

HAROLD L. BIRD, JR. (1974-1984)

Professor Emeritus, Chemistry
B.S. 1943, Rutgers University, New Jersey
M.S. 1949, Purdue University, Indiana
Ph.D. 1974, University of Arizona

BARBARA ANNE BOLAÑOS (1971-1995)

Professor Emeritus, Sociology
A.A. 1967, College of the Desert
B.A. 1969, California State College, San Bernardino
M.A. 1970, University of California, Riverside

FAYE R. CASTILLEJA (1972-1994)

Professor Emeritus, Nursing
A.A. 1969, College of the Desert

JOHN R. COEFIELD (1963-1995)

Professor Emeritus, Health, Physical Education
and Recreation
B.S. 1952, Slippery Rock State College of
Pennsylvania
M.S. 1955, University of Oregon
Ed.D. 1964, University of Oregon

JOHN COLLIGAN (1987-1999)

Professor Emeritus, English and Reading,
Copper Mountain Campus
B.A. 1956, La Salle College, Pennsylvania
M.A. 1957, La Salle College, Pennsylvania
M.A. 1962, Villanova University, Pennsylvania
M.A. 1968, Manhattan College, New York
Ph.D. 1974, Arizona State University

JOHN D. CRAIG (1972-1983)

Professor Emeritus, Engineering
Copper Mountain Campus
A.A. 1975, College of the Desert

MARGARET ANN CURRLIN (1975-1986)

Professor Emeritus, Developmental Education
B.A. 1939, University of Arizona

EDGAR L. De FOREST (1962-1978)

Professor Emeritus, English and Speech
Theatre Arts Diploma, 1937, Leland Powers
School of Theatre, Massachusetts
B.S. 1940, Boston University, Massachusetts
M.A. 1941, University of Southern California
Ed.D. 1955, Columbia University, New York

WALLACE G. DOHMAN (1969-1992)

Professor Emeritus, English
Copper Mountain Campus
B.S. 1953, Winona State College, Minnesota
M.A. 1956, University of Minnesota

ROBERT F. ESCUDERO (1974-1987)

Professor Emeritus, Spanish
A.B. 1968, University of California, Los Angeles
M.A. 1969, University of California, Los Angeles
Ph.D. 1974, University of California, Los Angeles

L. CAROLYN FISHER (1963-1982)

Professor Emeritus, Counseling
B.A. 1951, University of Redlands
M.A. 1963, Syracuse University, New York

LAWRENCE FREDERICK (1962-1981)

Professor Emeritus, Mathematics
B.S. 1942, Pennsylvania State University
M.S. 1948, Iowa State University
Ed.D. 1955, University of Missouri

ELIZABETH BAILEY FRINCKE (1977-1998)

Professor Emeritus, Drafting and Interior Design
B.S. 1962, University of Tennessee
M.S. 1987, University of Tennessee

LEANORA R. FURR (1962)

Professor Emeritus, English
A.B. 1926, Washington University
A.M. 1928, Washington University
Ph.D. 1940, Cornell University, New York

FRANK J. GARCIA (1968-1998)

Professor Emeritus, Health, Physical Education
and Recreation
A.A. 1956, Diablo Valley Jr. College, California
B.A. 1959, Sacramento State College
M.A. 1965, Sacramento State College

RICHARD OWEN GILLICK (1975-1987)
Director Emeritus, Business/Institutional Services,
Copper Mountain Campus
B.S. 1952, University of Wisconsin
M.S. 1973, Shippensburg State College,
Pennsylvania

RALPH T. GRANNAN (1973-1997)
Professor Emeritus, Physics
B.A. 1959, University of California, Riverside
M.A. 1973, University of California, Riverside

CHARLES RONALD GREEN (1966-1997)
Dean Emeritus, Student Services and Relations
B.S. 1958, Brigham Young University, Utah
M.A. 1960, Arizona State University

EUGENE KENNETH HANSON (1969-1992)
Professor Emeritus, Philosophy and Religion
B.A. 1953, Westmar College, Iowa
M.A. 1970, Claremont Graduate School, California
M. Div. 1975, Luther Seminary, Minnesota
Th.D. 1978, School of Theology, Claremont,
California

