

COLLEGE OF  
THE DESERT  
1993-1994 CATALOG

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# COLLEGE OF THE DESERT

*A California Public Community College*

DESERT  
COMMUNITY  
COLLEGE  
DISTRICT

1993 - 1994  
CATALOG OF COURSES

## College of the Desert

43-500 Monterey Avenue  
Palm Desert, CA 92260  
(619) 346-8041

## Copper Mountain Campus

Post Office Box 1398  
6162 Rotary Way  
Joshua Tree, CA 92252  
(619) 365-0614  
(619) 366-3791  
(619) 367-3591

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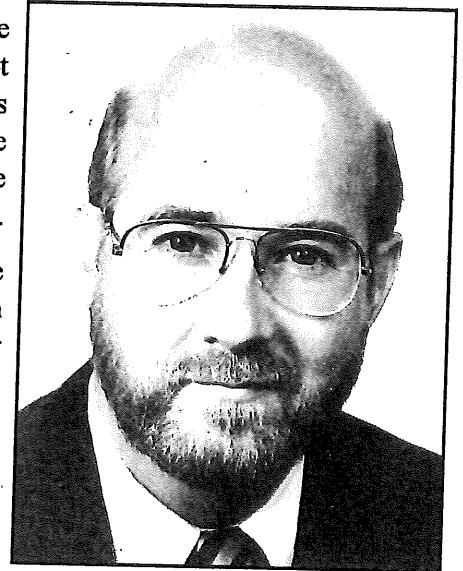
## COLLEGE ADMINISTRATION

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*A Message from the President . . .*

The educational experiences that you will have at the College of the Desert are dependent not only on what you bring to the College in terms of personal abilities and commitment, but are also dependent on what the College can provide in terms of resources and commitment to you.

Whatever site that you are attending -- the Palm Desert Campus, Copper Mountain Campus, 29 Palms Marine Base Center or the Eastern Valley Center -- this catalogue is intended to help you make the most of your educational experience by making you more knowledgeable of the resources and opportunities that are available within the Desert Community College District.



On behalf of the District's Board of Trustees, faculty, and staff, I would like to welcome you and to express to you my sincere hope that you are able to fully achieve your educational goals at College of the Desert. We are committed to supporting you in any way that we can, so please do not hesitate to call on any of us in matters with which we can be of assistance!

*Dr. David A. George*  
President/Superintendent

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### OFFICERS OF THE COLLEGE

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David A. George, *President and District Superintendent*  
Dorothy Bray, *Vice President, Educational Services*  
Albert J. Grafsky, Jr., *Vice President, Administrative Services*  
James Pulliam, *Provost of Copper Mountain Campus*

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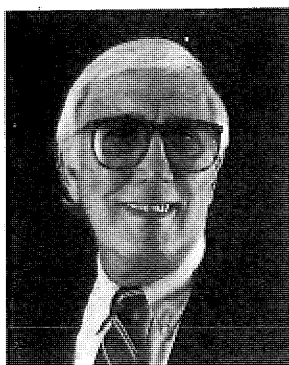
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## BOARD OF TRUSTEES

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**Joaquin Delgado**  
AREA 4  
Appointed 1993  
Term Expires 1993



**Charles Hayden, Jr.**  
*Chairman*, AREA 2  
Elected 1983  
Term Expires, 1995



**Virnita McDonald**  
*Vice Chairman*, AREA 1  
Elected 1977  
Term Expires 1993

The members of the Board are elected by the people of the Desert Community College District for a term of four years. A Student Trustee is elected annually by students.



**Ray House**  
*Member*, AREA 5  
Elected 1985  
Term Expires 1995

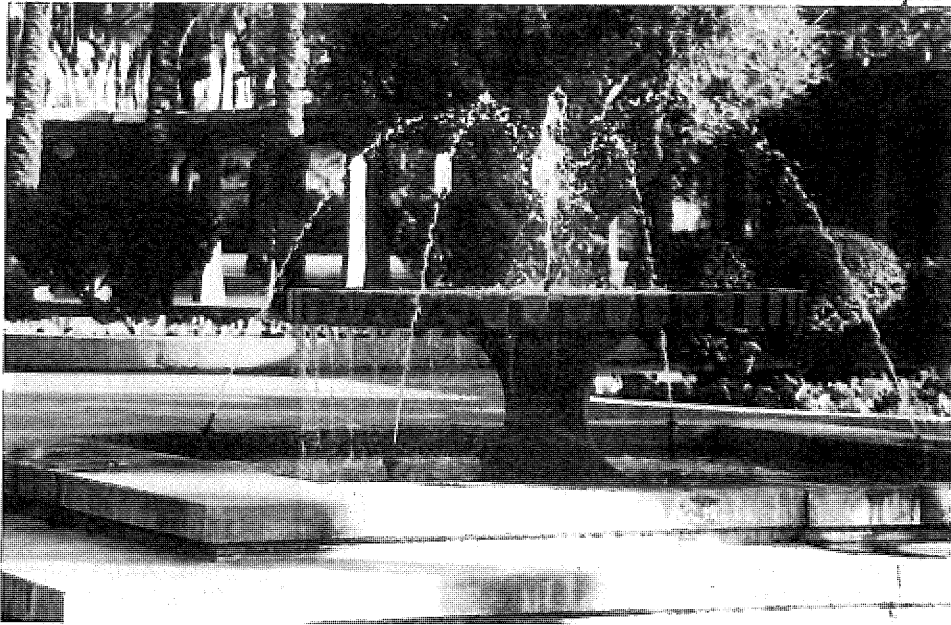


**Jackie Suitt**  
*Clerk*, AREA 3  
Elected 1979  
Term Expires 1995



*Copper Mountain Campus*

*Palm Desert Campus*



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This catalog is valid from July 1, 1993 through June 30, 1994. It is in effect for the Fall and Spring semesters and any session (intersession) which commences within this defined period of time.

# ACADEMIC CALENDAR

## SEPTEMBER 1993

Su	M	T	W	TH	F	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

## FALL SEMESTER 1993

September 2 ..... Classes Begin  
 September 6 ..... Labor Day - HOLIDAY

## OCTOBER 1993

Su	M	T	W	TH	F	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

October 1 ..... Last day to drop without a "W"  
 October 26 ..... FLEX Day - no classes

## NOVEMBER 1993

Su	M	T	W	TH	F	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

November 12 ..... Veterans' Day - HOLIDAY  
 November 25-26 ..... Thanksgiving Day - HOLIDAY  
 November 27 ..... No Saturday classes

## DECEMBER 1993

Su	M	T	W	TH	F	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

December 6 ..... Last day to drop without a grade  
 December 20 - January 2 ..... Christmas Break

## JANUARY 1994

Su	M	T	W	TH	F	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

January 3 ..... Classes resume  
 January 12-19 ..... Final Exams  
 January 17 ..... Martin Luther King, Jr. HOLIDAY  
 January 19 ..... End of Fall Semester

# ACADEMIC CALENDAR

## SPRING SEMESTER 1994

January 20-26 ..... Student Semester Break  
 January 20-21 ..... Faculty Semester Break  
 January 27 ..... Spring classes begin

### JANUARY 1994

Su	M	T	W	TH	F	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

February 18 ..... Lincoln's Day - HOLIDAY  
 February 19 ..... No Saturday classes  
 February 21 ..... Washington's Day - HOLIDAY  
 February 25 ..... Last day to drop without a "W"

### FEBRUARY 1994

Su	M	T	W	TH	F	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

March 28 - April 3 ..... Spring Break

### MARCH 1994

Su	M	T	W	TH	F	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

May 3 ..... Last day to drop without a grade  
 May 27 - June 3 ..... Final Exams  
 May 30 ..... Memorial Day - HOLIDAY  
 June 3 ..... Last day of Final Exams  
 June 3 ..... Last day of Spring semester  
 June 3 ..... Graduation

### APRIL 1994

Su	M	T	W	TH	F	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

### MAY/JUNE 1994

Su	M	T	W	TH	F	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4



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# GENERAL INFORMATION

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## MISSION STATEMENT

Challenged by a diverse, growing, and energetic community dedicated to lifelong learning, the DCCD will be the center for comprehensive educational opportunities for instruction in Academic Transfer, Vocational/Occupational, Developmental Education, and Community Services programs and will stimulate its constituents by promoting cultural exchange, encourage the examination and development of ideas through a balanced social forum, and provide an environment for growth of the individual and the community.

## GOALS

### ACADEMIC TRANSFER

The DCCD believes that the 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/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 education and community services.

### COMMUNITY SERVICES

The DCCD accepts the responsibility to provide a community services program offering comprehensive lifelong learning opportunities which expand or complement the other educational programs of the District.

### 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 inter-relationship 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

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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.

## COLLEGE CURRICULUM

The College curriculum is organized around four major areas.

### 1. Academic Preparation for Advanced Study

- 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 the four-year colleges and universities of the state and nation. The College aspires to do this in such a manner that students may transfer without loss of time or credit.

**2. Occupational 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.

**3. Developmental Education** - 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.

**4. Community Education** - The College recognized the dignity and worth of each individual and provides courses which will enable students to explore their potential abilities. The primary objective of these courses is to provide the opportunity for students to improve the quality of their lives by enriching and broadening their horizons.

## ACADEMIC PREPARATION FOR ADVANCED STUDY

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 that the students engage in careful, long range planning. In general, the student planning to transfer should follow the procedure outlined below:

**1. Tentative Choice:** Make a tentative transfer college choice as early as practicable during your College of the Desert career. Catalogs for most California colleges, as well as many out-of-state colleges, are available in the College of the Desert Transfer Center, AD-5.

**2. Catalog:** Examine catalogs of prospective colleges and universities (henceforth, college will be used to refer to both institutions). Study carefully (1) sections covering Admission of Transfer Students, and (2) sections covering all requirements for graduation in a major. Finding all requirements often requires a review of the entire catalog. Typically, universities have university-wide graduation requirements, college graduation requirements, and graduation requirements in a major. These are often listed in different sections of the catalogs. Many of these requirements must be taken during the freshman and sophomore years. Failure to do so can unduly extend the time required for graduation.

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**3. Financial Aid:** Apply for financial aid as directed in the COD Financial Aid Handbook. Application forms and other financial aid information are available in the Financial Aid Office.

**4. General Education Requirements:** With early and effective planning, a student should be able to complete all lower division general education or breadth requirements while at College of the Desert.

**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 academic advisers and instructors well enough so that they 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 56 units of 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 non-residents). The California State University and Colleges require a minimum of a 2.0 grade point average (2.4 or higher for non-residents). Students eligible for UC or CSU entrance as freshmen may enter before their junior year if they maintain a 2.0 or better grade point average in college work.

For clarification of entry requirements consult the transfer college catalog.

**9. Admission to Independent California 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 colleges and universities. Some colleges require a certain number of completed units before considering students as eligible for transfer. Others do not, and accept students at any time. Admission requirements are outlined in the respective college catalogs. Catalogs are available in the College of the Desert Transfer Center, or upon request from the independent college's Office of Admissions. 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 and at the University of California. This acceptance can change annually. Consult the Counseling Center for more detailed information.

## OCCUPATIONAL EDUCATION

The College of the Desert offers a diverse program in the occupational areas. 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.

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## 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.

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 provides instruction for students at all levels who are studying English as a second language. A complete ESL program is in operation on a daily basis in the Learning Laboratory. Students of varied educational backgrounds and from different parts of the world are regular participants in this 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 service school attended, work experience, and

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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. The GED test can be taken Monday, Tuesday, Wednesday from 1:00 - 4:00 pm in room LMI.

The College offers a comprehensive program for community residents. See list of certificate programs and Associate degree offerings.

## **Community Services**

Community Services has become a major function of the Community Colleges of California. The California Association of Community Colleges (CACC) Community Services Commission has developed the following definition of Community Services:

"Community Services are those efforts provided by Community Colleges as one of their central functions often in cooperation with other community agencies which strive to identify and meet the following needs in the community not met by college credit programs: continuing education; cultural enrichment; recreational, community and personal development needs."

The Community Services Program at College of the Desert offers a wide range of self-supporting activities for the purpose of meeting the individual and community needs not served by the college's degree and certificate programs.

As another community service, the use of college facilities is encouraged by community organizations which qualify under the Civic Center Act. Community Services strives to keep the public abreast of current events, future trends, personal and professional development, and issues that affect the quality of life in the Coachella Valley, the nation, and the world.

Plato defined a good education: "A good education consists of giving to the mind and to the body all of the beauty and all the perfection of which they are capable."

Personal enrichment offerings of College of the Desert are a necessary part of satisfying this definition. Due to changing times, people now have the opportunity to explore any intellectual and physical endeavors previously denied them.

College of the Desert recognizes the need and desire on the part of its students to explore areas never studied, to develop skills and to strive to improve the quality of their lives and the lives of those around them. To this end, the College offers courses and programs in the arts and the humanities and strives to make these programs available to all who might wish to participate.

## **Accreditation**

College of the Desert is accredited by the Western Association of Schools and Colleges, which is the official accrediting agency for this region. Accreditation was reaffirmed during 1987-1988 academic year. College of the Desert's next comprehensive review being conducted in 1993.

## **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 candi-

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dates. 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.

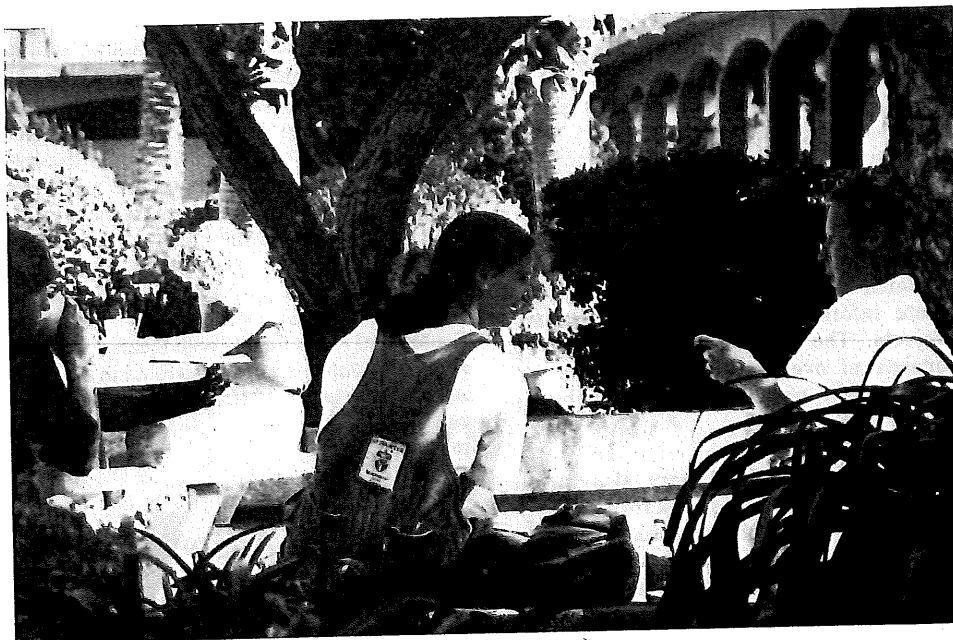
The residents of the Morongo Unified School District, comprised of the communities of Morongo Valley, Yucca Valley, Landers, Joshua Tree, and Twentynine Palms, elected, in 1966, to join the Desert Community College District. Classes were first offered on the High Desert in the Fall of 1967 at the Twentynine 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 community its 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 Memorial Hospital District and the Marine Corps has enabled the campus to expand its offerings in such specialized fields as Nursing and Computer Science.

The partnership between Copper Mountain Campus 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, Copper Mountain Campus 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.



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## California State University San Bernardino

California State University, San Bernardino, offers junior, senior, and graduate level coursework and programs 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. For further information, call 341-2883.

### 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 non-credit classes in the evening at the Indio High School campus. 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.

### Library

The College of the Desert Library plays a prominent role in the instructional curriculum of the college. A professional staff is available to assist faculty and students to locate information and complete research projects. The circulating book collection consists of over 40,000 volumes as well as over 200 periodical/journal subscriptions.

The resources of the library also include audio and video tapes, microfilm, maps, newspapers and duplicating services. There are CD-ROM indexes to assist faculty and students in searching for articles from journals, periodicals and newspapers. In addition, the library has a special Annenberg

Tape collection (265 tapes) from the CPB Project of the PBS educational series. Other special services available include inter-library loans, microfilm copying, typewriters and the Annenberg Computer Users Lab for word processing.

The Friends of the Library are a dedicated group that support the 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 with new and rare books by the Friends.

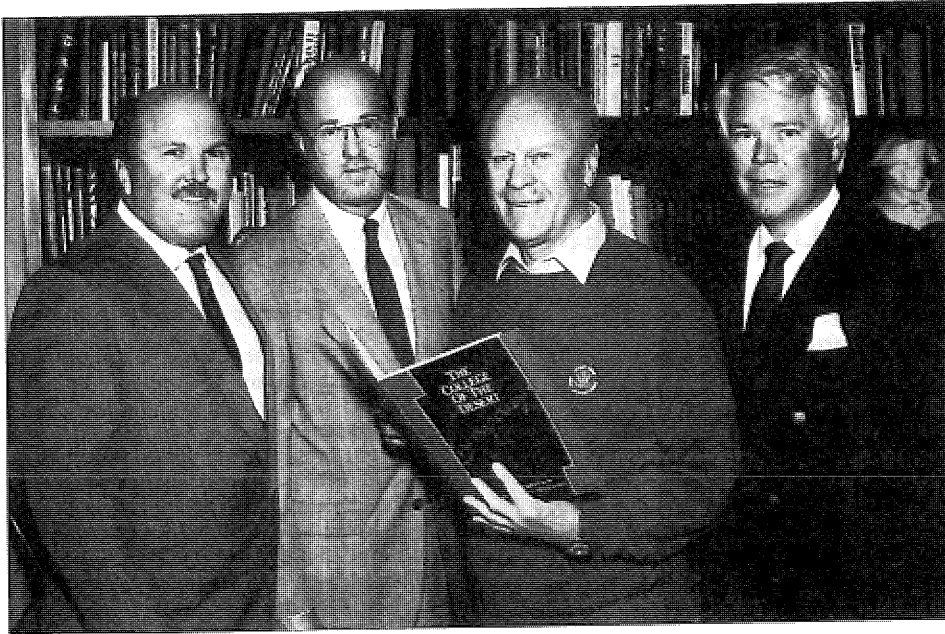
Copper Mountain Campus Phase III includes a new library, which is scheduled to open during Summer 1993. This new facility will house an expanded collection and provide students with a comprehensive study environment. In addition, the Helen Bagley Room of Desert and Southwestern literature will provide specialized services and resources to the community.

### Media Center

The Media Center provides non-print media services to students and faculty. The major emphasis of the Media Center is to supply video tapes, television programs, and satellite telecasts for instructional purposes within the college district. Also, it distributes and maintains the necessary equipment for viewing these materials and coordinates the repair of this equipment. The Center staff processes all requests for film rentals within the college district, and works with faculty on video productions. The Media Center staff also consults with faculty, students and community members interested in the utilization, purchase, operation, and maintenance of equipment for locally produced instructional materials.

### Alumni Association

College of the Desert Alumni Association was chartered in 1983. The major goals of the Association are to support student activities, recog-



nize outstanding former students, and outstanding community leaders who have been supportive of the college. Annual recognition is also given to outstanding faculty and staff persons. Scholarships are awarded to college, high school and middle school students. The Scholarship Endowment Fund now totals in excess of \$250,000. Membership is open to alumni, students, staff, and the community.

### **College of the Desert Foundation**

The College of the Desert Foundation is a non-profit 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.

Donations to the College of the Desert Foundation may be designated to a particular department or project. Membership opportunities range from \$50 to \$1,000 annually.

### **College of the Desert Foundation Auxillary**

Members serve as goodwill ambassadors and organize special events for the college. Membership dues have been set at \$20 per year or \$250 for a life membership.

### **Friends of Copper Mountain Campus**

The "Friends" is a COD Auxiliary dedicated to raising funds for development of the Copper Mountain Campus. This group has been largely responsible for construction of Phase I of the campus at Joshua Tree, and have also contributed toward the completion of Phases II and III. The Auxiliary continues to solicit funds for future development.

### **President's Circle**

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



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The Circle is composed of concerned citizens who make an annual contribution of \$1,000 or more to the Foundation. A one-time gift of \$10,000 or more entitles a donor to lifetime membership. For more information call 773-2568 or 346-2190.

## **COLLEGE POLICIES**

### **Affirmative Action/Equal Opportunity/Title IX**

The Desert Community College District is committed to the concept and principles of Affirmative Action in providing equal opportunity in education and employment for all persons and to prohibit discrimination based on race, gender, age, color, religion, sexual orientation, 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 non-discrimination in providing equal opportunity for admission, student financing, student-support facilities and activities, and employment regardless of race, religion, gender, age, disability, sexual orientation, or national origin.

The designated coordinator for compliance with Sexual Harassment, Affirmative Action/Staff Diversity, Equal Opportunity, and Title IX is Josie Gallegos, Staff Diversity/Affirmative Action Officer. Her office is located in the Modular Building south of the Brad Garrow Aquatic Center. She can also be contacted by telephone at (619) 773-2508.

### **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 of 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.

### **Campus Sexual Assault**

#### **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.

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## 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. The Sexual Assault Liaison 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 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 DCCD AND TREATMENT CENTERS

The SAL will be available for consultation with any treatment center if concerns or questions

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arise in cases involving Desert Community College District students, faculty, and staff.

## **7. ONGOING EVALUATION OF CAMPUS SEXUAL ASSAULT 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.

## **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 designated coordinator at College of the Desert, for compliance with Section 504 of the Rehabilitation Act of 1973 for students is Dr. Diane Ramirez. Her office is located on the main floor of the Library. She can also be contacted by telephone at (619) 346-8041, ext. 257.

## **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 Affirmative Action Officer, Provost (CMC), Director of Personnel, and Dean of Students.

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# ADMISSIONS INFORMATION

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## 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.

### Non-Graduates of High School

Non-graduates, eighteen years of age or older, who can profit from instruction, 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 Director of Developmental Education.

Students who complete the High School Proficiency Examination with satisfactory scores may attend College of the Desert. A copy of the Certificate of Proficiency is required.

### Special Part-time Students

Public school students who can benefit from advanced scholastic or vocational study may be admitted to College of the Desert. Special part-time students must fulfill admissions procedures as prescribed for Matriculated Students. Admission is to be based upon the students' readiness for advanced scholastic or vocational study. The college reserves the authority to validate student readiness for college level study through college Matriculation guidelines.

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

Special part-time students are to receive credit for course work completed in the same manner as regularly enrolled students, and may enroll in up to, and including, 12 units per semester. Such

students are subject to tuition and fees and are not eligible for financial aid.

### Special Students to Summer Sessions

Public school students who have demonstrated adequate preparation in the discipline to be studied, may be admitted to College of the Desert. Special Summer Session students must fulfill College of the Desert admission requirements prescribed for non-matriculated students.

Students seeking admission as Special Summer Session students must have the approval of the principal 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 Summer Session 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.

### 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

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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 and are eligible for financial aid and scholarships the same as other matriculated students.

### **Residents of the Desert Community College District**

Students whose residence is in one of the Unified School Districts comprising the Desert Community College District (Coachella Valley, Desert Center, Desert Sands, Morongo Valley, Palm Springs) are qualified to enroll under the above conditions.

### **Students from California Districts not Maintaining a Community College**

Students who reside in a School District not affiliated with a Community College are eligible to attend College of the Desert.

### **Out-of-State Students**

High school graduates from out-of-state are eligible to enroll at College of the Desert provided acceptable transcripts of past achievements are presented and show evidence of good academic competency. Non-resident tuition fees will be charged.

### **International Students with F-1 or M-1 Status**

To enhance the opportunity for students from College of the Desert to learn directly about other cultures of the world, international students who have language and mathematics skills necessary to complete degree programs offered by the district are to be encouraged to seek admission. To ensure cultural diversity, reasonable limits are to be placed on the number of international students from any country and, to ensure that the number of international students does not exceed college service limits, a reasonable limit is to be placed upon the number of international students admitted.

International students must demonstrate the capacity to complete degree requirements within a reasonable number of semesters, and must demonstrate the capacity to finance their education at College of the Desert.

To be admitted, international students must apply well in advance of the semester in which they plan to enroll. A \$100.00 application fee is charged and is applied to the non-resident tuition at the time of registration. This fee is NON-REFUNDABLE. Students must demonstrate by examination their proficiency in English and Mathematics to profit from college credit classes. A TOEFL score of 500 is required. International students wishing to transfer to College of the Desert from other U.S. institutions are expected to complete one semester of satisfactory course work at the U.S. college or university admitting them.

International students are required to show evidence of Medical-Surgical insurance coverage or purchase student insurance. Students are required to enroll in a minimum of 12 units per semester. Non-resident tuition fees will be charged.

## **First-Time Enrollment**

Prospective students are strongly encouraged to request class schedules prior to the beginning of new terms. Schedules provide times and dates of registration procedures. Full-time students are expected to take part in testing programs and Orientation courses offered prior to the beginning of Fall and Spring semesters. Out-of-state and international students should contact the college well ahead of new terms to establish tuition costs and eligibility for admission. Students who register early have a much better chance of enrolling for courses and schedules they want.

### **Transcript of Record**

Full-time students should arrange to have complete transcripts of academic records sent to the Admissions Office. A high school senior should

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have the transcript sent after graduation. Transcripts must be mailed directly from one institution to another and cannot be considered official if they are delivered in person. Only transcripts that arrive in Admissions and Records unopened will be considered "Official".

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 required for 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 pre-requisite.

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, comprehension, sentence skills, and mathematics. Results are provided to the student. Assessment test results from other colleges are not accepted at College of the Desert.

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

correcting 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 in the Engineering building at College of the Desert or in the Student Services Office at Copper Mountain.

### **Disqualified Transfer Student Program**

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 Student Program**

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.

### **Matriculation Program**

The purpose of the Matriculation process at College of The Desert is to increase student retention and success through early admissions, assessment, orientation, counseling/advisement, basic skills instruction, when needed, and follow-up on student progress. Students with degree/certificate and/or transfer goals are classified as being matriculated students and are expected to participate in the assessment, orientation, and advisement.

Students who do not plan to complete a degree/certificate and/or transfer to a four-year college are classified as nonmatriculation students and are required to only participate in the admissions program. They may participate in the assessment, orientation and advisement at their choosing. If

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

## REGISTRATION

A Schedule of Classes is published before each semester and contains carefully planned registration procedures.

### Fees

#### 1. Enrollment Fees for Resident Students

- a. Enrollment fees are listed in the Schedule of Classes for each semester or intersession.
- b. 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:

1. All active duty military personnel attending classes on a military base and their dependents.
2. All BOGG Waivers (A, B, and C).
3. Apprentice students.

4. All students who depend exclusively on prayer for healing in accordance with a bonafide religious sect.

2. Tuition Fee for Foreign Country and 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 Office.

3. Insurance - International Student: 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. The college nurse will help secure insurance.

4. Parking Fee: A fee is charged to students for each vehicle they plan to drive and park on the College of the Desert campus. There is a charge for replacement of parking permit stickers. This is a non-refundable fee.

5. 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.

### Non-Resident Tuition Fees

No refund is granted after the end of the second (2nd) week of the semester. Refunds are available for a reduction of program or complete withdrawal before the end of the second week.

NOTE: (Non-resident Tuition) Partial refunds are made when the College cancels a class or the College makes a time change which prevents the student from attending.

### Accident Insurance

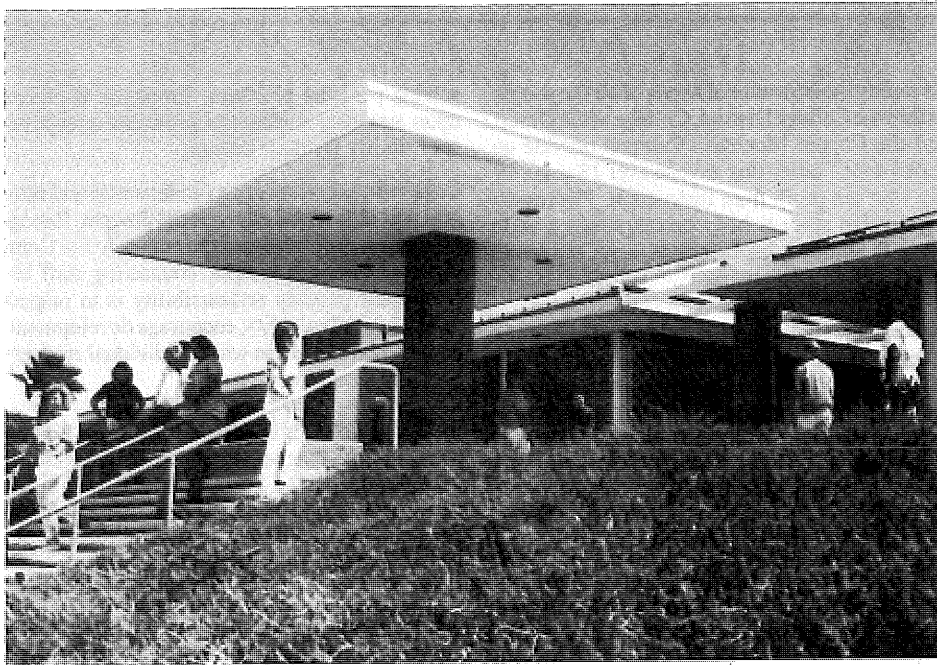
The Health Fee entitles students to accident insurance. This policy covers accidents on campus or campus related activities only. Athletes engaged in the interscholastic sports have separate coverage.

### Voluntary Accident and Sickness Plan

Students may purchase supplementary health insurance to cover sickness and hospitalization at minimum costs.

### Refunds

Requests for refunds are accepted at the Admissions and Records Office until the end of the second week of the semester. Refunds can be made only upon proper presentation of a COD receipt and refund application within the



*Copper Mountain Campus*

prescribed time limits. Applications for refunds are available at the Admissions and Records counter in the Administration Building lobby.

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.

#### **Returned Checks**

A service charge of Twenty Dollars (\$20.00) will be assessed for any check returned to the College or the College Bookstore by a bank. Any student who has not paid for a returned check after notification by the Business Office will not be

able to receive a transcript nor will any of his or her records from the College be processed to any other institution. Within one week, if a student has not met his or her financial obligations, he or she may be dropped from all classes. Check-cashing privileges may be revoked for any student who has checks returned by his or her bank more than once.

#### **Unit Load Limitations**

A normal class load 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.

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



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# STUDENT SERVICES

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To satisfy the educational needs of all the people within the College District, College of the Desert and the Copper Mountain Campus provide an "open door," admitting anyone over 18 years of age who can profit from instruction. 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 integral, 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. To this end, Student Services assists students to achieve understanding of four major areas: Admissions, Counseling, Student Affairs, and Special Services.

## Admissions

The Admissions 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.

Other information regarding Admissions may be found in this catalog under the titles of Academic Information and Admission Information.

## Counseling

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 staff 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 growth of individuals within society and within the College community. The services provided to students include (1) college orientation, (2) general counseling, (3) transfer information, (4) testing, (5) placement and career guidance, (6) the Extended Opportunities Program and Services (EOPS), (7) handicapped consultation and counseling, (8) veterans counseling.

## Orientation

Prior to the beginning of the Fall and Spring semesters, a special orientation program is held for new students. A video orientation is required for all matriculating students who have not attended the regular orientation. Matriculated 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 advisors, students should confer with a counselor to help them plan the smoothest possible transition to four-year colleges. The counselors are directly involved in keeping both students and faculty advisors informed concerning the latest information about college transfer.

The latest information about admission to four-year colleges and universities is made available through the Transfer Center, located in the Counseling Center, Administration, Room 5.

Another activity to promote knowledge about four-year colleges is College and University Day, usually held in November. On this day, representatives from many California institutions of higher education assemble on the Palm Desert campus to meet and confer with district students.

As in other phases of student development services, counselors serve as a community resource for transfer information. Contact the Counseling Center for additional information.

### **Advising Program**

Advising is a student's right at the college and is required for all matriculating students. Students are assigned to a counselor until they have

selected a major, and a teaching faculty advisor when they have declared a major.

Advisors work with students to plan realistic programs, assist students with college expectations and provide information on available services. Students are required to meet with their advisor each semester for schedule planning and are encouraged to meet more often when appropriate.

### **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.

The Career Center is located in the Counseling Center and is staffed by a full-time career counselor. Students are encouraged to use the center on a drop-in basis or by appointment.

### **The Extended Opportunity Programs 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 services listed below are provided through the EOPS Program:

1. The EOPS Program recruits disadvantaged students from the 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.
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. Academic, career, personal, and financial aid counseling are provided to each student.
4. An individual student educational plan, enabling each student to formulate his/her program requirements, is provided.
5. The EOPS Office coordinates visits to four-year colleges and makes available EOP transfer information and applications.
6. The EOPS Office provides bilingual (Spanish and English languages) counseling to the general student body.
7. The C.A.R.E. (Cooperative Agencies Resources for Education) Program initiated during the Fall 1980 semester encourages financially needy single parents to enroll at College of the Desert and provides counseling, academic advising, financial aid and child care assistance.

### **Disabled Students, Programs and Services (DSPS)**

Students with disabilities at College of the Desert are encouraged to 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, notetakers, specialized counseling, and special equipment to those who qualify. The Library and Diesel Mechanics are two-story buildings. Elevator keys are available to those in need of access, by contacting the Office of Disabled Students, Programs and Services.

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; the Computer Access/High Tech programs, Work Ability III, and individualized Special Education instruction. A varied program of Physical Activities are 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: (619) 773-2535; TDD (619) 773-2598.

### **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 toward an 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 106 (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**

1. Students receiving VA benefits are required by the Department of Veterans Affairs to maintain regular class attendance and satisfactory progress.
2. Course numbers 100 or above are not acceptable for veterans' benefits. TV courses and Individual/Independent Study courses are not acceptable for veterans' benefits.
3. Veterans, dependents, and reservists must declare a major and are responsible for enrolling only in classes required for their major. Failure to take proper classes can



lead to reduction or termination of benefits.

4. 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.
5. Students may receive VA benefits when repeating a course in which a grade of "F" was received if the course is a prerequisite to a required course, is required for graduation or transfer. Students may receive VA benefits when repeating a course in which a grade of "D" was received, if the catalog states that a grade of "C" or better is required and the course is a prerequisite to a required course or is required for graduation.
6. A student receiving a "No Credit" grade for a course claimed on veterans benefits, will need to provide the Department of Veterans Affairs with "mitigating circumstances" for receiving that grade. If the Department of Veterans Affairs does not accept your mitigating circumstances, you may be charged an overpayment for the entire semester.
7. 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.
8. 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, status changes, withdrawals, etc. immediately to the Admissions Office and the Veterans Office.

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9. The unit load requirement for students receiving VA educational benefits is:

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 106 only)

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

10. Additional information about V.A. benefits and program requirements may be obtained from the Veterans Office in the Administration Building.

### **Servicemembers Opportunity College**

College of the Desert, through its affiliation with the American Association of Community and Junior Colleges, and other Community and Junior Colleges across the country, maintains membership in the Servicemembers Opportunity Colleges (SOC).

The SOC concept is based on the fact that military life is keyed to mobility. In the light of difficulties faced by military personnel SOC colleges make every effort to respond to their special needs by: (1) having admissions policies related to the life conditions of military personnel (2) providing special services, and (3) giving special consideration to military personnel and veterans making application to College of the Desert. The Copper Mountain Campus is directly associated with this program because of its proximity to the Twentynine Palms Marine Corps Base.

### **Associated Students**

In keeping with the philosophy of College of the Desert, the responsibility for student affairs is placed with the students. This responsibility rests with the Student Senate of the College of the Desert. Regularly enrolled students of the college are expected to be members of this organization and are encouraged to participate.

The Student Senate has adopted rules and regulations which provides for a governing body that reflects the interests of the entire student population. This government is made up of representatives from academic departments.

### **Student Rights and Responsibilities**

All members of the College of the Desert faculty and staff have a primary mission of helping students to make progress toward a degree or credential. Nevertheless, each student is individually responsible for meeting all college requirements and deadlines, as presented in this publication (College catalog) and any other announcements of the college or department in which he/she is enrolled.

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, sexual preference, marital status, pregnancy, age, disability or veteran status. All persons are to be protected from abusive or harassing behavior.

Information regarding student rights and responsibilities and grievance procedures can be found in the "Statement of Student Rights, Responsibilities, and Student Grievance Procedures," copies of which are available in the office of Admissions located in the Administration Building on campus.

### **Special Support Services**

The "open door" philosophy of the Community College has resulted in enrollment of students from diverse cultural groups, economic levels, and academic abilities. Special services are provided by College of the Desert in a comprehensive student personnel program. Special services are vital aspects of student personnel services and include, but are not limited to, health services, financial aid, and part-time and career employment.

### **Animals on Campus**

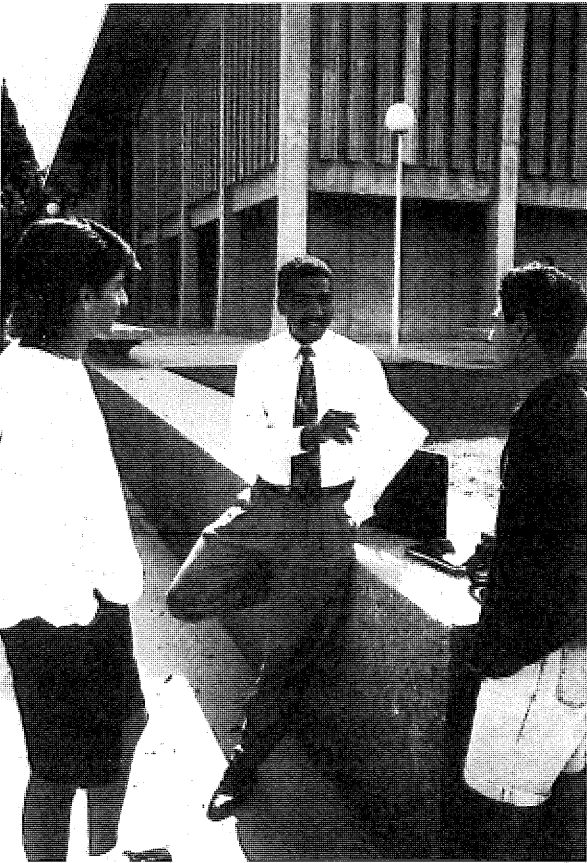
State and local laws prohibit animals on campus at any time. The Humane Society removes

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.

### **Athletics**

College of the Desert is a member of the Foothill Athletic Conference. The conference includes these colleges: Antelope Valley, Barstow, Cerro Coso, Citrus, Chaffey, College of the Desert, East Los Angeles, Mt. San Jacinto, Rio Hondo, San Bernardino Valley and Victor Valley.

The conference includes competition in basketball, baseball, cross country, football, golf, soccer, softball, tennis, track and field, and volleyball.



### **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 is also open to non-students.

### **Food Services**

The Dining Hall is open Monday through Thursday, 7:30 a.m. to 9:00 p.m. and Fridays 7:30 a.m. to 2:00 p.m. Menu items include soup, hot entree, vegetarian entree, 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. (except on Fridays). Dial-A-Menu at 773-2549 is available daily from 8:00 a.m. to 1:00 p.m. A new dining facility will open at the Copper Mountain Campus for the Fall 1993 semester.

### **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, vision screening 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 Administration Building in the east wing. Student insurance for sickness and accidents is available through the Health Services office.

### **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

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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 pay a Parking Fee 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 (visitor) is in effect from 7:30 a.m. to 10:30 p.m. Monday through Friday of each school week. A copy of parking regulations may be obtained from the Parking Office.

Handicapped parking (Blue curb marking) must be observed both day and evening. Handicapped permits are obtained from the Department of Motor Vehicles and must be displayed when parking in any designated blue zone.

### **Student Affairs**

Student affairs programs in a comprehensive Community College provide opportunities for the students and college to develop an essential dimension to the educational experiences through a wide variety of activities.

### **Student Organizations**

Students are encouraged to participate in campus 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.

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

## **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 infor-

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mation reported on the FAFSA. If you have attended other schools or colleges since graduating from high school, you will also need to submit both Academic and Financial Aid Transcripts from each 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 Grant Program (BOGG)* - State grant 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 financially needy single parents 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 Loans* - Generally available to all students at College of the Desert who are enrolled at least half-time and who are experiencing an emergency situation requiring short-term funding that must be repaid within thirty days with no interest charged.

*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 a financial need.

## 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.

## 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 receive the award.



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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.

COLLEGE OF THE DESERT ALUMNI  
ASSOCIATION SCHOLARSHIP FUND

ASSOCIATED STUDENTS COLLEGE OF  
THE DESERT SCHOLARSHIP PROGRAM

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

THOMAS A. DAVIS SCHOLARSHIP

COLLEGE OF THE DESERT  
FACULTY WOMENS CLUB  
SCHOLARSHIP FUND

EVELYN FOX MEMORIAL  
SCHOLARSHIP FUND  
FOR DISABLED STUDENTS

COLLEGE OF THE DESERT  
FRENCH CLUB 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

ANGELA MARINO MARTINO  
MEMORIAL SCHOLARSHIP

JEAN MASTERS  
SCHOLARSHIP FUND

ROY AND VELMA MCCALL  
SCHOLARSHIP

PEARL MCMANUS  
SCHOLARSHIP FUND

DONALD MITCHELL  
PERPETUAL SCHOLARSHIP

MATTEO MONICA II  
MEMORIAL SCHOLARSHIP

OLAF NORDLAND  
MEMORIAL SCHOLARSHIP

EDWARD RAFFERTY  
SCHOLARSHIP FUND

RANCHO MIRAGE WOMENS CLUB  
SCHOLARSHIP FUND

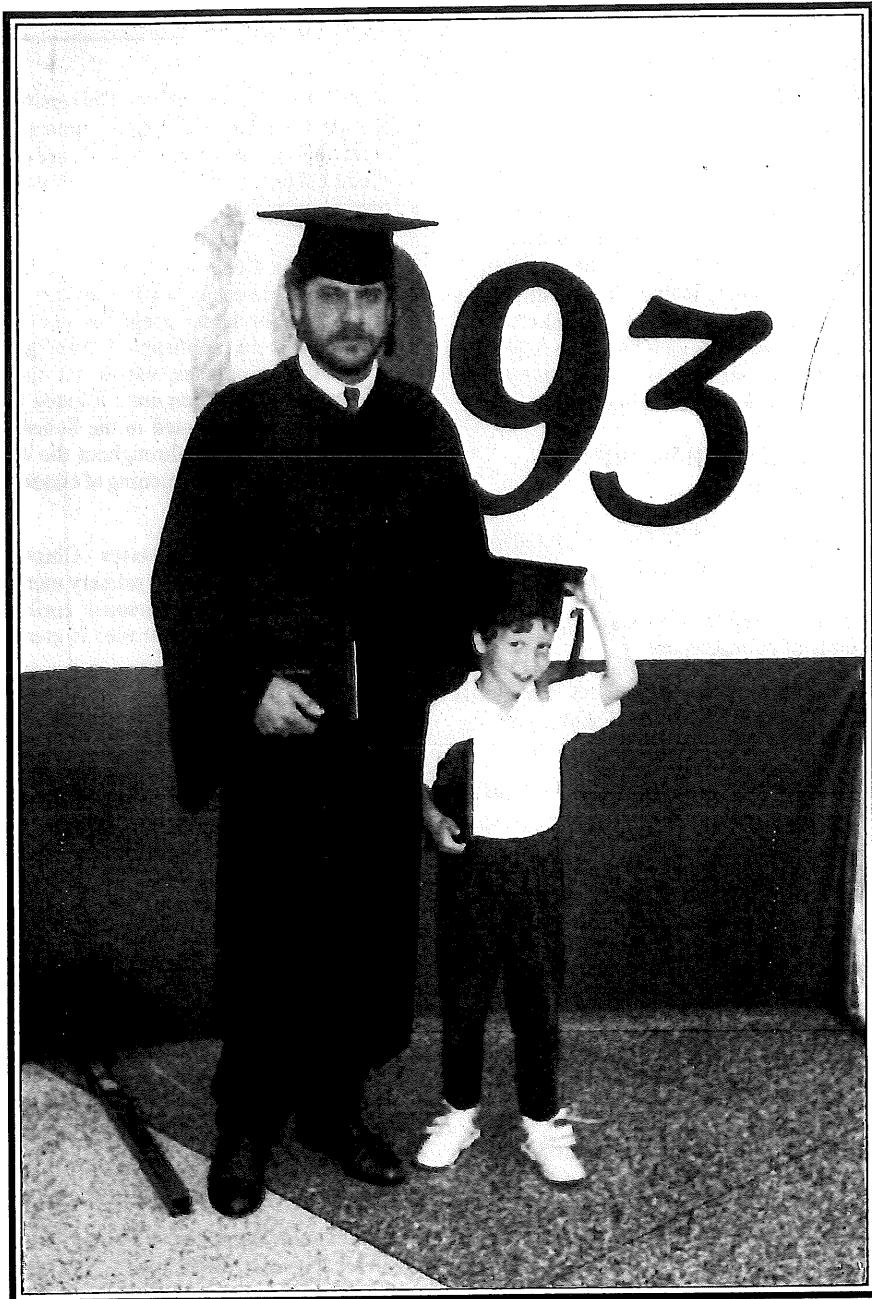
BETTY LEE SPEAKMAN/  
TRI PALM WOMENS CLUB  
SCHOLARSHIP

HELEN K. STALEY  
SCHOLARSHIP FUND

UNIVERSITY CLUB OF THE DESERT  
SCHOLARSHIP PROGRAM

WOMENS CLUB OF THE DESERT  
SCHOLARSHIP PROGRAM

In addition to the scholarship programs listed, the College of the Desert is fortunate to assist in the coordination and delivery of a large 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.