DONALD HARRISON (1971-1988)
Professor Emeritus, Business
A.A. 1951, Pasadena City College, California
B.A. 1956, University of Southern California
M.S. 1960, University of Southern California
Ed.D. 1981, United States International
University, California

CELIA L. HARTLEY (1992-1999)
Professor Emeritus, Nursing
Division Chair, Health Sciences
Director of ADN, VN, CNA and EMT Programs
B.S. 1965, University of Washington, Seattle
M.N. 1968, University of Washington, Seattle

BEVERLY A. HARTNETT (1968-1994)
Professor Emeritus, Nursing
B.S. 1960, University of Washington
M.A. 1976, Azusa Pacific College, California

FRANCIS JENE HEDQUIST (1970-1991)
Professor Emeritus, Psychology
B.A. 1959, University of Utah
M.A. 1961, University of Utah
Ph.D. 1967, Brigham Young University, Utah

DEAN W. HOOVER (1973-1992)
Professor Emeritus, Reading
B.A. 1950, Drury College, Missouri
M.A. 1972, Adams State College, Colorado
Ph.D. 1973, University of Oklahoma

JOSEPH B. IANTORNO (1974-1986)
Dean Emeritus, Student Services
A.A. 1949, Long Beach City College
B.A. 1952, California State College, Long Beach
M.A. 1953, California State College, Long Beach
Ed.D. 1969, University of Southern California

EDWIN T. INGLES (1960-1974)
Professor Emeritus
Past Dean of Instruction, College of the Desert
A.B. 1929, Pacific University, Oregon
M.A. 1935, University of Oregon
Ed.D. 1947, University of Oregon

PHYLISS JONES (1987-1999)
Professor Emeritus, Nursing
B.S.N. 1973, Loma Linda University
M.S.N. 1975, Loma Linda University

MARIAN M. KATZ (1967-1992)
Professor Emeritus, Nursing
B.S.N. 1956, Walla Walla College, Washington
M.A. 1960, Walla Walla College, Washington

DORIS F. KELLY (1973-1987)
Professor Emeritus, Nursing

AUSTIN KILIAN (1970-1987)
Professor Emeritus, Art
Chairperson, Art
B.A. 1942, Augustana College, South Dakota
M.F.A. 1949, University of Iowa

JAN B. LAWSON (1970-1994)
Professor Emeritus, English
B.A. 1954, University of Rhode Island
M.A. 1970, University of Tennessee

MARIAN T. LEE (1973-1981)
Professor Emeritus, Mathematics
Copper Mountain Campus
B.A. 1938, University of California, Los Angeles
M.S. 1941, University of Southern California

ELEANOR MARTIN (1977-1989)
Counselor Emeritus
B.A. 1963, Baylor University, Texas
M.S. 1968, University of Southern California

ELIZABETH MARTIN (1979-1994)
Professor Emeritus, Nursing
B.S. 1962, Walla Walla College, Washington
M.S. 1970, University of California, San Francisco

JOHN W. MARZICOLA (1972-1985)
Professor Emeritus, Mathematics
B.S.M.E. 1967, University of Southern California
M.S.M.E. 1972, University of Southern California

ASHLEY T. McDERMOTT (1964-1999)

Professor Emeritus, Astronomy and History
B.A. 1961, San Diego State College
M.A. 1967, San Francisco State College

BARBARA McFADYEN (1965-1987)

Professor Emeritus, Political Science
B.A. 1944, University of Colorado
M.A. 1945, University of Colorado
M.A. 1957, University of Colorado
Ph.D. 1965, University of Colorado

MARTIN McKELL (1965-1985)

Professor Emeritus, Business
B.A. 1959, University of California, Berkeley
M.A. 1963, George Washington University,
District of Columbia

DONNA JOY McLAIN (1968-1996)

Professor Emeritus, Health, Physical Education and Recreation
B.S. 1958, Northern Illinois University
M.A. 1963, California State University, Long Beach

JOHN ROLLAND McMILLAN (1967-1982)

Director Emeritus, Admissions and Records Services
B.S. 1950, Grove City College, Pennsylvania
M.A. 1964, Arizona State University
Ph.D. 1970, Arizona State University

MERLE E. MERRITT (1970-1995)