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# ACADEMIC INFORMATION

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## 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. The Academic Regulations Committee forms are available from the office of the Dean of Students.

## 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 completed all graduation requirements 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/CLASSES

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, except for those in Developmental Education are not listed in this catalog, but will be printed in the Schedule of Classes and distributed throughout the district several weeks before the opening of classes each semester.

**3. Community Services 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 56 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.

## 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.

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## PREREQUISITES FOR COURSES

Complete course prerequisites are listed in this catalog in the course description section. Space limitations prevent the listing of all prerequisites for all classes in the class schedule. Prerequisites are intended to ensure students a reasonable chance of success. Prerequisite requirements must be met before enrollment is permitted. Questions regarding course eligibility should be discussed with your faculty advisor or counselor.

## UNIT OF CREDIT

The term "unit of credit" is a measure of time and study devoted to a course. Each hour of regular class per week, or three hours per week in a laboratory session for one semester, is considered one unit. Many courses are made up of a combination of regular class sessions and laboratory sessions.

## 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 are awarded but not counted in G.P.A.)	
NC	No Credit (less than satisfactory, or failing- units not counted in G.P.A.)	

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.

## NON-EVALUATION SYMBOLS

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

### (I) INCOMPLETE

Incomplete (I) - is a temporary mark assigned when the instructor determines that for compelling reasons a student has been unable to complete course requirements by the designated ending date of the course.

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 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 instructor's permanent record.

For credit to be granted, the incomplete must be made up before the end of the following semester. In unusual circumstances the student may petition the instructor for a one-semester extension.

### (IP) IN PROGRESS

In Progress (IP) 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

Report Delayed (RD) 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

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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.

### **WITHDRAWAL**

Withdrawal (W) 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. Students who withdraw after the 75 percent point in a term are assigned a grade. If there are extenuating, documented circumstances such as an accident, hospitalization, or other conditions beyond the student's control, the student may petition to receive a "W." 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".

### **GRADING RESPONSIBILITY**

The designated student grade responsibility date shall occur on the last day of the fourteenth week of instruction or at the seventy-fifth percent point of a semester or session, whichever is less. The academic record, transcript, of students who remain in class beyond the fourteenth week of instruction or the seventy-fifth percent point in a session must receive a grade of A, B, C, D, F, CR or NC.

Where verified cases of extenuating circumstances exist, students or their representative 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) or 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.

### **GRADES - CHANGES**

All grades become a part of the student's permanent records. No changes shall occur except as provided by Title 5, California Administrative Code, Section 55760: "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 55758 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."

The instructor of record has the right to issue a letter grade to a student. Once a grade has been given, that grade is final except as indicated in the preceding paragraph.

### **GRADES - CHANNELS OF APPEAL**

1. The student shall first attempt to solve the problem with the instructor involved.
2. If no solution is reached with step 1, the division chairperson shall be consulted.
3. If the problem is not solved with steps 1 and 2, the student will submit in writing to the Director of Admissions all pertinent information concerning the dispute and request a formal hearing. A committee shall be formed to hear both sides of the issue and render a decision. The committee will consist of the Director of Admissions, the division chairperson, and one additional faculty member from a department not involved in the dispute.
4. The decision of the committee may be appealed to the Vice-President of the Educational Services.
5. The decision of the Vice-President may be appealed to the President of the College.
6. Following a decision by the President, the student also has the option of further appeal to the Board of Trustees. The decision of the Trustees is final.

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## GRADE CHANGE PROCEDURE

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) INCOMPLETE: (Section 55758)

**DEFINITION:** Incomplete academic work for unforeseeable, emergency and justifiable reasons at the end of the term shall 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.

The District Board shall provide a process whereby a student may petition for a time extension due to unusual circumstances.

- (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 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. Other symbols used are IP (In Progress) and RD (Report Delayed).

### 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.

Course	Units	Grade	Grade Points	
			Per Unit	For Class
ENG 51	3	C	2	6
PE	2	A	4	8
Health 1	3	D	1	3
NR 1	3	B	3	9
NR 1L	1	B	3	3
History 1	3	C	2	6
<b>Totals</b>	<b>15</b>			<b>35</b>

Total grade points (35), divided by Total Units (15), equals Grade Point Average (2.33) GPA.

### 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

To recognize academic accomplishment, students completing associate degree programs with prescribed cumulative grade point averages are recognized through the college commencement exercises and diplomas awarded as honor students.

Academic honors are as follows:

Honor	GPA
Highest Honors	3.90 - 4.00
High Honors	3.75 - 3.89
Academic Distinction	3.50 - 3.74

### ADMISSION, PROBATION, DISMISSAL, AND READMISSION

Admission, probation, dismissal, and readmission policies and procedures are designed to assist students in making progress toward realistic academic, career, and personal goals. Admission to designated instructional programs, as identified by the college, is conditional until complete official transcripts have been received from institutions attended previously.

### 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.

A student who has enrolled in a total of at least twelve (12) semester units, as shown by the official academic record, shall be placed on progress probation when the percent of all units in which the student has enrolled and for which entries of "W," "T" and "NC" are recorded 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

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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-advisor 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 DISMISSAL**

A student on academic probation shall be subject to dismissal if in each of three consecutive semesters the student's cumulative grade average is below 1.75 in all units attempted which were graded according to the established district grading scale.

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

### **NOTIFICATION OF DISMISSAL**

The college shall make a reasonable effort to notify a student subject to dismissal at or near the beginning of the semester in which the dismissal will take effect but no later than the start of the fall semester. A student subject to dismissal has the right of appeal. An exception to dismissal 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 Registrar.

### **READMISSION**

A student applying for readmission shall not be reinstated until a minimum of one semester has

elapsed since dismissal. A student applying for readmission must submit a written request to the Registrar's Office. The request shall explain what circumstances or conditions would justify readmission. A student who is readmitted shall receive individual counseling to assess his or her academic and career goals. Prior to registration, a readmitted student must have counselor-advisor approval of his or her educational program.

### **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, 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.



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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.

### **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.

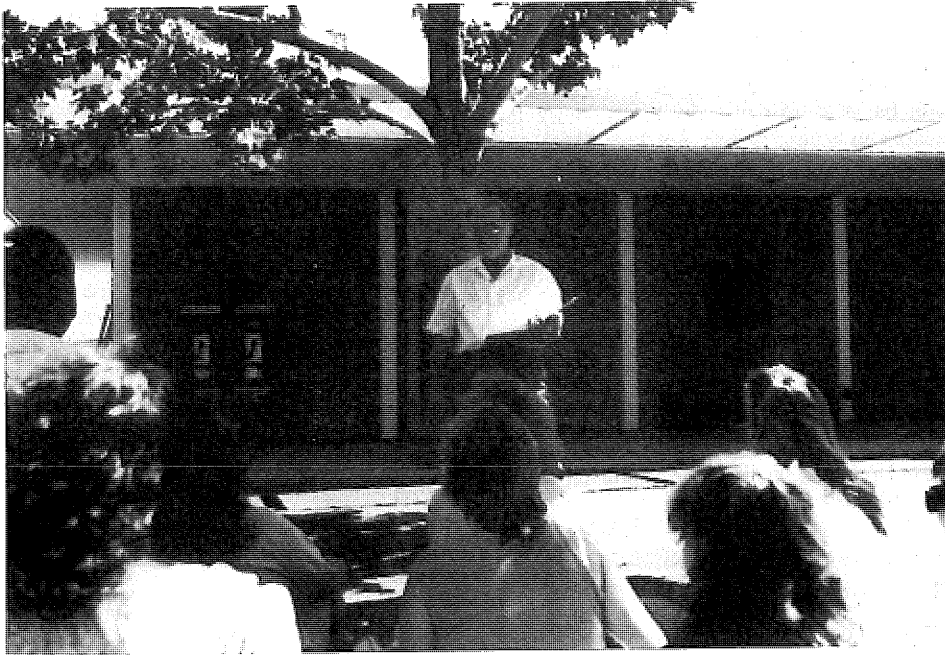
### **CREDIT BY EXAMINATION**

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 allowed in selected courses only.

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.

The PETITION FOR CREDIT BY EXAMINATION is available in the Admissions Office. This petition 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.

A maximum of 30 semester units of credit is given to the general exams of the CLEP (College Level Examination Program) with scores at the 50th percentile or higher. Credit awarded is reduced if the student has previous college credit in general education courses. CLEP credit does not excuse the student from meeting proficiency requirements in reading, writing, and mathematics.

### **CREDIT FOR ADVANCED PLACEMENT EXAMINATION**

College of the Desert grants credit toward its degrees for successful completion of examinations of the Advanced Placement Program of the College Board (CEEB). Students who present scores of three or better will be granted college credit for each advanced placement course toward graduation. However, the English 1A requirement cannot be satisfied by the examination.

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 obtain credit for advanced placement, students should contact the Registrar's Office.

### **INDIVIDUAL STUDY PROJECTS (1-3 units)**

Available to students carrying six or more units.  
This course can be taken in any subject area and

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is designed as course number 49 A, B, C (1, 2, & 3 units respectively); for example: Business 49, Radio/Television 49, History 49, and provides an opportunity for the student to work closely with the instructor in order to encourage the student to extend his or her knowledge and understanding of the course of study. The exact nature of the individual assignment depends upon the special interest of the student and the instructor. A maximum of six units of individual study is accepted toward the A.A. and A.S. Degree.

The instructor of an individual study project must submit an Individual Study Project application through his or her division chairperson to the appropriate Dean prior to allowing a student to undertake work. Students may register for approved projects up until the beginning of the eleventh week of the semester.

### **DEPARTMENTAL SEMINARS (1-3 Units)**

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.

The instructor of a proposed seminar must submit a Seminar Application through the division

chairperson to the appropriate Dean prior to advertising and scheduling a seminar.

### **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 all work remains 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 repeat a course a second time in which a grade of D, F, or NC has been received two times are available in the Admissions and Records Office. Students should apply prior to advisement and registration to allow the Academic Regulation Committee sufficient time to review the merits of the request.

### **REPEATING COURSES, GRADES OF "C" OR BETTER**

A student is not eligible to repeat a course which he or she has completed with grades 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 and credits awarded for repeated courses are not counted in calculating a student's grade

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point average or cumulative credits. 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 are encouraged to apply prior to advisement and registration to allow time for Academic Regulation Committee review.

### **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. To be official, all program changes must be filed by the student in the Admissions Office.

Students are held accountable for every course for which they have registered. To become official, ANY WITHDRAWAL FROM COLLEGE OR WITHDRAWAL FROM A CLASS MUST BE MADE BY APPLICATION PROPERLY COMPLETED AND FILED IN THE ADMISSIONS OFFICE; otherwise, the student may receive a grade of "F" for all courses.

### **STUDENT CONDUCT**

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 should be guilty of unbecoming conduct, or should neglect academic duties, or academic dishonesty, the College authorities will take such action as the particular offense requires. The scope of College disciplinary actions are: (a) informal reprimand, (b) formal reprimand, (c) administrative probation, (d) a definite period of suspension, (e) an indefinite period of suspension, and (f) expulsion.

### **STUDENT RESPONSIBILITY**

Each student is responsible for compliance with the regulations printed in this catalog and with other social notices distributed through the campus. Class schedule information is considered as supplementary to the college catalog and is also an official statement of policy.

### **STUDENT GRIEVANCE**

If a student has 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) 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 equivalent, who shall, after conferring with the student, call

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either an informal or formal hearing according to the wishes of the student, within ten (10) school days.

1. An informal hearing will be held 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 advocate, the accused and his/her advocate, the Dean of Students, a divisional chairperson from the division of the accused, and four (4) neutral faculty members, two (2) selected by the student, and two (2) by the accused. If the results of either the informal or the formal hearing are not satisfactory to the accuser, further appeal will be as follows:

D. Desiring further appeal, the student shall, within ten (10) school days, bring the matter to the Vice President of Educational Services who will render a decision within ten (10) school days.

E. Desiring further appeal, the student shall, within ten (10) school days, go to the College President, who shall then render a decision within ten (10) school days.

F. Desiring further appeal, the student shall, within ten (10) school days, then go to the Board of Trustees for a final decision to be made within thirty (30) school days.

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

#### **ATTENDANCE AT FIRST CLASS**

It is extremely important for a student to attend the first class meeting after registration since instructors may drop students who do not appear for the first meeting in order to make room for others who may desire to take the class. If a student is dropped as a "no-show" for non-attendance, 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 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 student 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 and Relations 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 and Relations.

#### **PHYSICAL EDUCATION REQUIREMENT**

Completion of a Physical Education activity or course is required in each of the first two semesters in which a student is enrolled in nine units or more.

#### **SCHEDULE OF CLASSES**

The College reserves the right to make additions or deletions to the list of course offerings during the year or to cancel those sections in which

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enrollment is insufficient. The Schedule of Classes each semester is the official list of courses offered.

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 of such class, (subject to maximum enrollments), and who is otherwise eligible for admission to and enrollment in the college.

### **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. 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.

### **TRANSFERRED COURSEWORK**

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 or credential evaluation services.

### **CATALOG REQUIREMENTS UNDER WHICH A STUDENT GRADUATES**

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 elect to meet the requirements in effect at College of the Desert either:

1. at the time of entrance,
2. during the time of attendance, or
3. at the time of 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.

### **ASSOCIATE DEGREE REQUIREMENTS FOR NON-TRANSFERRING STUDENTS**

The Associate in Arts Degree and Associate in Science Degree are not automatically awarded when a student completes the requirements. The student must file a request for evaluation in the Admissions 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 units must have been completed before an evaluation can be initiated (12 units completed for a certificate evaluation). Once it has been determined that a student is eligible for graduation, an "Intent to Graduate" form must be completed. The deadline to receive this form is the first Monday in November for the Fall Semester, and the first Monday in April for the Spring Semester.

Students may be graduated from College of the Desert with the Associate in Arts or the Associate in Science degree upon meeting the following requirements:

**A. Satisfactory completion of 60 units of collegiate work with a C (2.0) grade point average in a curriculum which the District accepts toward the degree. At least 12 units must be earned at College of the Desert.**

**B. Major (Minimum of 18 units) - complete one of the degree programs listed in the Programs Information section of this catalog.**

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

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

Anthropology 1  
 Astronomy 1, 1L  
 Biology 1A, 1B, 1C, 4, 4L, 15, 21, 22, 23  
 Chemistry 1A, 1B, 3, 4  
 Conservation of Natural Resources (NR 1, 1L)  
 Entomology (AgPS 2)  
 Geography 1, 1L  
 Geology 1, 1L, 2, 5, 10, 10L  
 Horticulture (OH 1, 1L)  
 Physics 1, 2A, 2B, 4A, 4B  
 Plant Science (AgPS 5, 5L)

**2. Social and Behavioral Sciences - (3 units minimum) selected from the following courses:**

Agri-Business 3  
 Anthropology 2, 3  
 Economics 1, 2, 11  
 Geography 2, 7  
 History 1, 2, 17, 18  
 Mass Communication 1  
 Philosophy 13  
 Political Science 1, 2, 4  
 Psychology 1, 3, 10, 20, 33  
 Sociology 1, 2, 10, 14.

**3. Humanities - (3 units minimum) selected from the following courses:**

Art 2A, 2B, 2C, 3A, 10, 12, 13  
 English 1B, 3B, 10AB, 11AB, 12AB, 14, 15, 16, 18, 22, 31, 32, 35  
 Foreign Language  
 French 1, 1A, B, 2, 2A, B, 3, 4, 8A, B, 40A, B

German 1, 1A, 1B, 2, 2A, B, 40A, B  
 Italian 1, 1A, B, 2, 2A, B, 3, 4, 40A, B  
 Japanese 1A, B, 2A, B  
 Russian 1A, 1B, 2A, B  
 Spanish 1, 1A, B, 2, 2A, B, 3, 4, 5, 6, 8A, B, 40A, B

Music 1A-D, 2A-D, 3AB, 4, 10, 12, 15, 36A-D  
 Philosophy 6, 7, 8, 9, 12, 13, 14  
 Theatre Arts 1, 2A-D, 8A-D, 10AB, 32, 69AB

**4. Language and Rationality - (6 units minimum):**

a) English Composition (3 units minimum) selected from: English 1A, 3A. ESL 1A

b) Communication and Analytical Thinking (3 units minimum) selected from:

Computer Languages & Programming: (BUCS) 75, 76, 81, 83  
 Humanities 1  
 Math 1AB, 5, 10, 12, 13, 14, 40  
 Philosophy 10, 11, 15  
 Soc 3, 4  
 Speech 1, 4, 5, 7, 15

**5. Elective - (3 units minimum) selected from Areas 1, 2, 3 or 4 above.**

**D. Physical Education Activity Requirement**

In addition to the above, students must complete two semesters of Physical Education activity or courses.

**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 satisfying one of the following:

1. Achieve a score of 85 or higher on the College Placement Test; or,
2. Pass with a grade of "C" or better, Rdg 51 - Analytical Reading.

**Writing Competency:** All students earning an Associate in Arts Degree or an Associate in Science Degree must demonstrate a writing

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proficiency at the collegiate level by passing with a grade of "C" or better one of the following courses: English 1A, English 3A, or ESL 1A.

**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 or better than Math 40.

Note: Please check with your counselor or academic advisor for possible changes in AA/AS degree requirements.

### **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. Students must file an "Intent to earn Certificate" in the Admissions Office during the semester in which they are completing the requirements. The certificate requires fewer than 60 units of college work as indicated in departmental listings elsewhere in this catalog. 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.

### **REQUIREMENTS FOR STUDENTS WHO PLAN TO TRANSFER TO A BACCALAUREATE DEGREE GRANTING INSTITUTION**

Students who plan to transfer to another institution of higher learning should consult with an

advisor or counselor early in their first semester of enrollment at College of the Desert.

The Associate Degree for these students requires completion of substantially all the lower division requirements of the major listed in this catalog and/or in the catalog of the transfer institution at which the student expects to receive the Baccalaureate Degree. Academic advisors assigned to students will review the students' progress in the pre-major and determine when these requirements have been met. A minimum of a 2.00 cumulative G. P. A. is required in the courses included in the pre-major field.

Students must also complete a minimum of 39 units of General Education as described under General Education Requirements. Students seeking the transfer degree must also meet the competency requirements in Reading, English and Math as well as following the same procedures for requesting a degree evaluation as stated for non-transferring students.

### **ADDITIONAL ASSOCIATE DEGREES**

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.

### **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. 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 counselor.)



A student may fulfill the history/government requirement by completion of one course from each of the areas below (I and II) - except that no student may meet the requirement by examinations alone.

**I. Historical Development of American Institutions and Ideals**

- A. History 17
- B. History 18

**II. Federal, State and Local Government**

- A. Political Science 1

**CALIFORNIA STATE UNIVERSITY  
GENERAL EDUCATION  
CERTIFICATION COURSE PATTERN**

Each candidate for the Bachelor's Degree from a CSU Institution is required to complete a pattern of general education courses which total a minimum of 48 semester units. Thirteen courses in this pattern may be taken at College of the Desert. The remaining courses must be completed at the campus granting the Bachelor's degree. Applicable College of the Desert courses:

**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**

- 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**

- ENG 1A Composition (4)
- ENG 3A Freshman Composition I (3)
- ESL 1A Composition Skills (4)

**A-3. CRITICAL THINKING**

- 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. SCIENCES**

- A 1 Descriptive Astronomy (3)
- A 1L Desc. Astronomy Lab (3)
- 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 10 Earth Science (3)
- G 10L Earth Science Lab (1)
- GEOG 1 Physical Geography (3)
- GEOG 1L Physical Geography Lab (1)
- PH 1 Basic Physics (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**

- MATH 1A,1B Calc w/Anal Geom (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)

\*CSU approval pending

**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)**

ART	2A,B	History of Art (3)(3)
ART	2C	Hist. of Modern Art (3)
ART	3A	Basic Design / Color(3)
ART	10	Intro to Art (3)
ART	13	Hist. of Photography (3)
HUM	18	Intro to Art & Music (3)
MUS	3A,B	Hist & Lit of Music (3) (3)
MUS	10	Intro to Music (3)
MUS	11A,B	Survey of Music Lit(3)(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-D	Acting (3-3-3-3)
TA	8A	Theatre Graphics (3)

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

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	18	Introduction to Poetry (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)
HUM	5A*	Humanity & Environment (3)
HUM	5B*	Humanity & Environment (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)

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)
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)
RUSS	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)
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**

AGBU	3*	Internat'l Agriculture (3)
ECON	1	Prin of Macroeconomics (3)
ECON	2	Prin of Microeconomics (3)
ECON	11	Internat'l Econ Relations (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)
SOC	10	Marr/Fam-Soc Approach (3)

**D-5. GEOGRAPHY**

GEOG	2	Cultural Geography (3)
GEOG	7	Regional Geography (3)

\*CSU approval pending

**D-6. HISTORY**

HIST	1	Hist Westrn Civilization (3)
HIST	2	Hist Westrn Civilization (3)
HIST	17	U.S. History (3)
HIST	18	U.S. History (3)

**D-7. INTERDISCIPLINARY SOCIAL OR BEHAVIORAL SCIENCE**

MC	1	Mass Media in Amer Cult (3)
HUM	5A*	Humanity & Environment (3)
HUM	5B*	Humanity & Environment (3)

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

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	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)
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	33	Personal/Soc Adjustment (3)
SOC	10	Marr/Fam Soc Approach (3)

**UC AND CSU TRANSFER CURRICULUM INTERSEGMENTAL GENERAL EDUCATION (IGETC)**

The Intersegmental Committee of the Academic Senates recently approved the Intersegmental

General Education Transfer Curriculum (IGETC) which was implemented Fall 1991. The IGETC is a series of courses that community college students can use to satisfy lower division general education requirements at any CSU or UC campus. The IGETC will provide an option to the California State University General Education Requirements and will replace the University of California Transfer Core Curriculum.

It is important to note that, since the IGETC supersedes the UC Transfer Core Curriculum (TCC) option, new students (those entering Fall 1991 and after) need to complete the IGETC. However, for continuing students who have been following the Transfer Core Curriculum requirements, the University of California will honor the TCC policy through Spring, 1993.

The Intersegmental General Education Transfer Curriculum will permit a student to transfer from a community college to a campus in either the California State University or the University of California system without the need, after transfer, to take additional lower-division, general education courses to satisfy campus G.E. requirements.

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.

The latest information on IGETC was not available at time of publication of this catalog. Students seeking more information should visit the counseling center.

**CALIFORNIA ARTICULATION NUMBER (CAN)**

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

\*CSU approval pending

participating campuses. The CAN is not a common numbering system. Each campus retains it's own course numbers and titles. The CAN (e.g. CAN ENGL 2) is listed parenthetically at the end of the catalog course descriptions. A list of participating colleges and universities is available in the Counseling Center.

CALIFORNIA  
ARTICULATION  
NUMBER (CAN):

COLLEGE OF  
THE DESERT  
COURSES:

CAN ANTH 2	ANTH 1, Human Evolution	CAN HIST SEQ B	HIST 17+18, United States History
CAN ANTH 4	ANTH 2, Cultural Anthropology	CAN H EC 2	HEC 13, General Nutrition
CAN ANTH 6	ANTH 3, Introduction to Archeology	CAN H EC 4	IDSN 10, Contemporary Housing & Interiors
CAN BUS 8	BUMA 20A, Business Law	CAN H EC 6	CT 10, Textiles: Fiber to Filament
CAN CHEM SEQ A	CH 1AB, General Chemistry	CAN H EC 10	CT 16A, Clothing Construction
CAN ECON 2	ECON 1, Principles of Macroeconomics	CAN H EC 12	ECE 12, Child, Family & Community
CAN ECON 4	ECON 2, Principles of Microeconomics	CAN H EC 14	ECE 10A, Child Growth & Development
CAN ENGL 2	ENG 1A, Composition	CAN H EC 20	FM 20, Apparel Analysis
CAN GEOG 2	GEOG 1, Physical Geography	CAN JOUR 2	J 3A, News Reporting/ Writing
CAN GEOG 4	GEOG 2, Cultural Geography	CAN MATH 18	MATH 1A, Calculus with Analytic Geometry
CAN GEOL 2	G1 Physical Geology +Physical Geology Lab	CAN MATH 20	MATH 1B, Calculus with Analytic Geometry
CAN HIST 2	HIST 1, History of Western Civilization	CAN MATH 22	MATH 2A, Calculus with Analytic Geometry
CAN HIST 4	HIST 2, History of Western Civilization	CAN PHIL 2	PHIL 6, Introduction to Philosophy
		CAN PHYS SEQ A	PH 2A+2B, College Physics
		CAN PSY 2	PSY 1, Gen. Psychology
		CAN SOC 2	SOC 1, Introductory Sociology
		CAN SOC 4	SOC 2, Sociological Analysis Soc. Problems

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## DCCD DEGREES and CERTIFICATES

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(CMC) refers to programs and majors offered at the Copper Mountain Campus.

MAJOR	CERTIFICATE	DEGREE
Administration of Justice (CMC) .....	X	A.S.
<b>Agriculture</b>		
Agri-Business .....		A.S.
Agriculture, General .....		A.S.
Agricultural Mechanics .....	X	A.S.
Diesel Mechanics .....	X	
Natural Resources or Environmental Sciences .....		A.S.
Ornamental Horticulture .....	X	A.S.
Turfgrass Management .....	X	A.S.
Plant Science .....		A.S.
<b>Allied Health</b>		
Emergency Medical Technician .....	X	
Vocational Nursing (VN) (CMC) .....	X	A.S.
Associate Degree Nursing (ADN) (CMC) .....		A.S.
Respiratory Therapy .....		A.S.
<b>Art</b> .....		A.A.
<b>Business</b>		
Accounting .....	X	
Administrative Assistant/Secretary (CMC) .....	X	A.A.
Business Administration (CMC) .....		A.A.
Computer Science (CMC) .....	X	A.A.
Economics .....		A.A.
Escrow .....	X	
Finance .....	X	A.A.
General Business (CMC) .....		A.A.
Golf Management .....	X	A.A.
Hotel/Motel Management .....	X	
Office Technician (CMC) .....	X	A.A.
Real Estate (CMC) .....	X	A.A.
Restaurant Management .....	X	
Supervision & Management .....	X	A.A.
Word/Information Processing .....	X	A.A.
<b>Communication</b>		
Communication .....		A.A.
English/Composition (CMC) .....		A.A.
English/Literature .....		A.A.
Journalism .....		A.A.
Mass Communication .....		A.A.
Speech .....		A.A.
<b>Culinary Arts</b>		
Basic Culinary Arts .....	X	
Intermediate Culinary Arts .....	X	
Culinary Management .....	X	A.A.
<b>Engineering/Technology</b>		
Air Conditioning & Refrigeration .....	X	A.S.

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MAJOR	CERTIFICATE	DEGREE
<b>Engineering/Technology (Continued)</b>		
Automotive Technology (CMC) .....	X	A.A.
Brakes & Chassis (CMC) .....	X	
Electrical & Tune-up (CMC) .....	X	
Engineering Technology .....		A.S.
Welding .....	X	
<b>Environmental Design</b>		
Architectural Technology .....	X	A.S.
Architecture .....		A.S.
Building Inspection Technology .....	X	
Construction Management .....	X	A.S.
General Drafting .....	X	A.A.
Industrial Technology-Construction .....		A.S.
Interior Design .....		A.A.
<b>Fashion/Clothing and Nutrition</b>		
Apparel Design and Production .....	X	A.A.
Nutrition Care: Dietetic Technician .....		A.A.
<b>Fire Science</b> .....	X	A.S.
<b>Foreign Language</b>		
French, German, Italian, Spanish .....		A.A.
<b>Health, Physical Education and Recreation</b>		
Physical Education .....		A.A.
Recreation .....		A.A.
<b>Human Services</b>		
Alcohol/Drug Studies .....	X	A.A.
Early Childhood Education .....		A.A.
Early Childhood Educ-Title 22 Teacher Cert. (CMC) .....	X	
Early Childhood Ed-Title 22 Supervision Cert. (CMC) .....	X	
Early Childhood Ed-Title 5 Supervision Cert. .....	X	
Early Childhood Ed-Licensed Family Child Care Cert. ....	X	
<b>Liberal Arts (CMC)</b> .....		A.A.
<b>Mathematics</b> .....		A.S.
<b>Music</b> .....		A.A.
<b>Science: Biological, Chemical &amp; Physical</b>		
Biology .....		A.S.
Chemistry .....		A.S.
Environmental Sciences or Natural Resources .....		A.S.
Geology .....		A.S.
Interdepartmental Environmental Studies .....		A.S.
Physics .....		A.S.
<b>Social Science</b>		
Anthropology .....		A.A.
Geography .....		A.A.
History .....		A.A.
Philosophy .....		A.A.
Political Science .....		A.A.
Psychology (CMC) .....		A.A.
Social Science .....		A.A.
Sociology .....		A.A.
<b>Theatre Arts</b> .....		A.A.

# DEGREE AND CERTIFICATE PROGRAMS

## 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

Preparation for Employment and Certificate 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	5	Community Relations .....	3
AJ	6	Principles of Investigations .....	3

AJ	8	Concepts of Enforcement Serv. ....	3
AJ	9	Traffic Control .....	3
AJ	10	Juvenile Law and Procedure ....	3
AJ	11	Firearms .....	1
CERTIFICATE TOTAL* .....			27-29

\*With Department Chairperson's Approval

Advisor: Walker, Miller/Rogers - CMC

## ADMINISTRATION OF JUSTICE

Preparation for Employment and A.S. Degree

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	5	Community Relations .....	3

### ELECTIVES:

AJ	6	Principles of Investigations .....	3
AJ	7	Criminal Substantive Law .....	3
AJ	8	Concepts of Enforcement Services .....	3
AJ	9	Traffic Control .....	3
AJ	10	Juvenile Law and Procedure ....	3
AJ	11	Firearms .....	1
AJ	14	Crime Scene & Laboratory Techniques .....	3
AJ	15	Vehicle Code & Traffic Accident Investigation .....	3
AJ	16	Narcotics Control .....	3
AJ	17	Wildlife Law Enforcement ....	3
AJ	18	Constitutional Law for Police ..	3
AJ	19	Peace Officers: Arrest/Firearms .....	3
AJ	20	Peace Officers Reserve - Module B - Level II .....	3
AJ	22	Police Supervision .....	3

Required Subtotal .....	24
Elective Subtotal .....	18
General Education Subtotal .....	<u>18</u>

DEGREE TOTAL ..... 60

Advisor: Walker, Miller/Rogers - CMC

### ADMINISTRATION OF JUSTICE

Preparation for Transfer to a Four-Year College and/or A.S. Degree

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 5	Community Relations .....	3

#### ELECTIVES:

AJ 6	Principles of Investigations .....	3
AJ 7	Criminal Substantive Law .....	3
AJ 8	Concepts of Enforcement Serv .....	3
AJ 9	Traffic Control .....	3
AJ 10	Juvenile Law and Procedure .....	3
AJ 11	Firearms .....	1
AJ 14	Crime Scene and Lab Tech .....	3
AJ 15	Vehicle Code & Traffic Accident Investigation .....	3
AJ 16	Narcotics Control .....	3
AJ 19	Peace Officers: Arrest/Firearms .....	3
AJ 20	Peace Officers Reserve - Module B - Level II .....	3
AJ 22	Police Supervision .....	3
Required Subtotal .....	24	
General Education Subtotal .....	<u>39</u>	

DEGREE TOTAL ..... 63

Advisor: Walker, Miller/Rogers - CMC

## 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

#### AGRICULTURAL MECHANICS

#### DIESEL MECHANICS

#### 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



**AGRI-BUSINESS**

Occupational A.S. Degree

Courses Required:

Dept.	No.	Title	Units
AGBU	5	Microcomputer Applications ...	3
AGBU	7	Adv Microcomputer Appl .....	2
AGBU	11	Management Records .....	3
AGBU	59	Ag Experience .....	2
AGPS	1	Soils & Plant Nutrition .....	3
ECON	1	Principles of Macroeconomics .	3

Required Subtotal .....	16
Elective Subtotal (with advisor approval) ...	26
General Education Requirements (confer with advisor) .....	18
<b>DEGREE TOTAL .....</b>	<b>60</b>

Advisor: Walker

**AGRI-BUSINESS**

A.S. Degree & Preparation for Transfer

Courses Required:

Dept.	No.	Title	Units
AGBU	5	Microcomputer Applications ...	3
AGBU	7	Adv Microcomputer Appl .....	2
AGBU	11	Management Records .....	3
AGBU	59	Ag Experience .....	2
AGPS	1	Soils & Plant Nutrition .....	3
ECON	1	Principles of Macroeconomics .	3
BUMA	20A	Business Law .....	3

Required Subtotal .....	19
Elective Subtotal (with advisor approval) ...	14
General Education Requirements (confer with advisor) .....	27
<b>DEGREE TOTAL .....</b>	<b>60</b>

Advisor: Walker

**AGRICULTURE, GENERAL**

Occupational A.S. Degree

Courses Required - 32 units to be chosen from the following (with approval of advisor):

Dept.	No.	Title	Units
AGBU	5	Microcomputer Applications ...	3

AGBU	7	Adv Microcomputer Appl .....	2
AGBU	11	Management Records .....	3
AGBU	59	Ag Experience .....	2
AGEG	16	Basic Mechanical Skills .....	2
AGEG	43	Tractor Operations .....	3
AGEG	47	Basic Surveying .....	2
AGPS	1	Soils and Plant Nutrition .....	3
AGPS	2	Entomology-Gen & Applied ...	4
AGPS	5	Plant Science .....	3
AGPS	5L	Plant Science Lab .....	1
AGPS	22	Vegetable Crops and/or .....	2
AGPS	28	Crop Science Lab .....	2
AGPS	30	Ag Chem Application/Safety ...	4

Required Subtotal .....	32
Elective Subtotal (with advisor approval) ..	10
General Education Requirements* (confer with advisor) .....	18

\*To include:

NR 1 Conserv Natural Resources (3)

<b>DEGREE TOTAL .....</b>	<b>60</b>
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Advisor: Walker

**AGRICULTURAL MECHANICS**

Certificate Program

Courses Required - 30 units to be chosen from the following (with advisor approval):

Dept.	No.	Title	Units
AGEG	16	Basic Mechanical Skills .....	2
AGEG	28A	Basic Welding .....	2
AGEG	28B	Intermediate Welding .....	2
AGEG	43	Tractor Operations or OH 30 ...	3
AGEG	47	Basic Surveying .....	2
AGEG	91	Basic Hydraulics .....	2
DM	71	Car/Light Truck Diesel .....	2
AUTO	1	Auto Principles I .....	2
OH	30	Landscape Equipment .....	2
OH	31	Landscape Equipment Repair ..	2
OH	32	Landscape Engine Maint. & Repair .....	2
AGBU	5	Microcomputer Applications ...	3
AGBU	11	Management Records .....	3
AGBU	59	Ag Experience .....	2
AGPS	30	Ag Chem Application/Safety ...	4
Agriculture Electives .....			6
<b>CERTIFICATE TOTAL .....</b>			<b>30</b>

Advisor: Smith

**AGRICULTURAL MECHANICS**

Occupational A.S. Degree

Courses Required - 28 units to be chosen from the following (with advisor approval):

Dept.	No.	Title	Units
AGEG	16	Basic Mechanical Skills	2
AGEG	28A	Basic Welding	2
AGEG	28B	Intermediate Welding	2
AGEG	43	Tractor Operations	3
AGEG	47	Basic Surveying	2
AGEG	91	Basic Hydraulics	2
DM	71	Car/Light Truck Diesel	2
AUTO	1	Auto Principles I	2
OH	30	Landscape Equipment	2
AGBU	5	Microcomputer Applications	3
AGBU	11	Management Records	3
AGBU	59	Ag Experience	2
AGPS	30	Ag Chem Application/Safety	4

Required Subtotal	28
Elective Subtotal (with advisor approval)	14
General Education Requirements* (with advisor approval)	18

\*To include:

NR 1 Conserv Natural Resources (3)

DEGREE TOTAL	60
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Advisor: Smith

**DIESEL MECHANICS**

Certificate Program

Courses Required - 24 units to be chosen from the following (with advisor approval):

Dept.	No.	Title	Units
DM	65	Diesel Engine Accessories	2
DM	71	Car & Light Truck Diesel	2
AGEG	16	Basic Mechanical Skills	2
AGEG	28A	Basic Welding	2
AGEG	28B	Intermediate Welding	2
AGEG	43	Tractor Operations	3
AGEG	91	Basic Hydraulics	2
AGBU	5	Microcomputer Applications	3
AGBU	59	Ag Experience	2
AUTO	1	Auto Principles I	2

ELEC	30	Intro to Electronics	4
AUTO		Electives	6
		Electives (with advisor approval)	6
CERTIFICATE TOTAL			30

Advisor: Smith

**NATURAL RESOURCES**

Occupational A.S. Degree

Courses Required - 30 units to be chosen from the following (with advisor approval):

Dept.	No.	Title	Units
NR	1	Conserv of Natural Resources	3
NR	1L	Consrv Natural Resources Lab	1
NR	2	Introduction to Forestry	3
NR	2L	Intro to Forestry Lab	1
NR	3	Intro to Wildlife Mgmt	3
NR	3L	Intro to Wildlife Mgmt Lab	1
NR	41	Native Plants	1-4
NR		Field/Work Experience	3
AGBU	5	Microcomputer Applications	3
AGBU	11	Management Records	3
AGBU	59	Ag Experience	2
AGEG	16	Basic Mechanical Skills	2
AGEG	43	Tractor Operations	3
AGEG	47	Basic Surveying	2
AGPS	1	Soils & Plant Nutrition	3
AGPS	2	Entomology-Gen & Applied	4
AGPS	30	Ag Chem Application/Safety	4
OH	20	Landscape Construction	2

Required Subtotal	30
Elective Subtotal (with advisor approval)	12
General Education Requirements*	18

\*To include: AGPS 5 Plant Science (3)

DEGREE TOTAL	60
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Advisor: Walker

**NATURAL RESOURCES  
PARK TECHNICIAN OPTION**

Occupational A.S. Degree

Designed primarily for students enrolled at the Copper Mountain Campus or evening students at Palm Desert.

Courses Required - 24 units to be chosen from the following (with advisor approval):

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	2L	Intro to Forestry Lab	1
NR	3	Intro to Wildlife Mgmt	3
NR	3L	Intro to Wildlife Mgmt Lab	1
NR	41	Native Plants	1-4
AGBU	5	Microcomputer Applications	3
AGPS	1	Soils and Plant Nutrition	3
AGPS	2	Entomology-Gen & Applied	4
AGPS	30	Ag Chem Application/Safety	4
OH	8	Park & Landscape Mgmt	3
BI	4	Elements of Biology	3
BI	4L	Elements of Biology Lab	1
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 Elective			18
(with Advisor approval)			
General Education Requirements			18
DEGREE TOTAL			60

Advisors: Walker; Moon-CMC

**NATURAL RESOURCES**

A.S. Degree & Preparation for Transfer

Courses Required:

NATURAL RESOURCES or ENVIRONMENTAL SCIENCES

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			26-27

NATURAL RESOURCES - Electives: 18 units to be chosen from the following (with advisor approval):

(For Environmental Sciences additional courses, see Science Department listing.)

NR	2	Intro to Forestry	3
NR	2L	Intro to Forestry Lab	1
NR	3	Intro to Wildlife Mgmt	3
NR	3L	Intro to Wildlife Mgmt Lab	1
AGBU	5	Microcomputer Applications	3
AGBU	7	Adv Microcomputer Appl	2
AGBU	59	Ag Experience	2
AGEG	47	Basic Surveying	2
AGPS	1	Soils and Plant Nutrition	3
AGPS	2	Entomology-Gen & Applied	4
AGPS	30	Ag Chem Application/Safety	4
Elective Subtotal			18
General Education			18
(confer with advisor)			

DEGREE TOTAL 62-63

Advisor: Walker

**ORNAMENTAL HORTICULTURE**

Certificate Program

Courses Required:

Dept.	No.	Title	Units
OH	1	Horticulture	3
OH	1L	Horticulture Lab	1
OH	5	Ornamental Plant Id.	3
OH	9	Landscape Planning/Design	3
OH	20	Landscape Construction	2
OH	46	Landscape Irrig. System	3
AGPS	1	Soils and Plant Nutrition	3
AGPS	30	Ag Chem Application/Safety	4

AGBU 11	Management Records	3
AGBU 59	Ag Experience	2
AGEG 16	Basic Mechanical Skills	2

Required Elective ..... 1-3

CERTIFICATE TOTAL ..... 30-32

Advisor: Watling

**ORNAMENTAL HORTICULTURE**

Occupational A.S. Degree

Courses Required:

Dept. No.	Title	Units
OH 1	Horticulture	3
OH 1L	Horticulture Lab	1
OH 5	Ornamental Plant Id	3
OH 9	Landscape Planning/Design	3
OH 20	Landscape Construction	2
OH 46	Landscape Irrig. Systems	3
AGPS 1	Soils & Plant Nutrition	3
AGPS 2	Entomology-Gen. & Applied	4
AGPS 30	Ag Chem Application/Safety	4
AGBU 11	Management Records	3
AGBU 59	Ag Experience	2
AGEG 16	Basic Mechanical Skills	2
AGEG 43	Tractor Operations	3
<b>OR</b>	OH 30 (2)	

Required Subtotal ..... 35-36

Electives - 10 units to be chosen from the following (with advisor approval):

OH 4	Turfgrass Management	3
OH 5	Ornamental Plant Id	3
OH 10	Advanced Landscape Design	3
NR 41	Native Plants	4
AGBU 5	Microcomputer Applications	3
AGEG 47	Basic Surveying	2
ART 3A	Basic Design & Color	3
ARCH 1	Intro to Arch Professions	2
DRA 1	Technical Drafting I	3
DRA 5	Intro to Computer Aided Drafting/Design	2

Elective Subtotal ..... 10

General Education Requirements\* ..... 18

\*To Include: NR 1 (3)

DEGREE TOTAL ..... 63-64

Advisor: Watling

**ORNAMENTAL HORTICULTURE**

A.S. Degree & Preparation for Transfer

Courses Required:

Dept.	No.	Title	Units
OH	1	Horticulture	3
OH	1L	Horticulture Lab	1
OH	5	Ornamental Plant Id	3
OH	9	Landscape Planning/Design	3
OH	46	Landscape Irrigation System	3
AGPS	1	Soils & Plant Nutrition	3
AGPS	2	Entomology-Gen & Applied	4
AGBU	59	Ag Experience	2

Required Subtotal ..... 22

Required Elective (with advisor approval) ... 8

General Education Requirements ..... 30

DEGREE TOTAL ..... 60

Advisor: Watling

**TURFGRASS MANAGEMENT**

Certificate Program for Foremen

Courses Required:

Dept.	No.	Title	Units
OH	4	Turfgrass Management*	3
OH	20	Landscape Construction	2
OH	24	Adv Turfgrass Mgmt	2
OH	30	Landscape Equipment	2
OH	32	Landscape Engine Maintenance & Repair	2
OH	46	Landscape Irrigation Systems	3
AGPS	1	Soils and Plant Nutrition	3
AGPS	71	Soils Discussion	1
AGPS	30	Ag Chem Application/Safety	4
AGEG	43	Tractor Operations	3
AGEG	28A	Basic Welding	2
AGEG	91	Basic Hydraulics	2
AGBU	5	Microcomputer Applications	3
AGBU	11	Management & Records	3

English or Spanish required as a second language, with instructor's approval ..... 4-6

\*OH 84 may be substituted but one unit of Special Problems will also be required to keep total units at three.