Professor Emeritus, History
Copper Mountain Campus
B.A. 1956, Westmar College, Iowa
M.A. 1964, University of South Dakota

ALFRED D. MILLER (1971-1993)

Counselor Emeritus
Copper Mountain Campus
B.A. 1958, University of Northern Iowa
M.A. 1960, University of Northern Iowa

JAMES A. MILLS (1973-1992)

Professor Emeritus, Administration of Justice
B.A. 1943, Erskine College, South Carolina
J.D. 1949, University of South Carolina

HOVAK NAJARIAN (1966-1994)

Professor Emeritus, Art
B.S. 1952, Bob Jones University, South Carolina
M.A. 1957, Columbia University, New York
Ed.D. 1979, Columbia University, New York

GEORGE J. NELSON (1963-1974)

Professor Emeritus, Chemistry
B.S. 1932, Andrews University
M.S. 1939, University of Colorado
Ph.D. 1947, University of Colorado

JOHN L. NORMAN (1962-1999)

Professor Emeritus, Music
B.A. 1950, Northeastern State College,
Oklahoma
M.M. 1957, University of Oklahoma
Ph.D. 1968, Michigan State University

SEAMUS NUNAN (1962-1982)

Professor Emeritus, History
B.S. 1941, New York University
M.A. 1947, Columbia University, New York
Ed.D. 1958, University of Southern California

BETTY J. OEDING (1967-1992)

Professor Emeritus, Nursing
B.S. 1964, Loyola University, Chicago
M.S. 1967, Loyola University, Chicago

JAMES C. ONEY (1970-1997)

Professor Emeritus, Mathematics
B.S. 1962, New Mexico Western University
M.A. 1970, California State College, Long Beach

CHARLES R. PALMER (1969-1991)

Dean Emeritus, Educational Services
Copper Mountain Campus
B.S. 1957, California State College, Pennsylvania
M.A. 1959, West Virginia University

C.A. PATTERSON (1974-1999)

Professor Emeritus, Mathematics
B.S. 1957, Illinois State University
M.S.T. 1965, University of Arizona
Ph.D. 1971, Arizona State University

WILLIAM H. PIVAR (1971-1994)

Professor Emeritus, Business
B.S. 1953, University of Wisconsin
J.D. 1965, University of Wisconsin

SAMUEL HART PLUMER (1975-1986)

Counselor Emeritus, Handicapped
B.S. 1943, Ohio State University
M.Ed. 1972, Bowling Green State University, Ohio

LANCE READ (1964-1996)

Counselor Emeritus

A.B. 1951, University of California, Los Angeles

M.Ed. 1958, University of California, Los Angeles

RHODA G. SCHWANKE (1973-1983)

Professor Emeritus, Nursing

Coordinator Emeritus, Student Health Service

B.A. 1967, Sacramento State College

M.A. 1971, Sacramento State College

PERRY J. SHENEMAN (1970-1981)

Professor Emeritus, Engineering Technology

B.S.E.E. 1949, The American Institute of
Engineering, Illinois

M.S.E. 1967, Colorado State University

GEORGE SMITH, JR. (1973-1994)

Professor Emeritus, Agriculture

B.A. 1950, Chico State College, California

M.S. 1976, California State Polytechnic
University, San Luis Obispo

GWENDOLYN JEAN SMITH (1980-1992)

Professor Emeritus, Nursing

B.S.N. 1959, University of California, Berkeley

M.A. 1976, Azusa Pacific College, California

FERN D. STOUT (1964-1987)

Superintendent/President Emeritus

B.S. 1947, New Mexico State University

M.A. 1957 Eastern New Mexico University

Ed.D. 1962, University of New Mexico

DONALD D. THOMPSON (1965-1996)

Professor Emeritus, Physical Education

A.A. 1953, Pasadena City College, California

B.A. 1958, California State College, Los Angeles

M.A. 1969, California State College, Los Angeles

CHRISTINE J. TOMLINSON (1976-1982)

Professor Emeritus, Music

A.A. 1941, Springfield College, Illinois

B.M. 1972, Redlands University, California

M.M. 1975, Redlands University, California

JOYCE WADE-MALTAIS (1966-1999)