CERTIFICATE TOTAL ..... 39-41

Advisor: Robey

## TURFGRASS MANAGEMENT

Occupational A.S. Degree

Courses Required:

Dept.	No.	Title	Units
OH	4	Turfgrass Management	3
OH	24	Adv Turfgrass Mgmt	3
OH	25	Specialized Turfgrass Mgmt	3
OH	26	Turfgrass Internship 2	3
OH	27	Turfgrass Pest Management	3
OH	32	Landscape Equipment Maint & Repair	2
OH	46	Landscape Irrig. Systems	3
AGPS	1	Soils and Plant Nutrition	3
AGPS	5	Plant Science	3
AGPS	5L	Plant Science Lab	1
AGPS	30	Ag Chem Application/Safety	4
AGBU	59	Ag Experience	2
NR	1	Cons of Natural Resources	3

Required Subtotal ..... 33  
 Elective Subtotal (with advisor approval) ... 10  
 General Education Requirements ..... 20

DEGREE TOTAL ..... 63

Advisor: Robey

## PLANT SCIENCE

Occupational A.S. Degree

Courses Required - 30 units to be chosen from the following (with advisor approval):

Dept.	No.	Title	Units
AGPS	1	Soils & Plant Nutrition	3
AGPS	2	Entomology-Gen & Applied	4
AGPS	5	Plant Science	3
AGPS	5L	Plant Science Lab	1
AGPS	22	Vegetable Crops and/or	2
AGPS	28	Crop Science Lab	2
AGPS	30	Ag Chem Application/Safety	4
OH	1	Horticulture	3
OH	1L	Horticulture Lab	1
AGBU	5	Microcomputer Applications	3
AGBU	11	Management Records	3
AGBU	59	Ag Experience	2
AGEG	16	Basic Mechanical Skills	2
AGEG	43	Tractor Operations	3
AGEG	47	Basic Surveying	2

Required Subtotal ..... 30  
 Elective Subtotal (with advisor approval) ... 12  
 General Education Requirements\* ..... 18  
 \*To include: NR 1 (3)

DEGREE TOTAL ..... 60

Advisor: Walker

## ALLIED HEALTH

The Allied Health Division 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 nursing 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 allied health faculty, the Chairman of the Division, and the Dean of the School of Science and Technology.

College policy requires each student enrolled in health occupations 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.

## ASSOCIATE DEGREE NURSING PROGRAM

The Associate Degree Nursing Program is accredited by the California Board of Registered Nursing and the National League for Nursing. 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.

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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 Allied Health Division, 773-2578.

Vocational nurses successfully challenging the first year of the Associate in Science Degree in Nursing Program and meeting 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. 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.

## 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 life-long learning and professional development.

The faculty believe that nursing is a dynamic profession that is scientifically based and directed towards promoting, restoring and maintaining 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 critical thinking that is theoretically based, clinical competence, accountability and patient/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.

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. Education is the key to articulation between levels. We believe that learning is a life-long process involving external changes in behavior and internal changes in thought processes and attitudes.

Optimum learning occurs in a non-threatening, supportive environment in which frequent

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feedback is an essential element. Learning is maximized when a variety of instructional modalities are coordinated with students' specific learning needs. Learning involves active participation of both the student and the instructor. Nursing faculty serve as facilitators, catalysts, resource persons and role models.

### **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 the College. The nursing faculty endorses the institutional mission statement, which supports comprehensive educational opportunities for vocational instruction; challenged by a diverse, growing and energetic community dedicated to lifelong learning. Vocational Nursing is one of the allied health programs providing service to the community.

We believe that community college students vary widely with respect to their ethnic and cultural background, life experiences, learning styles, and developmental level. The college community provides the opportunity for students and faculty to participate in cultural exchange, encourages the examination and development of ideas through a balanced social forum and provides an environment for growth of the individual and the community. The nursing faculty believes in self-growth, including ongoing self-assessment and evaluation.

### **PHILOSOPHY OF MAN AND SOCIETY**

We believe that every person, regardless of race, creed, religion or culture is a unique individual and worthy of being treated with respect. Each person shares with all others, common human attributes and basic human needs, adapting to stresses and responding wholly as determined by the sum of his/her daily experiences. Man is a dynamic, holistic being who is continuously adapting to physical and psychosocial experiences. With varying degrees of success, individuals strive to attain optimal health and to achieve their full potential in life. We believe that health care is the right of every member of society and that vocational nurses are accountable to society for providing safe, competent health care services.

### **PHILOSOPHY OF LEARNING**

We believe that every person has an inherent potential for learning which is influenced by one's attitudes, values and self-esteem. Learning is the process by which one gains new insight, understanding, and ability through reinforcement, practice, and experience and occurs most readily when built upon a strong foundation of previous learning. We further believe that effective learning produces measurable behavioral change and is the responsibility of the individual learner facilitated by the faculty.

### **PHILOSOPHY OF NURSING EDUCATION**

We believe that nursing education is an active process of imparting knowledge and assisting in the facilitation of student learning. The nursing faculty utilizes a systematic problem-solving approach, that builds on previously learned knowledge from related disciplines. We believe that teaching is an ongoing process with interaction between the instructor and the student. The faculty selects strategies, organizes content, arranges experiences, and facilitates learning, taking into consideration cultural factors, ethnic background, and individual learning styles of students. We believe nursing is a technical, intellectual and unique process based on a philosophy of caring and scientific principles. The nursing process takes place at varying levels of complexity and is a systematic approach to nursing practice. It involves assessment of a person's

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current and potential health or health care needs. It includes planning, implementing, and evaluating nursing actions which alleviate, minimize, and prevent problems. Documentation is an integral part of the nursing process. It is the responsibility of the nurse to act as a role model and patient advocate while providing an environment conducive to maintaining dignity and maximizing wellness for each individual.

#### HEALTH CARE DELIVERY

We believe the health care delivery system is changing rapidly in response to societal demands, rapidly changing technology and increasing longevity. These changes are bringing about a collaborative level of interaction between health care workers and the consumer.

#### STATEMENT OF PURPOSE OF THE NURSING PROGRAM

The purpose of the Vocational Nursing program is to produce an entry level practitioner with the necessary knowledge, skills and attitudes to provide safe, competent nursing care and prepare students for eligibility to write the licensure examination.

#### OBJECTIVES

The graduate will:

1. Provide for basic health needs of patients in all age groups.
2. Assess patient's base line data; report and record information.
3. Plan, implement and evaluate patient care.
4. Administer medications and therapeutic procedures with knowledge of expected outcomes.
5. Maintain good communications and interpersonal relationships with patients, families and staff members.
6. Maintain a safe environment for patients and their families.
7. Initiate health teaching for patients and their families.
8. Utilize community agencies for meeting health needs of the patient.
9. Function at entry level as a member of the nursing team under the direction of a licensed physician or registered nurse.

#### CERTIFIED NURSING ASSISTANT

The Certified Nursing Assistant (CNA) 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. Upon the successful completion of the program a certificate is awarded by the College and graduates are eligible to write the state examination for certification as a nurse assistant.

The course of study includes 50 hours of classroom instruction and 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 50. Specific information regarding the program may be obtained by calling or writing to the Allied Health 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 eighty hours of classroom and laboratory instruction and also an additional twenty-four hour ambulance module. The ambulance module includes eight hours of instruction in ambulance operations and procedures, eight hours of supervised clinical experience in a general acute care hospital and eight hours supervised instruction on an operational ambulance.

Upon completion of the course, the student will receive a certificate that is valid for two years



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and which meets the requirements of the State of California and RCHD for emergency care. An EMT Refresher course is offered for certificate renewal when needed for an extension of the two years.

This program meets all criteria of the State of California and RCHD for the Emergency Medical Technician-I (ambulance) 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 Joint Review Committee for Respiratory Therapy Education (JRCTE) governed by the American Medical Association. 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 not only competent in the application of respiratory skills but also capable of delivering humanistic patient care. It is to this goal that the curriculum is designed and the following objectives established.

Upon completion of the Respiratory Therapy Program the student will:

1. Provide competent cardiorespiratory therapy to all patients requiring breathing assistance.
2. Test the cardiorespiratory function of patients for the purpose of diagnosis and assessment.
3. Assist patients in pulmonary rehabilitation programs.
4. Provide assistance to the physician as concerns assessment of the cardiorespiratory health of patients.
5. Practice as an integral member of the health care team, remaining within the guidelines of the American Association for Respiratory Care.
6. Seek and take an active role in the continuing education opportunities for respiratory therapy practitioners.
7. Define and implement the future trends within the Respiratory Therapy profession related to professional standards and self-goals.
8. Promote respiratory health through support of environmental air quality standards and zero smoking.

### **REGISTERED NURSING**

Preparation for Employment and A.S. Degree (Graduates eligible for Registered Nurse Licensing Examination in California)

Prerequisite: One year of high school chemistry or CH 4, completed with a grade of "C" or better (4 units);

Recommended: AH 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
ENG	1A	Composition .....	4
<b>OR ENG 3A Freshman Composition I (3)</b>			
SP	One from Speech 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 AH 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 Chronic 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 .....	0.5

DEGREE TOTAL ..... 71-72

Advisor: Hartley, Hartley-CMC

### RESPIRATORY THERAPY

Preparation for Employment and A.S. Degree

Recommended prerequisite: AH 70 Intro to Health Sciences

Courses Required:

Dept.	No.	Title .....	Units
RT	51	Intro to Respiratory Therapy ...	8
RT	53	Cardiopulmonary Pharm. ....	2
RT	54	Assisted Ventilatory Therapy .....	11

RT	55	Cardiopulmonary Special Procedure .....	4
RT	56	Methods of Continuous Ventilatory Support .....	11
RT	57	Cardiopulmonary Pathophysiology .....	3
RT	58	Cardiopulmonary Function Testing and Rehabilitation .....	7
RT	59	Respiratory Therapy Trends ....	3
ENG	1A	Composition .....	4
BI	22	Human Anatomy .....	4
BI	23	Human Physiology .....	5
BI	15	Microbiology .....	5
PH	1	Basic Physics .....	4
CH	4	Fundamentals of Chemistry ....	4
PSY	1	General Psychology .....	3
PE	From courses listed in catalog .		1
HUM	Humanity (Elective) .....		3
MATH	40	Intermediate Algebra .....	4

DEGREE TOTAL ..... 86

Advisor: Ciastko

### VOCATIONAL NURSING

Preparation for Employment and Certificate (Graduates eligible for Licensing Examination in California)

Recommended prerequisite: AH 70 Intro to Health Sciences

Courses Required:

Dept.	No.	Title .....	Units
VN	1	Vocational Nursing I .....	8
VN	1L	Vocational Nursing I Lab .....	7
N	61	Basic Pharmacology .....	3
VN	2	Vocational Nursing II .....	8
VN	2L	Vocational Nursing II Lab .....	7
HEC	13	General Nutrition .....	3
VN	3	Vocational Nursing III .....	7
VN	3L	Vocational Nursing III Lab .....	4
PSY	1	General Psychology .....	3

See Brochure for Admission Requirements

CERTIFICATE TOTAL ..... 50

Advisor: Hartley

## VOCATIONAL NURSING

Preparation for Employment and A.S. Degree  
 Recommended prerequisite: AH 70 Intro to  
 Health Sciences

Dept.	No.	Title	Units
VN	1	Vocational Nursing I	8
VN	1L	Vocational Nursing I Lab	7
N	61	Basic Pharmacology	3
VN	2	Vocational Nursing II	8
VN	2L	Vocational Nursing II Lab	7
HEC	13	General Nutrition	3
VN	3	Vocational Nursing III	7
VN	3L	Vocational Nursing III Lab	4

Required Subtotal	47
General Education Requirements	25
<b>DEGREE TOTAL</b>	<b>72</b>

Advisor: Hartley; CMC-Hartley

## ART

The Art Department of the College of the Desert offers a variety of courses to allow for individual interest. Since many Art Majors transfer to four-year schools, the course offerings at this college coincide with the lower division courses of other institutions. Students wishing to major in Art should first confer with an advisor to discuss career and transfer plans in order that specific requirements can be met. 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 when planning a program.

### ART

Preparation for Transfer to a Four-Year  
 College and/or A.A. Degree

Courses Required:

Dept.	No.	Title	Units
ART	1A	Drawing/Composition	2
<b>OR</b>	ART 1C	Drawing/Composition (2)	
ART	3A	Basic Design/Color	3

Any two of the following courses in Art  
 History:

ART	2A	History of Art	3
ART	2B	History of Art (3)	
ART	2C	History of Modern Art	3

Any one of the following courses in painting:

ART	21A	Painting (Water Color)	2
ART	23A	Painting (Oil) (2)	
ART	25A	Painting (Acrylic) (2)	
Additional required Art Electives			7

Required Subtotal	20
Elective Subtotal	1
General Education Subtotal	39

**DEGREE TOTAL** ..... 60

Advisor: Najarian; Miller/Rogers - CMC

## BUSINESS AND HOSPITALITY INDUSTRIES

Courses in the Division of Business and Hospitality Industries have been developed for students who wish to:

1. Meet occupational qualifications of business and industry, or
2. Meet lower division requirements for transfer to a four-year college or university to obtain a Bachelor's and/or advanced degree in business, or
3. Survey the business field to determine personal aptitudes for, and interests in, a business career or as general preparation for dealing with the business community.

Occupational curricula are designed to prepare students, in two years or less, to enter a vocational field and successfully pursue an occupation. Students having such occupational goals should follow suggested curricula listed on pages following "Courses of Instruction" in this department section. Included in the suggested curricula

are the core business courses basic to each occupational program. Students should consult their advisors to determine additional courses, within and outside the Division of Business and Hospitality Industries, which are most appropriate to individual objectives.

### ACCOUNTING

Preparation for Employment and Certificate  
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 Acc. Prac. Set	1
BUAC	12	Electronic Spreadsheet Lab	1
<b>OR</b>	OIS	72B Intermed. Applications Lotus & dBase (2)	
Required Subtotal			16-17

Note: BUAC 66, Intro to Accounting, is a prerequisite for BUAC 1

Recommended Electives  
(Choose 4 courses from the following):

BUAC	6	Acc. for Manuf. Enterprises	2
BUAC	7	Hospital and Medical Acc.	3
BUAC	3	Governmental Accounting	3
BUAC	8	Real Estate and Const. Acc.	3
BUHM	56	Hosp. Mgmt. Accounting	3
AGBU	11	Mgmt. Records (Agriculture)	3
BUMA	1	Principles of Management	3
ECON	1	Principles of Macroeconomics	3
BUFI	01	Principles of Financial Analysis & Planning	3
BUMA	10	Introduction to Business	3
<b>OR</b>	BUMA	20A, Business Law (3)	
BUMA	3	Statistical Meth. (Bus/Econ)	3
<b>OR</b>	MATH	14, Statistical Methods (4)	
<b>OR</b>	SOC	3, Fund. of Statistics (3)	
Elective Subtotal			11-13

CERTIFICATE TOTAL 27-30

Advisor: Manis

### BUSINESS ADMINISTRATION

Preparation for Transfer to a Four-Year  
College and/or A.A. Degree

Courses Required:

Dept.	No.	Title	Units
BUAC	1	Accounting I	3
BUAC	2	Accounting II	3
BUCS	73	Intro. to Computer Science	3
BUCS	73L	Intro. to Comp. Sc. Lab	1
BUMA	3	Statistical Methods for Business & Economics	3
<b>OR</b>	MATH	14, Statistical Methods (4)	
BUMA	20A	Business Law	3
BUMA	20B	Business Law	3
ECON	1	Principles of Macroeconomics	3
ECON	2	Principles of Microeconomic	3
Required Subtotal			25-26
General Education Requirements			39
DEGREE TOTAL			64-65

Advisors: Post/Gillman; Watson/Rogers - CMC

### COMPUTER SCIENCE

Preparation for Transfer to a Four-Year  
College and/or A.A. Degree

Transfer Courses:

Dept.	No.	Title	Units
BUCS	73	Intro to Computer Science	3
BUCS	73L	Intro to Computer Sci. Lab	1
BUCS	85	Intro to Pascal Programming	3
BUCS	85A	Adv. Pascal Programming	3
BUCS	87	Assembler Language	4
MATH	2A	Calc. with Anal. Geometry	5
BUCS	75	FORTRAN Programming <b>OR</b>	
PH	5	Computer Programming I	3
BUCS	76	COBOL Programming <b>OR</b>	
BUCS	50	"C" Language Programming	3
BUCS	81	BASIC Language Prog.	3

Transfer Subtotal 28  
\*General Education Requirements 40

TRANSFER TOTAL 68

\*Students should take the following courses to satisfy both major and general education requirements:

MATH 1A	Calc. with Analytic Geometry	5
MATH 1B	Calc. with Analytic Geometry	5
**PH 4A	Engineering Physics	5
**PH 4B	Engineering Physics	5

\*\*Note to Students: Physics requirements vary from institution to institution; please consult a counselor.

Advisors: Gillman; Penaflor-CMC

### COMPUTER SCIENCE

A.A. Degree

Required Courses:

Dept.	No.	Title	Units
BUCS	70A	Computer Business Applications	3
BUCS	70B	Word Processing Concepts	3
BUCS	70C	Adv. Spreadsheet Oper.	3
BUCS	70D	Adv. DBASE Programming	3
BUCS	70E	Adv. MS-DOS	3
BUCS	73	Intro to Computer Science	3
BUCS	73L	Intro to Computer Sci. Lab	1
BUCS	80	Sys. Analysis & Design	3
BUCS	82	Sys. Analysis & Design Prac.	2
BUCS	81	BASIC Language Prog.	3
BUCS	84	Advanced BASIC Prog.	3
BUCS	76	COBOL Programming	3
BUCS	83	Adv COBOL Programming	3
BUCS	50	"C" Language Programming	OR
BUCS	85	Intro to PASCAL Prog.	3
BUAC	66	Intro. to Accounting	3
BUAC	10	Computer Accounting	2

Required Subtotal	44
General Education Requirements	18
<b>DEGREE TOTAL</b>	<b>62</b>

Advisors: Gillman; Penaflor-CMC

### COMPUTER SCIENCE

Preparation for Employment and Certificate Program

Required Courses:

Dept.	No.	Title	Units
BUCS	70A	Computer Business Appl.	3

BUCS	70B	Word Processing Concepts	3
BUCS	70C	Adv. Spreadsheet Oper.	3
BUCS	70D	Adv. DBASE Programming	3
BUCS	70E	Adv. MS-DOS	3
BUCS	73	Intro to Computer Science	3
BUCS	73L	Intro to Computer Science Lab	1
BUCS	80	Systems Analysis & Design	3
BUCS	82	Sys. Analysis & Design Prac.	2
BUCS	81	BASIC Language Prog.	3
BUCS	84	Advanced BASIC Prog.	3
BUCS	76	COBOL Programming	3
BUCS	83	Adv. COBOL Programming	3
BUCS	50	"C" Language Programming	OR
BUCS	85	Intro to PASCAL Prog.	3
BUAC	66	Intro. to Accounting	3
BUAC	10	Computer Accounting	2

CERTIFICATE TOTAL 44

Advisors: Gillman; Penaflor-CMC

### ECONOMICS

Preparation for Transfer to a Four-Year College and/or A.A. Degree

Courses Required:

Dept.	No.	Title	Units
BUAC	1	Accounting I	3
BUAC	2	Accounting II	3
BUCS	73	Intro to Computer Science	3
BUCS	73L	Intro to Comp Sci Lab	1
BUMA	20A	Business Law	OR
BUMA	22	Legal Environment of Business	3
ECON	1	Principles of Macroeconomics	3
ECON	2	Principles of Microeconomic	3
BUMA	3	Statistical Methods for Business & Economics (3)	OR
SOC	3	Fund. of Statistics (4)	OR
MATH	14	Statistical Methods	4

Required Subtotal	22-23
General Education Requirements	39

DEGREE TOTAL 61-62

Advisor: Shahidi

**ESCROW**

Preparation for Employment and Certificate Program

Courses Required:

Dept.	No.	Title	Units
BURE	81	Principles of Real Estate*	3
BURE	84	Legal Aspects of Real Estate	3
BURE	85	Real Estate Finance	3
BURE	90	Escrow Procedures I	3
BURE	91	Escrow Procedures II	3
BURE	92	Escrow Procedures III	3

\*May be waived by advisor on basis of demonstrated proficiency.

Recommended Electives: Other Real Estate, Escrow and related Business courses (including Work Experience) to bring total units to 24.

CERTIFICATE TOTAL 24

Advisor: Pivar, Watson/Rogers - CMC

**FINANCE**

Preparation for Employment and Certificate Program

Courses Required:

Dept.	No.	Title	Units
ECON	1	Principles of Macroeconomics	3
BUAC	1	Accounting I	3
BUFI	1	Principles of Financial Analysis	3
BUFI	2	Capital Budgeting & Investment Analysis	3
BUFI	3	Principles of Money, Banking, & Financial Markets	3
BUFI	11	Principles of Personal Finance	3
BUMA	10	Introduction to Business	3
BUCS	70A	Computer Business Appl.	3
BUMA	20A	Business Law	3
BUMA	72	Business Math (3)	OR
MATH	20	Math for Bus. Analysis (3)	OR
MATH	50	Elementary Algebra	4

CERTIFICATE TOTAL 30-31

Advisor: Shahidi

**FINANCE**

A.A. Degree

Required Core Courses:

Dept.	No.	Title	Units
ECON	1	Principles of Macroeconomics	3
BUAC	1	Accounting I	3
BUFI	1	Principles of Financial Analysis	3
BUFI	2	Capital Budgeting & Investment Analysis	3
BUFI	3	Principles of Money, Banking, & Financial Analysis	3
BUFI	11	Principles of Personal Finance	3
BUMA	10	Introduction to Business	3
BUCS	73	Intro to Computer Science	3
BUCS	73L	Intro to Computer Sci Lab	1
BUMA	20A	Business Law	3
BUMA	72	Business Math (or equivalent)	3

Electives from the following courses:

*ECON	2	Principles of Microeconomics	3
*BUAC	2	Accounting II	3
BUAC	6	Acctg for Mfg Enterprises	3
BUAC	12	Electronic Spreadsheet Lab	1
BUAC	4	Tax Accounting I, Individual	3
BUAC	5	Tax Accounting II, Business	3
BUAC	10	Computer Accounting	2
BUAC	11	Automated Acctg Practice Set	1
*MATH	14	Statistical Methods	4
*BURE	85	Real Estate Finance	3
BUDE	21	Marketing	3
BURE	82	Real Estate Economics	3
BUSM	93	Human Relations	3
BUMA	20B	Business Law	3
BUMA	1	Principles of Management	3

\*These courses are highly recommended.

Core Courses Subtotal	31
Elective Subtotal	15
General Education Requirements	18
<b>DEGREE TOTAL</b>	<b>64</b>

Advisor: Shahidi, Watson (CMC)

**GENERAL BUSINESS**

Preparation for Employment and A.A. Degree  
 Required Core Courses:

Dept.	No.	Title	Units
BUAC	1	Accounting I (3)	OR 3
BUAC	66	Intro. to Accounting	3
BUAC	10	Computer Accounting (2)	OR 1
BUAC	11	Automated AcctPractice Set	1
ECON	1	Prin. of Macroeconomics (3)	OR 3
ECON	2	Principles of Microeconomic	3
ECON	11	International Econ. Relations	3
BUMA	10	Intro. to Business	3
BUMA	1	Principles of Management	3
BUCS	70A	Computer Business Appl.	3
OIS	66	Applied Business Communications	3

Core Courses Subtotal	19-20
Recommended Electives	22-23
General Education Requirements	18
<b>DEGREE TOTAL</b>	<b>59-61</b>

Electives to be selected from the following areas with consent of an advisor:

Accounting	Agri/Business
Business Law	Hotel/Motel Management
Computer Science	Marketing
Economics	Management
Finance	Real Estate
Insurance	Restaurant Management
Office Information Systems	

Advisors: Post/Gillman; Watson/Rogers - CMC

**GOLF MANAGEMENT**

Preparation for Employment and A.A. Degree

Required Courses:

Dept. No.	Title	Units
CC1	Golf Course Mgmt/Design	3
AGPS	5 Plant Science	3
AGPS	5L Plant Science Lab	1
BUAC	1 Accounting I (3)	OR 3
BUAC	66 Intro. to Accounting	3
BUMA	1 Principles of Management	3
BUMA	24 Resort Pers/Hum Rel	2
BUMA	25 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
Required Subtotal			31

Recommended Electives:

AGBU	5	Microcomputer Applications	3
AGPS	1	Soils and Plant Nutrition	3
AGPS	30	Agri Chemical Appl Safety	3
BUCS	70A	Computer Business Appl.	2
BUDE	21	Marketing and Sales	3
BUDE	55	Retail Merchandising	3
BUMA	10	Introduction to Business	3
BUMA	20A	Business Law	3
BUMA	22	Legal Environment of Business	3
BUSM	82	Purchasing	2
ECON	1	Principles of Macroeconomics	3
OH	4	Turfgrass Management	3
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	3
OH	84	Theory of Turfgrass Mgmt	2
PE	86	Tennis	1
RE	1	Intro to Community Recreation	3
RE	2	Recreation Field Work	1

Elective Subtotal	8-11
General Education Requirements	18

<b>DEGREE TOTAL</b>	<b>60-63</b>
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Advisor: Manzoni

**GOLF MANAGEMENT**

Preparation for Employment and Certificate Program

Required Courses:

Dept.	No.	Title	Units
CC	1	Golf Course Mgmt./Design	3
AGPS	5	Plant Science	3

AGPS	5L	Plant Science Lab	1
BUAC	1	Accounting I	3
<b>OR</b>		BUAC 66 Intro. to Accounting (3)	
BUMA	1	Principles of Management	3
BUMA	24	Resort Personnel/Human Rel	2
BUMA	25	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
<b>CERTIFICATE TOTAL</b>			<b>31</b>

Advisor: Manzoni

**HOTEL/MOTEL MANAGEMENT**

Preparation for Employment and Certificate Program

There are three concentration areas within the Hotel/Motel Certificate Program:

- a) Rooms Division Management
- b) Food & Beverage Operations and
- c) Hotel/Motel General Management.

Required Core Courses:

Dept.	No.	Title	Units
BUAC	1	Accounting I (3)	<b>OR</b>
BUHM	56	Hospitality Mgmt Acct	3
BUCS	73	Intro. to Computer Science	3
BUCS	73L	Intro to Computer Sci Lab	1
BUHM	50	Intro to Hospitality Industry	3
BUHM	66	Hospitality Industry Practicum	3
<b>Core Courses Subtotal</b>			<b>13</b>

Rooms Division Management Concentration:

AJ	23	Survey of Security	3
BUHM	54	Hotel/Management	3
BUHM	65	Front Office Procedure & Night Audit	3
BUHM	67	Hotel/Club Maintenance	5
<b>Concentration Subtotal</b>			<b>14</b>

**Food & Beverage Operations Concentration:**

BUHM	55	Restaurant Oper and Mgmt	3
HEFS	1	Sanitation, Safety & Equipment (3)	<b>OR</b>
CART	2	Kitchen Operations	2
CART	10	Food Procurement & Cost Control	3
CART	28	Resort Food & Beverage Operations	3
<b>Concentration Subtotal</b>			<b>12-13</b>

**Hotel/Motel General Mgmt Concentration:**

BUHM	61	Hospitality Sales& Promotion	3
<b>OR</b>		BUDE 21, Marketing (3)	
BUMA	1	Principles of Management	3
BUHM	60	Hotel/Motel Law	3
BUHM	63	Hotel/Motel Operations	3
BUHM	64	Hotel/Motel Personnel Mgmt	3
<b>OR</b>		BUMA 24 Resort Personnel and Human Relations (2)	
<b>Concentration Subtotal</b>			<b>14-15</b>

**CERTIFICATE TOTAL** 24-29

Advisor: Post

**OFFICE TECHNICIAN**

Preparation for Employment and Certificate Program

Required Courses:

Dept.	No.	Title	Units
OIS	51	Intermed. Keyboard/Typing	3
OIS	52	Adv. Keyboarding/Typing	3
OIS	57	Machine Transcription	2
<b>OR</b>		OIS 60A Beginning Shorthand (3)	
OIS	63	Office Systems& Procedures	3
OIS	64	Records Management	2
OIS	65	Fund. Bus. Communications	3
OIS	66	Applied Bus. Communications	3
OIS	75	Word Processing Applications	2
BUCS	70A	Computer Business Appl.	3
BUAC	1	Accounting I	3
<b>OR</b>		BUAC 66 Intro. to Acct. (3)	

**CERTIFICATE TOTAL** 27-28

Advisor: Krivanek; Watson(CMC)



**OFFICE TECHNICIAN**

Preparation for Employment and A.A. Degree

Required Courses:

Dept.	No.	Title	Units
OIS	51	Intermed. Keyboard/Typing ...	3
OIS	52	Adv. Keyboarding/Typing .....	3
OIS	57	Machine Transcription .....	2
<b>OR</b>		OIS 60A Beg. Shorthand (3)	
OIS	63	Office Systems & Procedures ..	3
OIS	64	Records Management .....	2
OIS	65	Fund. Business Communications .....	3
OIS	66	Applied Bus. Communications	3
OIS	75	Word Processing Applications	2
BUCS	70A	Computer Business Appl. ....	3
BUAC	1	Accounting I .....	3
<b>OR</b>		BUAC 66 Intro. to Acct. (3)	
Required Subtotal .....			27-28

ELECTIVES: Select a total of 15 units from this list of recommended courses.

BUMA	10	Introduction to Business .....	3
BUMA	20A	Business Law .....	3
BUMA	72	Business Math .....	3
OIS	67	Automated Office Systems .....	3
OIS	74	Word Processing Concepts .....	3
OIS	75	Word Processing Applications	2
OIS	77	Adv. Word Processing Appl. ...	2
OIS	82	Business Graphics .....	3
OIS	85	Telecommunications .....	3

Required Elective .....

General Education Requirements .....

DEGREE TOTAL .....

Advisor: Krivanek; Watson(CMC)

**REAL ESTATE**

Preparation for Employment and Certificate Program

Courses Required:

Dept.	No.	Title	Units
BURE	81	Principles of Real Estate* .....	3
BURE	82	Real Estate Economics .....	3
BURE	83	Real Estate Practice .....	3
BURE	84	Legal Aspects of Real Estate ...	3

BURE	85	Real Estate Finance .....	3
BURE	86	Principles of Appraising .....	3
BURE	90	Escrow I .....	3

\*May be waived by Advisor on basis of demonstrated proficiency.

Recommended Electives: Other Real Estate, Escrow and related Business courses to bring total units to 30

CERTIFICATE TOTAL .....

Advisor: Pivar

**REAL ESTATE**

Preparation for Employment and A.A. Degree

Courses Required:

Dept.	No.	Title	Units
BURE	81	Principles of Real Estate* .....	3
BURE	82	Real Estate Economics .....	3
BURE	83	Real Estate Practice .....	3
BURE	84	Legal Aspects of Real Estate ...	3
BURE	85	Real Estate Finance .....	3
BURE	86	Principles of Appraising .....	3
BURE	90	Escrow I .....	3

Required Subtotal .....

Recommended Electives: Other Real Estate and Escrow courses; and other related

Business Courses .....

Other Electives: .....

General Education Requirements .....

DEGREE TOTAL .....

\*May be waived by Advisor on basis of demonstrated proficiency.

Advisor: Pivar

**RESTAURANT MANAGEMENT**

Preparation for Employment and Certificate Program

Required Courses:

Dept.	No.	Title	Units
BUAC	1	Accounting I .....	<b>OR</b>
BUHM	56	Hospitality Mgmt. Acctg. ....	3

BUCS 73 Intro to Computer Science ..... 3  
 BUCS 73L Intro to Computer Sci. Lab ..... 1  
 BUHM 50 Intro to Hospitality Industry .... 3  
 BUHM 66 Hospitality Industry Pract. .... 3

Required Subtotal ..... 12-14

Required Electives:

BUDE 21 Marketing ..... 3  
**OR** BUHM 61 Hospitality Sales  
 and Promotion (3)  
 BUHM 55 Restaurant Oper. and Mgmt. ... 3  
 BUHM 64 Hotel/Motel Personnel Mgmt. . 3  
**OR** BUMA 24 Resort Personnel  
 & Human Rel. .... 2  
 BUMA 20A Business Law ..... 3  
 CART 10 Food Procurement &  
 Cost Control ..... 3

Elective Subtotal ..... 14-15

CERTIFICATE TOTAL ..... 26-29

Advisor: Post

**ADMINISTRATIVE ASSISTANT/  
SECRETARY**

Preparation for Employment and Certificate Program

Required Courses:

Dept.	No.	Title	Units
OIS	51	Intermed. Keyboard./Typing ...	3
OIS	57	Machine Transcription .....	2
<b>OR</b>	OIS	60A Beginning Shorthand (3)	
OIS	63	Office Systems & Procedures ..	3
OIS	64	Records Management .....	2
OIS	65	Fund. Business Communications .....	3
OIS	66	Applied Bus. Communications	3
OIS	67	Automated Office Systems .....	3
OIS	74	Word Processing Concepts .....	3
OIS	75	Word Processing Appl. (ABC - two courses) .....	4
OIS	77	Adv. Word Proc. Appli. ....	2
BUAC	1	Accounting 1 .....	3
<b>OR</b>	BUAC	66 Intro. to Accounting (3)	
BUCS	70A	Computer Bus. Applications ...	3

CERTIFICATE TOTAL ..... 34-35

Advisor: Krivanek; Watson(CMC)

**ADMINISTRATIVE ASSISTANT/  
SECRETARY**

Preparation for Employment and A.A. Degree

Required Courses:

Dept.	No.	Title	Units
OIS	51	Intermed. Keyboarding/Typing	3
OIS	57	Machine Transcription .....	2
<b>OR</b>	OIS	60A Beginning Shorthand (3)	
OIS	63	Office Systems & Procedures ..	3
OIS	64	Records Management .....	2
OIS	65	Fund. Bus. Communications ....	3
OIS	66	Applied Bus. Communications	3
OIS	67	Automated Office Systems .....	3
OIS	74	Word Processing Concepts .....	3
OIS	75	Word Processing Applications (ABC - two courses) .....	4
OIS	77	Adv. Word Proc. Appli. ....	2
BUAC	1	Accounting 1 .....	3
<b>OR</b>	BUAC	66 Intro. to Accounting (3)	
BUCS	70A	Computer Bus. Applications ....	3

Required Subtotal ..... 34-35

Recommended Electives: Select a total of 8 units from this list of recommended courses.

BUMA	10	Introduction to Business .....	3
BUMA	20A	Business Law .....	3
BUMA	72	Business Math 3	
OIS	52	Adv. Keyboarding/Typing .....	3
OIS	60B	Intermediate Shorthand .....	3
OIS	75	Word Processing Applications .	2
OIS	77	Adv. Word Proc. Appli. ....	2
OIS	82	Business Graphics .....	3
OIS	85	Telecommunications .....	3
OIS	72B	Interm. Appli. Lotus and dBase	2

Elective Subtotal ..... 8

General Education Requirements ..... 18

DEGREE TOTAL ..... 60-61

Advisor: Krivanek; Watson(CMC)

**SUPERVISION AND MANAGEMENT**

Preparation for Employment and Certificate Program

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 other Supervision classes offered. (Eight (8) classes at two (2) units each for a total of 16 units).

CERTIFICATE TOTAL .....24

Advisor: Immenhausen

**SUPERVISION AND MANAGEMENT**

Preparation for Employment and A.A. Degree

Courses Required:

Dept.	No.	Title	Units
BUSM	70	Affirm. Action for Supervisors	2
BUSM	81	Quality Assurance	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
BUMA	1	Principles of Management	3
BUMA	10	Introduction to Business	3
BUDE	21	Marketing	3

Required Subtotal	28
Elective Subtotal	14
General Education Requirements	18
<b>DEGREE TOTAL</b>	<b>60</b>

Advisor: Immenhausen

**WORD AND INFORMATION PROCESSING**

Preparation for Employment and Certificate Program

Required Courses:

Dept.	No.	Title	Units
OIS	51	Inter. Keyboarding/Typing	3
OIS	57	Machine Transcription	2
<b>OR</b>	OIS 60A	Beginning Shorthand (3)	
OIS	63	Office Systems&Procedures	3
OIS	65	Fund. Bus. Communications	3
OIS	66	Applied Bus. Communications	3
OIS	72B	Intermed. Applications Lotus and dBase	2
OIS	74	Word Processing Concepts	3
OIS	75	Word Processing Applications (ABC-two courses)	4
OIS	77	Adv. Word Processing Appli.	2
OIS	82	Business Graphics	3
BUCS	70A	Computer Bus. Applications	3

CERTIFICATE TOTAL ..... 31-32

Advisor: Krivanek; Watson(CMC)

**WORD AND INFORMATION PROCESSING**

Preparation for Employment and A.A. Degree

Required Courses:

Dept.	No.	Title	Units
OIS	51	Intermed. Keyboard./Typing	3
OIS	57	Machine Transcription	2
<b>OR</b>	OIS 60A	Beg. Shorthand (3)	
OIS	63	Office Systems & Procedures	3

OIS	65	Fund. Bus. Communications	....	3
OIS	66	Applied Bus. Communications		3
OIS	72B	Interm. Applications.		
		Lotus and dBase	.....	2
OIS	74	Word Processing Concepts	.....	3
OIS	75	Word Processing Applications ..		
		(ABC-two courses)	.....	4
OIS	77	Adv. Word Proc. Appli.	.....	2
OIS	82	Business Graphics	.....	3
BUCS	70A	Computer Bus. Applications	...	3

Required Subtotal ..... 31-32

Recommended Electives: Select a total of 11 units from this list of recommended courses.

BUMA	10	Introduction to Business	.....	3
BUMA	20A	Business Law	.....	3
BUMA	72	Business Math	.....	3
BUAC	1	Accounting 1	.....	3
OR	BUAC	66 Intro. to Accounting (3)		
OIS	52	Adv. Keyboarding/Typing	.....	3
OIS	64	Records Management	.....	2
OIS	67	Automated Office Systems	.....	3
OIS	75	Word Processing Applications	.....	2
OIS	85	Telecommunications	.....	3

Elective Subtotal ..... 11  
General Education Requirements ..... 18

DEGREE TOTAL ..... 60-61

Advisor: Krivanek; Watson(CMC)

## COMMUNICATION

Communication, English, English As A Second Language, Journalism, Mass Communication, Radio-Television, Reading, Speech, Foreign Language and Humanities.

The Communication Division offers exciting, enriching, and challenging educational opportunities for students in Transfer and Occupational 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.

The Division offers a wide range of courses to help students reach their objectives. Courses are arranged in complementary programs of English Composition and Literature, English As A Second Language, Journalism, Mass Communication, Radio-Television, Reading, Speech, Foreign Language (French, German, Italian, Japanese, Russian, and Spanish) and Humanities.

## COMMUNICATION

A.A. Degree & Preparation for Transfer

Basic courses required of all Communication Majors:

*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
Plus one course from each of the following:				
*SP	4	Public Speaking	.....	3
OR	*SP	5 Group Discussion Process(3)		
OR	*MC	3 Telecommunications (3)		
AND				
ENG	5A or 5B	Creative Writing	.....	3
OR	ENG	1C Adv. Composition (3)		
OR	ENG	41 Technical Report Reading and Writing (3)		
OR	J	3A News Reporting&Writing(3)		
OR	J	10 Magazine Article Writing(3)		
OR	RTV	5 Radio&Television Writing(3)		

Required Subtotal ..... 21-22  
General Education Subtotal ..... 39  
(see General Education Requirements)

DEGREE TOTAL ..... 60-61

Advisor: Full-time English Faculty;  
Hopkins - CMC

\*May be counted toward General Education Requirements.

**ENGLISH COMPOSITION**

A.A. Degree & Preparation for Transfer

Courses Required:

Dept.	No.	Title	Units
*ENG	1A	Composition	4
<b>OR</b>	*ENG 3A	Freshman Comp (3)	
*ENG	1B	Composition/Literature	3
*SP	1	Intro. to Human Comm.	3
<b>OR</b>	*SP 4	Public Speaking (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 two courses from the following:

*ENG	10 A,B	American Literature	3,3
*ENG	11 A,B	Survey of English Literature	3,3
*ENG	12 A,B	World Literature I & II	3,3
*ENG	14	Shakespeare	3
*ENG	15	The Short Story	3
*ENG	16	Literature of the Desert	3
*ENG	18	Introduction to Poetry	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	69 A,B	Dramatic Literature	3,3
**MC	1	Mass Media in Amer. Culture	3

Required Subtotal	21-22
General Education Subtotal	<u>39</u>

DEGREE TOTAL ..... 60-61

Advisor: Full-time English Faculty  
Hopkins - CMC

\*May be counted toward General Education Requirements.

\*\*Is recommended to satisfy a General Education requirement.

(Students applying any of the Communication Basic 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 Division.)

**ENGLISH LITERATURE**

A.A. Degree & Preparation for Transfer

Courses Required:

Dept.	No.	Title	Units
*ENG	1A	Composition	4
<b>OR</b>	*ENG 3A	Freshman Comp (3)	
*ENG	1B	Composition/Literature	3
*ENG	10A	American Literature	3
<b>OR</b>	*ENG 10B	American Literature(3)	
<b>OR</b>	*ENG 11A	Survey of English Lit(3)	
<b>OR</b>	*ENG 11B	Survey of English Lit(3)	
*SP	1	Intro. to Human Comm	3
<b>OR</b>	*SP 4A	Public Speaking (3)	

Plus three courses from the following:

ENG	5A	Creative Writing	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	18	Intro. to Poetry	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	2	Oral Interpretation of Lit.	3
*TA	69 A,B	Dramatic Literature	3

Required Subtotal	21-22
General Education Subtotal	<u>39</u>

(see General Education Requirements)

DEGREE TOTAL ..... 60-61

Advisor: Full-time English Faculty;  
Hopkins - CMC

\*May be counted toward General Education Requirements. It is suggested that the student elect one semester of Western Civilization and MC 1 for General Education Requirements.