Professor Emeritus, English and Speech

B.A. 1954, Wilmington College, Ohio

M.A. 1956, Ohio State University

Diploma in Audio-Visual Aids, 1964,

University of London, England

Ph.D. 1981, University of California, Riverside

HARRY WALTHALL (1962-1994)

Librarian Emeritus

B.A. 1953, Ottawa University, Kansas

M.S. 1956, Kansas State Teachers College,
Emporia

KENNETH A. WATERS (1968-1991)

Professor Emeritus, Agriculture & Mechanics

B.S. 1959, California State Polytechnic

University, San Luis Obispo

M.A., 1970, California State Polytechnic

University, San Luis Obispo

DON A. WELTY (1965-1980)

Coordinator Emeritus, Continuing Education

B.A. 1954, Arizona State University

M.A. 1956, Arizona State University

FRANCES De LONG WILSON (1969-1984)

Professor Emeritus, Developmental Education

A.B. 1946, University of California, Berkeley

STAN Le ROY WILSON (1967-1994)

Professor Emeritus, Mass Communication and
Journalism

A.A. 1955, Modesto Junior College, California

A.B. 1958, California State University, Fresno

M.A. 1966, California State College, Stanislaus

Ed.D. 1973, University of Southern California

FACULTY EMERITI IN MEMORIAM

MARION BLONDIS (1965-1976)

Professor Emeritus, Nursing
A.B. 1958, San Francisco State College
M.A. 1970, United States International
University, California

DAN A. BURKE (1966-1985)

Professor Emeritus, Developmental Education
B.A. 1961, Arizona State University
M.A. 1964, Northern Arizona University

M. W. ELLERBROEK (1961-1981)

Professor Emeritus
Past Dean of Business Services
A.B. 1947, University of Redlands
M.A. 1953, Claremont Graduate School, California
Ed.D. 1957, University of Southern California

WENDELL C. FORD (1965-1989)

Media Specialist Emeritus
B.A. 1956, San Jose State University, California
M.A. 1957, San Francisco State University, California

GEORGE D. GOODWIN (1962)

Professor Emeritus, Philosophy and Religion
A.B. 1939, West Virginia Wesleyan
D.D. 1956, West Virginia Wesleyan
S.T.B. 1942, Boston University, Massachusetts
S.T.M. 1952, Boston University, Massachusetts
Ph.D. 1965, Boston University, Massachusetts

ROBERT M. GRIFFIN (1966)

Professor Emeritus, Special Education
Coordinator of Special Education
Director, Reading Laboratory
A.B. 1935, University of the Pacific
M.S. 1939, University of California, Berkeley
Ph.D. 1943, University of California, Berkeley

ROY HUDSON (1962)

Professor Emeritus, Rhetoric and Public Address
B.A. 1948, Fresno State College
M.A. 1949, University of Oregon
Ph.D. 1953, Cornell University

ROY MALLERY (1962)

Associate Professor Emeritus, Fine Arts
Chairman, Art
B.S. 1938 George Peabody College for Teachers
M.S. 1943, University of Oregon

J. R. MASTERS, Jr. (1964)

Professor Emeritus, Speech
Director of Forensics
B.A. 1951, Humboldt State College
J.D. 1954, Willamette University
M.A. 1964, San Francisco State College

ROY C. McCALL (1959-1973)

Professor Emeritus
Past President, College of the Desert
Past Superintendent, Coachella Valley
Community College District
A.B. 1930, University of Redlands, California
M.A. 1931, University of Iowa
Ph.D. 1936, University of Iowa

KIM R. MILTENBERGER (1982-1999)

Adjunct Instructor Emeritus, Speech
B.S. 1978, Ball State University, Indiana
M.S. 1980, Southern Illinois University at
Carbondale

KATHLEEN MUCHNIK (1972-1987)

Associate Professor Emeritus, Nursing
Assistant Chairperson, Nursing and Allied Health
B.S. 1971, Fairleigh Dickinson University,
New Jersey
M.A. 1975, Azusa Pacific College, California

WILLIAM M. REESKE (1969-1999)

Professor Emeritus, English
Copper Mountain Campus
A.A. 1951, Mt. San Antonio College
B.A. 1957, Los Angeles State College
M.A. 1965, California State University, Los Angeles

BETTY LOU ROCHE (1970-1989)

Professor Emeritus, Business
B.S. 1947, Oklahoma State University
M.S. 1949, Oklahoma State University

STEPHEN SIMONSEN (1979-1997)

Professor Emeritus, Communication
A.A. 1974, Chaffey College, California
B.A. 1976, Pomona College, California
M.A. 1978, California State Polytechnic
University, Pomona
M.A. 1979, California State Polytechnic
University, Pomona
Ph.D. 1988, University of California, Riverside

FREDERICK THON (1962-1974)

Professor Emeritus, Drama
A.B. 1931, Harvard University
M.F.A. 1940, Yale University School of Drama,
Connecticut

RAYMOND L. TRAYNOR (1974-1987)

Professor Emeritus, Developmental Education
Copper Mountain Campus
B.A. 1946, Creighton University, Nebraska
M.A. 1966, San Francisco State University

PROGRAM ADVISORY COMMITTEES

AIR CONDITIONING-HVAC

*Richard Golay, HVAC Engineer
Hilton Palm Springs Resort*

*Hugh Hoard, Principal Owner/Contractor
H&H Air Conditioning & Heating*

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COMPUTER INFORMATION SYSTEMS/ COMPUTER SCIENCE

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*Steve Vasquez, System Manager
Marriott Desert Springs Resort*

*Ellena Kempthorne, Desktop Publisher
Marriott Desert Springs Resort*

GULINARY ARTS

*Dr. Thomas Dullien, Palm Springs
Adjunct Faculty, COD*

*Darrell Miller, Chef, Cathedral City
Adjunct Faculty, COD*

*Pamela Gilbert, Pastry Chef
Marriott Desert Springs Resort*

Joel Walter, Owner, Sub King, Cathedral City

Ruben Rodriguez, Marriott Desert Springs Resort

DRAFTING TECHNOLOGY

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*Gordon Fisher, Owner, Point Happy Interactive
Multi-Media Productions, La Quinta, CA*

*Denise Reilley, Graphic Designer
COD Adjunct Faculty, Computer Graphics*

Bob Ritchey, Architect; COD Adjunct Faculty, CAD

*Wanda Scott, Computer Technician COD, Adjunct
Faculty*

EARLY CHILDHOOD EDUCATION

*Mercy Alvarez, Director, Happiland Children's
Center, Indio*

*Maureen Archuleta, Director, YMCA School Age Child
Care, Rancho Mirage*

Jan Barnett, Director, ECE

*Kristina Beaumont, Owner/Director, Rancho Mirage
Children's School*

Robbie Certain, ECE Adjunct Faculty

Gayle Clark, Director, Bermuda Dunes Learning Center

Cheryl Cole, Director, Jean Benson YMCA Child Care

Barbara Cory, ECE Adjunct Faculty

Mary Culver, Director, YMCA

*Susana Dauto, Director, Storyland Pre-School, Desert
Hot Springs*

*Joan Dixon, Supervisor, CVREC & Park District Child
Care, Palm Desert*

Jean Espino, Director, Bermuda Dunes Learning Center

Josie Gallegos, Director of Vocational Education, COD

*Jim Green, Coordinator, Children and Family Services
Headstart, Coachella Unified School District, Thermal*

*Krista Johnston, Assistant Director, Thousand Palms
Child Care Center*

*Bob Jordan, Division Chair Social Sciences/Human
Services & Business/Hospitality Industries*

Cathy Knudsen, Director, La Quinta YMCA Child Care

*Gretchen Long, Director, Christian School of the Desert,
Bermuda Dunes*

*Marian McDaniel, Coordinator CalWORKs/
Work Experience*

PROGRAM ADVISORY COMMITTEES

EARLY CHILDHOOD EDUCATION-CONT'D

Laura McGalliard, Recreation & Park Superintendent, CVREC & Park District - Indio