## JOURNALISM

A.A. Degree & Preparation for Transfer

Courses Required:

Dept.	No.	Title	Units
MC	1	Mass Media in Amer. Culture	3
J	3A	News Reporting	3
J	4 A	Newspaper Production	3
J	4B	Newspaper Production	3
J	6	Phototypesetting	3
Electives in consultation with the Journalism advisor			5-6
Required Subtotal			20-21
General Education Subtotal			39
(see General Education Requirements)			
DEGREE TOTAL			60

Advisor: Wilson

## MASS COMMUNICATION

A.A. Degree & Preparation for Transfer

Courses Required:

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	Newspaper Production	3
J	4B	Adv. Newspaper Production	3
J	6	Intro. to Desktop Pub.	3
J	7	Intro. to Photojournalism	3
J	10	Magazine Article Writing	3
RTV	2	Radio&Television 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

Required Subtotal	20-21
General Education Subtotal*	39
DEGREE TOTAL	60

Advisor: Wilson

\*HUM 1 - Alternative Methods of Critical Analysis is recommended to satisfy a General Education requirement.

## SPEECH

A.A. Degree & Preparation for Transfer

Courses Required:

Dept.	No.	Title	Units
SP	1	Intro. to Human Comm.	3
SP	5	Group Discussion Process	3
Electives (A minimum of nine 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 five units to be selected from cognate areas of the Communication and/or Social Sciences Divisions. These are determined in conference with the Speech advisor.

Required Subtotal	20-21
General Education Subtotal	39
(see General Education Requirements)	
DEGREE TOTAL	59-60

Advisor: Crites; Hopkins(CMC)

## 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 Culinary Arts Program includes training at three levels: Entry, Intermediate and Advanced.

The Program is designed to prepare future working cooks and chef apprentices, as well as provide courses for the student desiring personal enrichment and cooks and chefs employed in the local industry who seek to enhance their skills and professional qualifications.

### BASIC CULINARY ARTS

Preparation for Employment and Certificate Program

Required Courses:

Dept.	No.	Title	Units
CART	03	Principles of Cooking	5
CART	33	Intro. to Baking	4
CART	04	Pantry	5
CART	32	Intro. to Food Service	3
HEFS	01	Sanitation & Safety	3
CERTIFICATE TOTAL			20

Advisors: Beno/Friend

### INTERMEDIATE CULINARY ARTS

Preparation for Employment and Certificate Program

Required Courses:

Dept.	No.	Title	Units
CART	03	Principles of Cooking	5
CART	33	Intro. to Baking	4
CART	04	Pantry	5
CART	32	Intro. to Food Service	3
HEFS	01	Sanitation & Safety	3
CART	34	Intermediate Baking	4
CART	06	Garde Manger	5
BUMA	01	Principles of Management	3
CART	35	Operations Mgmt. (Production Cooking)	4
Required Business Elective			3
CERTIFICATE TOTAL			39

Advisors: Beno/Friend

### CULINARY MANAGEMENT

Preparation for Employment, Certificate Program and A.A. Degree

Required Courses:

Dept.	No.	Title	Units
CART	03	Principles of Cooking	5
CART	33	Intro. to Baking	4
CART	04	Pantry	5

CART	32	Intro. to Food Service	3
HEFS	01	Sanitation & Safety	3
BUCS	70	Computer Bus. Appli.	3
CART	10	Food Procurement & Cost Control	3
CART	11	Menu Planning	3
BUMA	01	Principles of Management	3
BUHM	64	Hotel/Motel Personnel Mgmt.	3
CART	06	Garde Manger	5
CART	34	Intermediate Baking	4

CERTIFICATE TOTAL			44
General Education Subtotal			18

DEGREE TOTAL			62
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Advisors: Beno/Friend

## 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. Located on the Library Mezzanine (LM4A) in the center of the campus, 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 and work experience.

The Department 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 in LM 4A. There is a fee for the GED Test.

The English as a Second Language Program which operates on a year-round, open-entry, open-exit basis, offers instruction at all levels of proficiency for persons who are learning English as a Second Language. All persons 18 years of age or older, regardless of their educational background are welcome to participate in this program.

## ENGINEERING/ TECHNOLOGY

The various curricula in this department are 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.

## AIR CONDITIONING AND REFRIGERATION

Certificate Program and Preparation for  
Employment

Courses Required:

Dept.	No.	Title	Units
ACR	60	Air Cond/Refrig I	3
ACR	61	Air Cond/Refrig II	3
ACR	62	Air Cond III	3
ACR	63	Refrigeration IV	3
ACR	64	Air Cond/Refrig Elec I	3
ACR	65	Air Cond/Refrig Elec II	2

Required Subtotal ..... 17

Technical Electives: ..... 7

Select a minimum of 7 units from the following:

ACR	65	Air Cond/Refrig Elec Lab	1
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	2
ACR	71	Comfort Heating Systems	1
ACR	72	Air Cond/Refrig Elec III	2
ACR	73	Pneumatic Control	1

Electives:

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

AGBU	5	Microcomputer Applications	3
AUTO	60	Auto Accessories & Air Conditioning	2
ELEC	30	Intro to Electronics	4
WELD	28A	Indust. Welding Processes I	2
BUAC	1	Accounting I	3
BUMA	20A	Business Law	3
BUSM	91	Supervision	2
MATH	50	Elementary Algebra	4
Elective Subtotal			3-4

CERTIFICATE TOTAL ..... 27-28

Advisor: Hamilton



**AIR CONDITIONING AND REFRIGERATION**

A.S. Degree and Preparation for Employment

Courses Required:

Dept.	No.	Title	Units
ACR	60	Air Cond/Refrig I	3
ACR	61	Air Cond/Refrig II	3
ACR	62	Air Cond III	3
ACR	63	Refrigeration IV	3
ACR	64	Air Cond/Refrig Elec I	3
ACR	65	Air Cond/Refrig Elec II	2
ACR	72	Air Cond/Refrig Elec III	2
Required Subtotal			19

Technical Electives: 23 units (Following courses are selected as technical electives)

ACR	65L	Air Cond/Refrig Electric Lab	1
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	2
ACR	71	Comfort Heating Systems	2
ACR	73	Pneumatic Control	1
AGBU	5	Microcomputer Applications	3
AGBU	7	Adv Microcomputer Appl	2
AUTO	60	Auto Air Conditioning	2
BUAC	1	Accounting I	3
BUMA	20A	Business Law	3
BUSM	91	Elements of Supervision	2
ELEC	30	Introduction to Electronics	4
WELD	28A	Indust. Welding Processes I	2

Elective Subtotal ..... 23  
 General Education Requirements ..... 18

To include:

NR 1 Conv of Natural Resources (3)

DEGREE TOTAL ..... 60

Advisor: Hamilton

**AUTOMOTIVE TECHNOLOGY**

A.A. Degree and Preparation for Employment

Courses Required:

Dept.	No.	Title	Units
AUTO	1	Auto Principles I	2

AUTO	12	Brake & ABS Systems	2
AUTO	13	Suspension & Alignment	2
AUTO	14	Auto Electrical Systems	2
AUTO	50	Auto Computer Systems	2
AUTO	60	Auto Air Conditioning	2
AUTO	61	Computer Ignition Systems	2
AUTO	62	Computer Fuel Systems	2
AUTO	63	Engine Rebuilding	2
AUTO	64	Automatic Transmission	2
AUTO	65	Std Trans & Drive Trains	2
AUTO	71- 72	Automotive Laboratory	2
AUTO	27A-D	BAR Clean Air Course I	2.5
AUTO	28A-D	BAR Clean Air Course II	2.5
Micro Computer Applications (AGBU 5, BUCS 70A, or BUCS 88)			3

Required Subtotal ..... 32

Elective Subtotal (with Advisor approval) .. 10

General Education Subtotal ..... 18

To include:

NR 1 Conv of Natural Resources(3)

DEGREE TOTAL ..... 60

Advisors: Tamulonis; DaShiell-CMC

**AUTOMOTIVE TECHNOLOGY**

Preparation for Employment and Certificate Program

This program is designed to be completed in one semester by the student attending class on a full-time basis. Designed for students enrolled at the Copper Mountain Campus.

Courses Required:

Dept.	No.	Title	Units
AUTO	40	Basic Shop Operations	1
AUTO	41	Basic Auto Electrical Sys	2
AUTO	42	Basic Fuel and Ignition Sys	2
AUTO	46	Auto Diagnostic Equip	2
AUTO	50	Auto Computer Systems	2
AUTO	27A-D	BAR Clean Air Course I	2.5
AUTO	28A-D	BAR Clean Air Course II	2.5

CERTIFICATE TOTAL ..... 14

Advisor: DaShiell-CMC

**AUTOMOTIVE TECHNOLOGY -  
BRAKES AND CHASSIS**

Preparation for Employment and Certificate Program

Courses Required:

Dept.	No.	Title	Units
AUTO	1	Auto Principles I	2
AUTO	12	Brake & A.B.S. Systems	2
AUTO	13	Suspension & Alignment	2
AUTO	64	Automatic Transmissions	2
AUTO	65	Standard Transmission & Drive Trains	2
AUTO	31A-D	Brake License Prep	1
Required Subtotal			11
Elective Subtotal (with Advisor approval)			12
<b>CERTIFICATE TOTAL</b>			<b>23</b>

Advisor: Tamulonis; DaShiell-CMC

**AUTOMOTIVE TECHNOLOGY-  
ELECTRICAL and TUNE-UP**

Preparation for Employment and Certificate Program

Courses Required:

Dept.	No.	Title	Units
AUTO	1	Auto Principles I	2
AUTO	14	Auto Electrical Systems	2
AUTO	60	Auto Air Conditioning	2
AUTO	61	Computer Ignition Systems	2
AUTO	62	Computer Fuel Systems	2
AUTO	27A-D	BAR Clean Air Course I	2.5
AUTO	28A-D	BAR Clean Air Course II	2.5
Required Subtotal			15
Elective Subtotal (with Advisor approval)			9
<b>CERTIFICATE TOTAL</b>			<b>24</b>

Advisor: Tamulonis; DaShiell-CMC

**ENGINEERING TECHNOLOGY**

A.S. Degree & Preparation for Transfer

Courses Required:

Dept.	No.	Title	Units
ENGR	12	Surveying	2
ENGR	3	Engineering Graphics	2
ENGR	4	Descriptive Geometry	2
DRA	1	Technical Drafting I	3
DRA	2	Technical Drafting II	3
DRA	5	Intro to Computer Aided Drafting/Design	2

Required Subtotal ..... 14

Elective Subtotal ..... 7-9

Recommended to include:

AGBU 5 Microcomputer Applications (3)  
PH 5 Computer Programming I (3)

General Education Subtotal ..... 39

Recommended selections:

CH 1A General Chemistry (5)  
PH 2A General Physics (4)  
PH 2B General Physics (4)  
MATH 5 Trigonometry (3)  
MATH 10 College Algebra (4)

(See Admission & General Education Requirements for Transfer Institution)

**DEGREE TOTAL** ..... 60-62

Advisor: O'Donnell

**WELDING**

Preparation for Employment and Certificate Program

Courses Required:

Dept.	No.	Title	Units
WELD	28A	Industrial Welding Proc I	2
WELD	28B	Industrial Welding Proc II	2
WELD	63	Welding II	3

**CERTIFICATE TOTAL** ..... 7

Advisors: Smith; Rogers-CMC

## ENVIRONMENTAL DESIGN

Environmental Design 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 Environmental Design are intended to be as flexible as possible to best serve student needs. The Environmental Design 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.

### ARCHITECTURAL TECHNOLOGY

Certificate Program and Preparation for Employment

Courses Required: 27 units to be chosen from the following (with Advisor approval):

Dept.	No.	Title .....	Units
ARCH	1	Intro to Arch Professions .....	2
ARCH	2	Materials of Construction .....	3
ARCH	3A	Architectural Practice I .....	3
ARCH	3B	Architectural Practice II .....	3
ARCH	3C	Architectural Practice III .....	3
ARCH	5	Intro to Drawing & Perspective .....	2
ARCH	6	Architectural Delineation .....	2
DRA	1	Technical Drafting I .....	3

DRA	5	Intro to Computer Aided Drafting/Design .....	2
DRA	6	Adv Computer Aided Drafting/Design .....	2
DRA	7	Drafting/Design CAD Project ..	2

CERTIFICATE TOTAL ..... 27

Advisor: O'Donnell

### ARCHITECTURAL TECHNOLOGY

A.S. Degree and Preparation for Employment  
Courses Required:

35 units to be chosen from the following  
(with Advisor approval):

Dept.	No.	Title .....	Units
ARCH	1	Intro to Arch Professions .....	2
ARCH	2	Materials of Construction .....	3
ARCH	3A	Architectural Practice I .....	3
ARCH	3B	Architectural Practice II .....	3
ARCH	3C	Architectural Practice III .....	3
ARCH	5	Intro to Drawing & Perspective .....	2
ARCH	6	Architectural Delineation .....	2
ARCH	8	Architectural Design Fund I ....	3
ARCH	10	Environmental Control Systems .....	3
ARCH	14	History of Architecture .....	2
DRA	1	Technical Drafting I .....	3
DRA	5	Introduction to Computer Aided Drafting/Design .....	2
DRA	6	Adv Computer Aided Drafting/Design .....	2
DRA	7	Drafting/Design CAD Project ..	2

Required Subtotal ..... 35

Elective Subtotal (with Advisor approval) .... 8

General Education Subtotal ..... 18

To include the following:

GEOG	5	Environmental Geology (3)
GEOG	5L	Environmental Geology Lab (1)
MATH	5	Trigonometry (3)
NR	1	Cons of Natural Resources(3)
NR	1L	Cons of Natural Resources Lab (1)

DEGREE TOTAL ..... 61

Advisor: O'Donnell

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**ARCHITECTURE**

A.S. Degree and Preparation for Transfer

Courses Required:

Dept.	No.	Title	Units
ARCH	1	Intro to Arch Professions	2
ARCH	2	Materials of Construction	3
ARCH	3A	Architectural Practice I	3
ARCH	3B	Architectural Practice II	3
ARCH	5	Intro to Drawing & Perspective	2
ARCH	6	Architectural Delineation	2
ARCH	8	Architectural Design Fund I	3
ARCH	9	Architectural Design Fund II	3
ARCH	10	Environmental Control Systems	3
ARCH	14	History of Architecture	2
ARCH	15	Elementary Structures	3
ARCH	16	Mechanics of Structural Members	3
ARCH	17	Arch. Design Fund. III	3
DRA	5	Intro to Computer Aided Drafting/Design	2

Required Subtotal ..... 37

General Education Subtotal ..... 28

Recommended:

MATH 1A Calculus w/Analytic Geometry

MATH 1B Calculus w/ Analytic Geometry

PH 4A,B Engineering Physics

(See General Education Requirements of  
Transfer Institution\*)

DEGREE TOTAL ..... 65

Advisor: O'Donnell

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

**BUILDING INSPECTION  
TECHNOLOGY**Certificate Program and Preparation for  
Employment

Courses Required:

Dept.	No.	Title	Units
BIT	10	Introduction to UBC	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	2
ARCH	2	Materials of Construction	3
ARCH	11	Arch. Blueprint Reading	3
AGBU	5	Microcomputer Applications	3

CERTIFICATE TOTAL ..... 27

Advisor: O'Donnell

**CONSTRUCTION MANAGEMENT**Certificate Program and Preparation for  
Employment

Courses Required:

Dept.	No.	Title	Units
ARCH	1	Intro to Architect. Professions	2
ARCH	2	Materials of Construction	3
ARCH	3A	Architectural Practice I	3
ARCH	3B	Architectural Practice II	3
BIT	10	Intro to Uniform Bldg Code	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	7	Intro to Plans & Specifications	3
CM	8	Construction Estimating	3
DRA	5	Intro to Computer Aided Drafting/Design	2

CERTIFICATE TOTAL ..... 32

Advisor: O'Donnell

## CONSTRUCTION MANAGEMENT

A.S. Degree and Preparation for Employment  
Courses Required:

Dept.	No.	Title	Units
ARCH	1	Intro to Architect. Professions	2
ARCH	2	Materials of Construction	3
ARCH	3A	Architectural Practice I	3
ARCH	3B	Architectural Practice II	3
ARCH	5	Intro to Drawing & Perspective	2
ARCH	6	Architectural Delineation	2
BIT	10	Intro to Uniform Bldg. Code	3
CM	1	Intro to Construction Mgmt	2
CM	2	Intro to Urban Planning	3
CM	3	Site & Terrain Analysis	3
CM	4	Construction Law Survey	3
CM	5	Construction Planning	3
CM	6	Construction Surveying	2
CM	7	Intro to Plans & Specifications	3
CM	8	Construction Estimating	3
DRA	5	Intro to Computer Aided Drafting/Design	2

Required Subtotal	42
Elective Subtotal (with Advisor approval)	6
General Education Subtotal	18
To include the following:	
G 5 Environmental Geology (3)	
G 5L Environmental Geology Lab (1)	
MATH 5 Trigonometry (3)	
NR 1 Conserv of Natural Resources (3)	
NR 1L Cons of Natural Resources Lab (1)	
<b>DEGREE TOTAL</b>	<b>66</b>

Advisor: O'Donnell

## CONSTRUCTION MANAGEMENT

Preparation for Transfer and A.S. Degree  
Courses Required:

Dept.	No.	Title	Units
ARCH	1	Intro to Architect. Professions	2
ARCH	2	Materials of Construction	3
ARCH	3A	Architectural Practice I	3
ARCH	5	Intro to Drawing & Perspective	2
ARCH	6	Architectural Delineation	2
ARCH	8	Architectural Design Fund I	3

ARCH	15	Elementary Structures	3
ARCH	17	Mechanics of Structures	3
CM	1	Intro to Construction Mgmt	2
CM	2	Intro to Urban Planning	3
CM	3	Site & Terrain Analysis	3
CM	4	Construction Law Survey	3
CM	5	Construction Planning	3
CM	6	Construction Surveying	2
CM	8	Construction Estimating	3

Required Subtotal	40
General Education Subtotal	28

Recommended:

MATH 1A Calculus w/Analytic Geometry  
MATH 1B Calculus w/Analytic Geometry  
PH 4A,B Engineering Physics  
(See General Education Requirements of  
Transfer Institution\*)

<b>DEGREE TOTAL</b>	<b>68</b>
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Advisor: O'Donnell

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

## GENERAL DRAFTING

Certificate Program and Preparation for  
Employment

Courses Required:

Dept.	No.	Title	Units
DRA	1	Technical Drafting I	3
DRA	2	Technical Drafting II	3
DRA	5	Intro to Computer Aided Drafting/Design	2
DRA	6	Adv Computer Aided Drafting/Design	2
DRA	7	Drafting/Design CAD Project	2
ARCH	1	Intro to Architect. Professions	2
ARCH	2	Materials of Construction	3
ARCH	3A	Architectural Practices I	3
ARCH	3B	Architectural Practices II	3
ARCH	5	Intro to Drawing & Perspectives	2
ARCH	6	Architectural Delineation	2
AGBU	5	Microcomputer Applications	3

<b>CERTIFICATE TOTAL</b>	<b>30</b>
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Advisor: O'Donnell

**GENERAL DRAFTING**

A.A. Degree and Preparation for Employment  
Courses Required:

Dept.	No.	Title	Units
DRA	1	Technical Drafting I	3
DRA	2	Technical Drafting II	3
DRA	5	Intro to Computer Aided Drafting/Design	2
DRA	6	Adv Computer Aided Drafting/Design	2
DRA	7	Drafting/Design CAD Project	2
ARCH	1	Intro to Architect. Professions	2
ARCH	2	Materials of Construction	3
ARCH	3A	Architectural Practice I	3
ARCH	3B	Architectural Practice II	3
ARCH	5	Intro to Drawing & Perspective	2
ARCH	6	Architectural Delineation	2
AGBU	5	Microcomputer Applications	3

Required Subtotal ..... 30  
 Elective Subtotal (with Advisor approval) . 14  
 General Education Subtotal ..... 18  
 To include the following:  
 MATH 5 Trigonometry (3)  
 NR 1 Conserv of Natural Resources (3)  
 DEGREE TOTAL ..... 62

Advisor: O'Donnell

**INDUSTRIAL TECHNOLOGY-CONSTRUCTION**

A.S. Degree and Preparation for Employment  
Courses Required:

Dept.	No.	Title	Units
ARCH	1	Intro to Arch. Professions	2
ARCH	2	Materials of Construction	3
ARCH	3A	Architectural Practices I	3
ARCH	11	Arch Blueprint Reading	3
ARCH	12	Construction Estimating	2
DRA	1	Technical Drafting I	3
DRA	5	Intro to Computer Aided Drafting/Design	2
ENGR	2	Surveying	2
BIT	10	Introduction to UBC	3
BIT	48	Seminar	4
BUAC	1	Accounting	3

AGBU 5 Microcomputer Applications ... 3  
 Required Subtotal ..... 33  
 Elective Subtotal (with Advisor approval) .. 10  
 General Education Subtotal ..... 18

To include:  
 MATH 5 Trigonometry (4)  
 NR 1 Conserv of Natural Resources (3)  
 ARCH 11 Arch. Blueprint Reading (3)  
 DEGREE TOTAL ..... 61

Advisor: O'Donnell

**INTERIOR DESIGN**

A.A. Degree & Preparation for Employment  
Courses Required:

Dept.	No.	Title	Units
IDSN	10	Interior Design	3
DRA	1	Technical Drafting	3
CT	10	Textile: Fiber and Filaments	3
IDSN	14	History of Interior Architect.	3
IDSN	12	Residential Interior Design	3
IDSN	16	Color: Theory & Application	3
ARCH	3A	Architectural Practice I	3
IDSN	18	Kitchen and Bath Design	3
IDSN	20	Commercial Space Planning & Design	3
ARCH	5	Intro to Drawing & Perspectives	2
IDSN	22	Materials and Process in Interior Design	3
IDSN	24	Lighting for Interior Design	3
IDSN	28	Professional Practices in Interior Design	3
IDSN	30	Presentation Methods in Interior Design	3

Required Subtotal ..... 41  
 Elective Subtotal ..... 3  
 Recommended: (3 units minimum)  
 AGBU 5 Microcomputer Applications (3)  
 DRA 5 Intro to Computer Aided Drafting/Design (2)  
 General Education Subtotal ..... 18  
 To include: ART 3A Basic Design&Color  
 DEGREE TOTAL ..... 62

Advisor: E. Lawson

NOTE: Students should be aware that not all Interior Design courses are offered every year.