Doris Mechanick, ECE Adjunct Faculty, COD

Eileen Menzia, ECE Adjunct Faculty, COD

Barbara Black Miller, Regional Manager, GAIN Program

Barbara Mueller, ECE Adjunct Faculty, COD

Theo Nicholas, Financial Aid Officer, COD

Sheryl Rhodes, Director, Thousand Palms Child Care Center

Margaret Rivera, Director, Our Lady of Perpetual Help Pre-School

Linda Rodriguez, Director, CVREC & Park District Child Care - Indio

Maria Rojas, Director, Indio Learning Village

Dianne Russom, Children's Center

Sandra Shaw, ECE Asst. Director, COD

Patsy Smith, Esperanza Pregnant Minor Program

Tina Wein, EOPS/CARE Counselor, COD

Leslie Young, ECE Faculty, COD

EOPS/CARE

Oscar Armijo, CPA, Palm Desert

Andrea Armstrong, Counselor, Copper Mountain

Dottie Asten, EOPS Secretary, COD

Jan Barnett, Director, COD Child Development Center

Joseph Beaver, Executive Director, Black Historical and Cultural Society of Coachella Valley

Lisa Copley, EOPS Secretary, Copper Mountain

Marcelino Diaz, EOPS Coordinator, COD

Josie Gallegos, Director of Vocational Education, COD

Anna Garcia, Regional Manager, Department of Public Social Services, Cathedral City

Adrian Gonzales, TRIO Program Coordinator, COD

James Jessie, Supervisor, Desert Highland Unity Center

Joanne Kleveland, Teen Mother Program, Palm Desert High School

Juan Lujan, Director, Eastern Valley Center, COD

Jim McGuire, Director Children's Home Society, Palm Springs

Barbara Black Miller, Regional Manager, GAIN Program

Millie Pancoast, AFDC Supervisor, Department of Public Social Services

Sam Plumer, Counselor, COD

Yvonne Ring, GAIN Program, Rancho Mirage

Larry Salas, Counselor, Coachella Valley High School, Thermal

Norman Thu, Professor of Political Science, COD

Joyce Wade-Maltais, Professor Emeritus, English and Speech, COD

Tina B. Wein, EOPS/CARE Counselor, COD

Susie Young, Supervisor, Department of Public Social Services, Cathedral City

PROGRAM ADVISORY COMMITTEES

NURSING

Alice Anderson, R.N., High Desert Home Health Services

Ms. Judy Austin, R.N., Vice President of Patient Care Services, Eisenhower Medical Center

Dan Baxley, Ed.D., Dean of Instruction and Chief Instructional Officer, COD

Ms. Pam Buxton, R.N., Chief Nursing Officer John F. Kennedy Memorial Hospital

Amy Chabot, R.N., COD graduate

Teresa Collins, R.N., COD graduate

Lawrence Cone, M.D.

Sue Corbett, R.N., Director of Nursing Monterey Palms Health Care & Rehabilitation Center

Fred DelToro, Group Administrator Emergency Medical Group, Indio

Ms. Barbara Fraser, R.N., Educational Services Director, High Desert Convalescent Center

Josie Gallegos, Director of Vocational Education, COD

Mr. Art Gregory, R.N., Director of Nursing Rancho Mirage Healthcare Center

Theresa Holt, R.N., COD graduate Eisenhower Home Care Services

Ken LaMont, Counselor, COD

Danette Mondary, R.N., COD graduate

Elaine Prescott, R.N., Vice President, Patient Care Service, High Desert Memorial Hospital

Patti Smith, R.N., Director of Nursing, Manor Care

Karolee M. Sowle, R.N., Chief Nursing Officer Desert Hospital

Ms. Geri Thompson, R.N., Director of Nursing Charter Palm Springs Hospital

Ms. Ellen Wolfe, R.N., Director of Nursing The Fountains at Carlotta, Palm Desert

TURFGRASS MANAGEMENT

Bill Baker, Instructor, UC Riverside

Ty Broadhead, Superintendent, La Quinta Country Club

Roger Compton, Superintendent, Thunderbird Country Club

Josie Gallegos, Director of Vocational Education, COD

Dave Harbison, Water Management Specialist, Coachella Valley Water District

Cal Hardin, Certified Golf Course Superintendent, The Reserve Corporation, Palm Desert

Cary Lee, Vice-President, Hi-Lo Desert GCSA, Palm Heritage Country Club, COD Graduate

John Maggiore, Operations Manager, Turf Partners

Dennis Orsborn, Board of Directors, Hi-Lo Desert GCSA/Government/Public Relations/Big Horn Golf Club

Jeff Place, COD Faculty, Turfgrass Management

Rick Sall, Superintendent, Tamarisk Country Club

Craig Shafer, Sales Manager, Turf Partners

Mike Turner, Salesman, Lasco Corporation

Doug Walker, Division Chair, Applied Sciences, COD

RESPIRATORY THERAPY

Tom Ciastko, Former R.T. Program Director, COD

W. Werner Engdhal, RRT - Eisenhower Medical Center

Dr. Daniel Walters, Medical Director

Dr. Ronald Sneider, Medical Director

Leslie Malloy, Desert Regional Medical Center

Guy Rice, JFK Memorial Hospital

Christine Blankenship, Manager Pulmonary Services, Eisenhower Medical Center

Steven Peters, Eisenhower Medical Center

Dennis Oeding, Eisenhower Medical Center

Stan Baldwin, Desert Regional Medical Center

Mrs. Martin Semmel, Consumer Representative

Mary Hoy, College of the Desert graduate

Ed Hill, College of the Desert graduate

DESERT COMMUNITY COLLEGE DISTRICT
POLICY STATEMENTS

For complete policy procedures, refer to policies manual in the Admissions and Records or Counseling offices.

5001 Admission of International Students with F-1 or M-1 Status

The District, to enrich and diversify the institutional environment, admits a limited number of international students who meet specific criteria. (Page 25)

5002 Evaluation and acceptance of transfer courses, units, and grades

The District evaluates and accepts transfer courses, units and grades in an equitable manner in accordance with the standards of the Western Association of Schools and Colleges Accrediting Association. (Page 56)

5003 Catalog requirements under which a student graduates

The District requires students to satisfy catalog graduation requirements based on time of entrance, time of attendance and time of graduation. The District authorizes course substitutions under specific circumstances. (Page 56)

5004 Student Classification for Matriculation

The District classifies students for matriculation services and requirements based on student goal(s) and academic level. (Page 30)

5005 Admission of Special Students

The District allows K-12 students to enroll based on student readiness, and approval of school officials and parent(s). (Page 24)

5006 Admission of Special Students to Summer Sessions

The District allows K-12 students to enroll in summer session(s) based on lack of opportunity to enroll in equivalent course at school of attendance, student readiness and approval of school officials and parent(s). (Page 24)

5007 Early Admission/Special Students/Full Student Status

The District allows early admission for special students with regular student status based on student readiness, approval of the governing board of the school district in which the student is enrolled and consent of the parent(s). (Page 24)

5008 Matriculation Services

The District has a matriculation process to ensure students are provided with the information and services to set and realize educational goals. (Page 30)

5009 Course Repetition, Substandard Grades

The Districts permits students who have earned grades of "D", "F", and/or "NC" to repeat these courses. (Page 51)

5010 Course Repetition, Satisfactory Grades

The District permits students to repeat a course or courses with grade(s) of "C", "B", "A", or "CR" when a lapse in time, change in course content, or need to upgrade skills justifies the repetition. (Page 51)

5011 Student Exemptions for Matriculation

The District exempts students from participation in specific components of the Matriculation process based on student's declared educational goal. (Page 31)

5012 Student Assessment for Placement

The District has a multi-measure assessment program to ensure that appropriate educational support services and opportunities are provided for students. (Page 26)

5013 Student Grade Responsibility

The District allows students to withdraw from classes without penalty until the last day of the fourteenth week or seventy-fifth percent point of a semester or session, whichever is less. (Page 47)

5014 Catalog, Period of Time in Effect

The District catalog is valid from July 1 through June 30. This is for the purpose of degree/certificate programs, advising students, etc. (Page 8)

5015 Student Counseling/Advisement Program

The District provides academic advisement/counseling for all students. Academic advisement/counseling is required for matriculated students once per semester. (Page 31)

5016 Computer Software Copyright Compliance

All District employees, students, and guests shall adhere to computer software copyright statutes when on district-owned or controlled property or when participating in officially approved or sanctioned district activities.

5017 Student Orientation

The District provides timely and comprehensive orientation programs. Orientation is for new students classified as matriculated, and available to all students. (Page 31)

5018 Student Code of Academic Integrity

The District assumes the responsibility for fostering student academic integrity by considering cheating, fabrication, facilitating academic dishonesty and plagiarism to be serious student offenses.

5019 Graduation, Student Honors

The District recognizes academic accomplishment by awarding associate degrees with Highest Honors, High Honors, and Academic Distinction designations. (Page 49)

5020 Ownership of Literary Works, Including Computer Software

The District recognizes that faculty, administrators, staff and students who produce literary works including software are considered to be the copyright owners, unless the person was hired or commissioned by the District to produce literary works or software as part of the duties of the job.

5021 Enrollment, Student Holds

The District may prevent students from enrolling in classes who are on Academic and/or Progress Disqualification or Conduct Suspension and Expulsion. (Pages 37, 50)

5022 Student Grievance Policy

The District has established a student grievance procedure to ensure fair and equitable treatment for students who feel they have been unfairly treated. (Page 38)

5022 Addendum Grade Grievance Procedure

The District has established a Grade Grievance Procedure for students who feel they have received unfair final grades resulting from mistake, bad faith, or incompetency. (Page 48).

5023 Credit for Advanced Placement Examinations

The District grants credit toward its degrees for completion of examinations of the Advanced Placement Program of the College Board with minimum acceptable scores. (Page 54)

5024 Records, Student Holds

The District places holds on student records, including transcripts, grades, enrollment verifications and diplomas, for monies owed to the college. (Page 28)

5025 Prerequisites, Corequisites, Advisories, and Other Limitations on Enrollment

The Desert Community College District recognizes the importance of prerequisites, corequisites, and advisories on recommended preparation in maintaining academic standards while at the same time recognizing that these prerequisites, corequisites, and advisories are not intended to constitute unjustifiable obstacles to student access and success. The District has a process for the establishing, reviewing, and challenging of prerequisites, corequisites, advisories on recommended preparation, and certain limitations on enrollment in a manner consistent with law and good practices. (Pages 44, 74)

5026 Students' Rights and Responsibilities

The Desert Community College District is committed to serving all students who can profit from its instructional programs to ensure equal opportunity and access, and to provide necessary services for establishing and successfully achieving educational goals, provided the student exercises his or her responsibilities. (Page 37)

5027 Sexual Assault Policy

The District, to the fullest extent possible, ensures that students, faculty and staff who are victims of sexual assault committed on or upon the grounds of, or upon off-campus grounds or facilities maintained by the District shall receive treatment and information to deal with the assault. If on-campus treatment facilities are unavailable, the written procedures may provide for referrals to local community treatment centers. Sexual assault includes, but is not limited to rape, sodomy, oral copulation, rape by a foreign object, sexual battery, or threat of sexual assault. (Page 22)

5028 Articulation Agreements

The Desert Community College District will maintain formal cooperative agreements with school districts existing within its district and with colleges and universities to which DCCD students may transfer. These articulation agreements may authorize the district to enter into agreements exemplified by but not limited to the following:

1. where students may earn credit at one institution while attending another,
2. which may eliminate requirements which cause students to duplicate prior coursework,
3. which may guarantee acceptance of coursework previously taken, and
4. which may assure preferential placement.

DCCD Board of Trustees



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DESERT COMMUNITY COLLEGE DISTRICT

43-500 MONTEREY AVENUE
PALM DESERT, CA 92260
(760) 346-8041

*The following statement is required by
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COLLEGE OF THE DESERT

Name of School

43-500 MONTEREY AVENUE, PALM DESERT, CA 92260

Address

JULY 1999

Date

*In accordance with requirements of D.V.B.
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Dean of Instruction and Chief Instructional Officer



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Members of the 1998-99 Curriculum Committee:
Dr. Dan Baxley, Leslie Todd, Co-Chairs

Cathy Brant, Judith Cook, Claudia Derum,
Tom Gillman, Celia Hartley, Craig Hays, Bob Jordan,
Carole Kendall, Alice McReynolds, Mike Murillo,
Rey Ortiz, Brett Romer, Doug Walker

and

Kathie Westerfield
Director of Admissions and Records

Alma Beeuwsaert
Director of Counseling and Matriculation

Suzann Pell
Director of Educational Support Services

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Jill Buttles
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John Marman
Ron Oden
Donni Prince