## FASHION/CLOTHING AND NUTRITION

Offerings in these program areas help prepare students to pursue employment and/or advanced training in their chosen career field and related occupations.

### NUTRITION CARE: DIETETIC

TECHNICIAN A.A. Degree

Orange Coast College and College of the Desert A.A. degree is earned at College of the Desert and the Certificate of Achievement is issued by Orange Coast College. This program is approved by the American Dietetic Association. 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.

Courses Required:

Dept.	No.	Title .....	Units
BI	21	Anatomy & Physiology .....	3
<b>OR</b>	BI 23	Human Physiology (5)	
HEC	13	General Nutrition .....	3
CART	10	Food Procurement & Cost Control .....	3
HEFS	1	Sanitation and Safety .....	3
*NC	100	Intro to Dietetic Tech .....	3
HEFS	75	Supervision & Training Tech ..	3
*NC	175	Health Care Field Experience .	3
HEFS	20	Prin. of Quantity Food Preparation .....	3
HEC	14	Therapeutic Diets .....	3
CH	4	Fundamentals of Chemistry ....	4
*NC	280	Intermediate Nutrition Care ....	2
*NC	281	Clinical Experience .....	2
SP	1	Intro to Human Comm. ....	3
SOC	1	Intro Sociology .....	3
*NC	285	Advanced Nutrition Care 2	
*NC	286	Clinical Experience .....	2

Required Subtotal .....45-47  
General Education Requirements COD ..... 18

DEGREE TOTAL ..... Minimum 63-65

\*Taken at Orange Coast College

Advisor: E. Lawson

## FIRE SCIENCE

College of the Desert offers courses in the Fire Science 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 Science field, or as a refresher for those currently employed in some area of Fire Science. The approved list of courses include those accredited by the California Fire Service Training and Educational System for State Board of Fire Science certification.

### FIRE SCIENCE

Preparation for Employment and Certificate Program

Courses Required:

Dept.	No.	Title .....	Units
FS	1	Intro to Fire Technology .....	3
FS	2	Fire Protection Chemistry .....	3
FS	3	Fund. of Fire Prevention .....	3
FS	4	Fire Protection Systems .....	3
FS	5	Fire Service Operations .....	3
EMT	84	Emergency Medical Tech I .....	5
FS	11	Hazardous Materials I .....	3
FS	84	Pump Operations .....	2
Required Subtotal .....			25
Electives (with Advisor consent) .....			3
<b>CERTIFICATE TOTAL .....</b>			<b>28</b>

Advisors: Walker; Rogers - CMC

### FIRE SCIENCE

A.S. Degree

Courses Required:

Dept.	No.	Title .....	Units
FS	1	Intro to Fire Technology .....	3
FS	2	Fire Protection Chemistry .....	3
FS	3	Fund. of Fire Prevention .....	3
FS	4	Fire Protection Systems .....	3
FS	5	Fire Service Operations .....	3
EMT	84	Emergency Medical Tech I .....	5
FS	11	Hazardous Materials I .....	3

FS 84 Pump Operations .....	2
Required Subtotal .....	25
Fire Science Electives .....	9
Other Electives .....	8
General Education Requirements .....	<u>18</u>
DEGREE TOTAL .....	60

Advisors: Walker ; Rogers - CMC

## 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. **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.

## FRENCH, ITALIAN, OR SPANISH

A.A. DEGREE and Preparation for Transfer  
Courses Required:

Dept.	No.	Title	Units
FL	1, 2	Elementary	10
<b>OR</b>		FL 1AB, 2AB Elementary (12)	
FL	3, 4	Intermediate	8
FL		40 or 2nd language 1A or 1	3-5
FL		8A or B or 2nd language 1B or 2	3-5

Required Subtotal .....	24-30
Elective Subtotal .....	18

Recommended Electives:

HIST 1,2 History of Western Civ. (6)

HIST 17 U.S. History (3) **OR**

HIST 18 U.S. History (3)

PS 1 Intro to Government (3)

ENG 1B Composition & Literature (3)

SP 1 Intro to Human Comm. (3) **OR**

SP 15 Intercultural Communication (3)

General Education Requirements .....

DEGREE TOTAL .....

Advisors:

French - Attoun, Deti

German - Deti

Italian - Sottile

Japanese - Attoun

Russian - Attoun

Spanish - Deti, Sottile

## 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 Activity Courses are also listed under Courses of Instruction.



**PHYSICAL EDUCATION**

Preparation for Transfer to a Four-Year College and/or A.A. Degree

Courses Required:

Dept.	No.	Title	Units
HE	1	Personal & Comm. Health	*
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	23	Life Saving	2
PE	40-97	Physical Education Activity	4
RE	1	Intro to Comm. Recreation	3
RE	2	ABCD Recreation Field Work	2

Required Subtotal	23
General Education Requirements	<u>39</u>
<b>DEGREE TOTAL</b>	<b>62</b>

Advisor: Marman

\*HE 1 is included in General Education Requirements

**RECREATION**

Preparation for Transfer to a Four-Year College and/or A.A. Degree

Courses Required:

Dept.	No.	Title	Units
RE	1	Intro to Comm. Recreation	3
RE	2	ABCD Recreation Field Work	2
HE	1	Personal and Comm. Health	*
PE	1	First Aid and Safety	3
PE	2	Sports Officiating	3
PE	8	Intro to Health & P.E.	3
PE	23	Life Saving	2
PE	40-97	Physical Education Activity	4
MUS		Beginning Musical Instrument	2

Required Subtotal	22
General Education Requirements	<u>39</u>
<b>DEGREE TOTAL</b>	<b>61</b>

Advisor: Marman

\*HE 1 is included in General Education Requirements

**HUMAN SERVICES**

This Division is developing certificate and AA/AS programs that will serve the needs of our growing college community. The area of programs that deal with serving the public at large are under our purview. The Drug and Alcohol Abuse Counseling Certificate program opens each Fall semester and the course sequence must be followed.

**ALCOHOL/DRUG STUDIES**

A.A. Degree and Preparation for Employment

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

Required Subtotal	32
Program Electives	14-15
(with Advisor approval)	
General Education Subtotal	<u>18</u>
<b>DEGREE TOTAL</b>	<b>64-65</b>

Advisor: Bolanos

**ALCOHOL/DRUG STUDIES**

Certificate Program and Preparation for Employment

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

Advisor: Bolanos

**EARLY CHILDHOOD EDUCATION**

A.A. Degree

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	32	Child Abuse and Neglect	1
ECE	40A	Creative Studies for Young Children	2
ECE	40C	Music for Young Children 2	2
ECE	42	Play, Socialization, Discipline	3
Required Subtotal			20

ELECTIVES - Select 12 units from this list of recommended courses:

ECE	10B	Child Growth & Development	3
ECE	16	Parenting the Child Under Six	1
ECE	19	Children's Lang. and Lit.	3
ECE	20	Infant/Toddler Growth & Development	3
ECE	21	Infant/Toddler Environments	2
ECE	22	Nutrition/Menu Planning for Children	1
ECE	24	Administration of Programs for Young Children	3
ECE	25	Adv. Admin. of Programs for Young Children	3
ECE	30A	Curriculum Design & Implementation I	1
ECE	30B	Curriculum Design & Implementation II	1
ECE	30C	Curriculum Design & Implementation III	1
ECE	33	Survey of Special Education	3
ECE	35A	Understanding Emotionally Handicapped Child	1
ECE	35B	Understanding the Learning Disabled Child	1
ECE	35C	Understanding the Developmentally Disabled Child	1
ECE	35D	Working with the Physically Handicapped Child	1
ECE	40B	Movement Activities for Young Children	2
ECE	40D	Science & Number Concepts for Young Children	2
ECE	44	Child Health & Safety	2
ECE	45A	Licensed Family Child Care I	1
ECE	45B	Licensed Family Child Care II	1
Elective Subtotal			12
General Education Requirements			18
Electives as needed to complete 60 units			10
DEGREE TOTAL			60

Advisor: Barnett

**EARLY CHILDHOOD EDUCATION**

Preparation for Transfer and A.A. Degree

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	32	Child Abuse and Neglect .....	1
ECE	40A	Creative Studies for Young Children .....	2
ECE	40C	Music for Young Children .....	2
ECE	42	Play, Socialization, Discipline.	3
PSY	10	Psychological Aspects of Marriage & Family .....	3
Required Subtotal .....			26
General Education Requirements* .....			44-46
to include the following:			
BI	4	Elements of Biology (3)	
BI	4L	Elements of Biology Lab (1)	
MATH	14	Statistical Methods (4)	
HIST	17 or 18	U.S. History (3)	
PS	1	Intro to Government (3)	
SOC	1	Intro to Sociology (3)	
PSY	1	General Psychology (3)	
PSY	3	Developmental Psychology (3)	
DEGREE TOTAL .....			70-72

Advisor: Barnett

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

**EARLY CHILDHOOD EDUCATION  
COURSE OF STUDY FOR  
TEACHERS IN PRIVATE NURSERY  
SCHOOLS AND CHILD CARE  
CENTERS**

Courses offered at College of the Desert fulfilling California Department of Social Services

requirements of 12 semester units for fully qualified teachers in private centers (Title 22 Teacher) are:

Courses Required - 6 units

Dept.	No.	Title .....	Units
ECE	10A	Child Growth and Development .....	3
ECE	12	Child, Family and Community .	3
Electives - Minimum of 6 units			
ECE	14	Early Childhood Principles & Practices .....	3
ECE	15	Early Childhood Laboratory ....	2
ECE	40A	Creative Activities for Young Children .....	2
ECE	40B	Movement Activities for Young Children .....	2
ECE	40C	Music Activities for Young Children .....	2
ECE	40D	Science & Number Concepts for Young Children .....	2

The following courses are recommended for infant/toddler teachers:

ECE	20	Infant/Toddler Growth & Development .....	3
ECE	21	Infant/Toddler Environments ...	2

CERTIFICATE TOTAL .....

Advisor: Barnett

**EARLY CHILDHOOD EDUCATION**

Title 22 Teacher Certificate

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	Creative Activities for Young Children .....	2
ECE	42	Play, Socialization & Discipline .....	3

CERTIFICATE TOTAL .....

Advisor: Barnett

### EARLY CHILDHOOD EDUCATION

Title 22 Supervision Certificate

Courses Required:

Dept.	No.	Title .....	Units
ECE	10A	Child Growth & Development ..	3
ECE	12	Child, Family and Community	3
ECE	24	Admin. of Programs for Young Children .....	3
<b>OR</b>	ECE 25	Advanced Admin. of Programs for Young Children (3)	
Required Subtotal .....			9
Elective Subtotal .....			6

CERTIFICATE TOTAL ..... 15

Advisor: Barnett

### EARLY CHILDHOOD EDUCATION

Title 5 Supervision Certificate

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	Creative Activities for Young Children .....	2
ECE	42	Play, Socialization & Discipline .....	3
ECE	24	Admin. of Programs for Young Children .....	3
ECE 25	Advanced Admin. of Programs for Young Children .....		3

Required Subtotal ..... 18  
 Elective Subtotal ..... 12  
 General Education Requirements ..... 16  
 CERTIFICATE TOTAL ..... 46

Note: Two (2) years verified experience working with young children is required.

Advisor: Barnett

### EARLY CHILDHOOD EDUCATION

Children's Center Permit (Issued by the State of California)

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	Creative Activities for Young Children .....	2
ECE	42	Play, Socialization & Discipline .....	3
Required Subtotal .....			12
Elective Subtotal .....			12
General Education Requirements .....			16
CERTIFICATE TOTAL .....			40

Note: Two (2) years verified experience working with young children is required.

Advisor: Barnett

### EARLY CHILDHOOD EDUCATION

Certificate in Licensed Family Child Care

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

Advisor: Barnett

## LIBERAL ARTS

The Liberal Arts major is comprised of General Education courses plus additional transferable coursework to total 60 units. The General Education courses are to be the thirteen courses selected to fulfill the California State University General Education Certification.

## 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.

## MATHEMATICS

### MATHEMATICS

Preparation for Transfer to a Four-Year College and/or A.S. Degree

Courses Required:

Dept.	No.	Title .....	Units
MATH	1A	Calculus w/Analytic Geometry	5
MATH	1B	Calculus w/Analytic Geometry	5
MATH	2A	Calculus w/Analytic Geometry	5
MATH	2B	Linear Algebra .....	4
<b>AND/OR</b>			
MATH	2C	Ordinary Differential Equa.(4)	4
PH	4A	Engineering Physics .....	5
PH	4B	Engineering Physics .....	5
PH	5	Computer Programming I.....	3
<b>OR</b>		BUCS 50 "C" Computer Prog.(3)	
Required Subtotal .....			32
General Education Requirements .....			33
<b>DEGREE TOTAL .....</b>			<b>65</b>

Advisors: K. Dostal, S. Dostal, G. Hagopian, J. Parvizi, P. Patterson, B. Romer

## 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 has offerings in the area of Commercial Music which have shown considerable significance in acquainting students with the required expertise for this field.

The Department offerings divide themselves into four categories:

1. Required and elective courses for the Music Major.
2. Music performance organizations open to both major and non-major.
3. Humanities courses primarily directed to the non-major.
4. Courses pertaining to Commercial Music.

Persons planning to major in music should confer with an advisor within the department before selecting courses toward that major.

### MUSIC

Preparation for Transfer to a Four-Year College and/or A.A. Degree

Courses Required:

Dept.	No.	Title .....	Units
MUS	1	Musicianship .....	12
MUS	2	Harmony .....	12
MUS	3A,B	History & Lit of Music .....	6
<b>OR</b>			
MUS	11A,B	Survey of Music Literature (6)	
MUS	4	Counterpoint .....	3
MUS	40-48	Music Performance .....	8
			A,B,C,D (2 units per semester)
Four units of Performance Organization chosen from the following courses:.....			4
MUS	31,	College Orchestra	
MUS	32,	College Chorus	
MUS	33,	Symphonic Band	
MUS	34,	Vocal Ensemble	
MUS	35,	Instrumental Chamber Ensemble	
MUS	71,	Jazz Ensemble	

MUS 99 Recital Attendance is required of all enrolled in Music Performance 40-48 ABCD.

Suggested elective courses:

- MUS 14, Survey of Opera
- MUS 15, Intro. to Music Theory
- MUS 21, Class Piano
- MUS 22, Class Voice
- MUS 28, Piano Ensemble
- MUS 39, Class Guitar

MUS 40- 48 Music Performance	
MUS 50 Piano Pedagogy	
MUS 51 Arranging	
MUS 55 Singers' Diction	
MUS 70 Intro to Commercial Music	
MUS 71 Jazz Ensemble	
MUS 72 Celebration/Production	
MUS 73 Celebration/Choreography	
MUS 75 Recording Techniques	
MUS 78 Computers and Music	
MUS 81- 88 **Music Performance	
Required Subtotal .....	45
General Education Requirements .....	39
<b>DEGREE TOTAL .....</b>	<b>84</b>

Advisor: Norman

\*\*May receive no transfer recognition to four year universities.

## SCIENCES BIOLOGICAL, CHEMICAL AND PHYSICAL

The 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.

### BIOLOGY, PRE-PROFESSIONAL

(INCLUDES BIOLOGY, ZOOLOGY, BOTANY, PREMEDICINE, PREDENTISTRY, PREPHARMACY, PREVETERINARY MEDICINE, MICROBIOLOGY, ENTOMOLOGY, PARASITOLOGY, BIOLOGICAL OCEANOGRAPHY)

Preparation for Transfer to a Four-Year College and/or A.S. Degree

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	Calc w/Analytic Geometry .....	5
MATH	1B	Calc w/Analytic Geometry .....	5
BI	1A	General Biology - Principles ....	5
BI	1B	General Zoology .....	5
BI	1C	General Botany .....	5

(Consult catalog of transfer institution for specific requirements).

Consult course descriptions for prerequisites.

Required Subtotal .....	39
General Education Requirements .....	25
<b>DEGREE TOTAL .....</b>	<b>62</b>

\*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.

Advisors:

- Bender - Bacteriology, Microbiology, Nursing, Veterans
- Bowie - Botany, Pre-pharmacy, Pre-veterinary Medicine
- Burrage - Biology, Entomology, Parasitology, Zoology
- Salter - Biology
- Tracey - Premedicine and Predentistry
- White - CMC, All Fields

**CHEMISTRY**

(INCLUDES BIO-CHEMISTRY)

Preparation for Transfer to a Four-Year  
College and/or A.S. Degree

Courses Required:

Dept.	No.	Title	Units
CH	1A	General Chemistry	5
CH	1B	General Chemistry	5
MATH	1A	Calculus w/Analytic Geometry	5
MATH	1B	Calculus w/Analytic Geometry	5
PH	2A,B	College Physics	8
<b>OR</b>	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 Requirements ..... 40

DEGREE TOTAL ..... 78-80

Advisor: Tracey, White-CMC

**ENVIRONMENTAL SCIENCES OR  
NATURAL RESOURCES**

Preparation for Transfer to a Four-Year  
College and/or A.S. Degree

Courses Required:

Dept.	No.	Title	Units
BI	1A	General Biology - Principles ...	5
BI	1B	General Zoology	5
<b>OR</b>	BI	1C General Botany (5)	
CH	1A	General Chemistry	5
<b>OR</b>	CH	3 Intro. General Chem (4)	
G	1	Physical Geology	3
<b>OR</b>	G	5 Environmental Geology (3)	
G	5L	Environmental Geology Lab ....	1
<b>OR</b>	G	1L Physical Geology Lab (1)	
(can take with G5)			
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:**

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
<b>OR</b>	PH	4A Engineering Physics (5)	
	PH	4B Engineering Physics (5)	
MATH	14	Statistical Methods	4
MATH	10	College Algebra	4
MATH	1A	Calculus w/ Analytic Geometry	5
MATH	1B	Calculus w/Analytic Geometry	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	3
AGPS	2	Entomology - Gen. & Applied	3
NR	2	Intro to Forestry	3
NR	2L	Intro to Forestry Lab	2
NR	3	Intro to Wildlife Management	3
NR	3L	Intro to Wildlife Mgmt Lab	1
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 Electives ..... 14-18

DEGREE TOTAL ..... 60-70

Advisors: Meyer, Walker

(See Natural Resources additional courses in  
Agriculture Department)

**INTERDEPARTMENTAL  
ENVIRONMENTAL STUDIES**

Preparation for Transfer to a Four-Year  
College and/or A.S. Degree

Courses Required:

Dept.	No.	Title	Units
G	1	Physical Geology	3
G	1L	Physical Geology Lab	1

<b>OR</b>	G 5 Environmental Geology (3)	
	& G 5L Environ. Geology Lab (1)	
<b>OR</b>	G 10 Earth Science (3)	
	& G 10L Earth Science Lab (1)	
<b>BI</b>	1A General Biology - Principles ...	5
<b>OR</b>	BI 4 Elements of Biology (3)	
	& BI4L Elements of Biology Lab (1)	
<b>CH</b>	3 Intro General Chemistry .....	4
<b>OR</b>	CH 4 Fund. of Chemistry (4)	
<b>NR</b>	4 Conserv of Natural Resources .	3
<b>NR</b>	1L Conserv of Natural Res Lab ....	1
<b>GEOG</b>	1 Physical Geography .....	3
<b>MATH</b>	10 College Algebra .....	4
Required Subtotal .....		23-24

A minimum of 26 additional units to be chosen from the following (Confer with Advisor):

<b>NR</b>	2 Intro to Forestry .....	3
<b>NR</b>	2L Intro to Forestry Lab .....	1
<b>NR</b>	3 Intro to Wildlife Management .	3
<b>NR</b>	3L Intro to Wildlife Mgmt Lab ....	1
<b>AGPS</b>	1 Soils and Plant Nutrition .....	3
<b>AGPS</b>	2 Entomology .....	3
<b>AGPS</b>	10 Environmental Gardening .....	2
<b>AGPS</b>	10A Environmental Gardening Lab	1
<b>AGPS</b>	10B Environmental Gardening Lab	1
<b>OH</b>	1 Horticulture .....	3
<b>OH</b>	1L Horticulture Lab .....	1
<b>GEOG</b>	1 Cultural Geography .....	3
<b>G</b>	1,2, Geology Elective(s) .....	3-8
	5,10	
<b>PS</b>	1 Intro to Government .....	3
<b>MATH</b>	14 Statistical Methods .....	4
<b>MATH</b>	10 College Algebra .....	4
<b>ECON</b>	1 Principles of Macroeconomics .	3
Architecture Elective(s) .....		2-6
Energy Resource Elective .....		3-4
Biology Elective(s) .....		3-8
Computer Courses .....		3-6
Speech Elective .....		3

Required Subtotal .....		23-24
Elective Subtotal .....		26-28
General Education Electives .....		11-14
DEGREE TOTAL .....		60-66

Advisors: Meyer, Walker

## GEOLOGY

(INCLUDES EARTH SCIENCE, PALEONTOLOGY, PHYSICAL OCEANOGRAPHY)

Preparation for Transfer to a Four-Year College and/or A.S. Degree

Courses Required:

Dept.	No.	Title .....	Units
<b>CH</b>	1A	General Chemistry .....	5
<b>CH</b>	1B	General Chemistry .....	5
<b>PH</b>	2A	College Physics .....	4
<b>PH</b>	2B	College Physics .....	4
<b>OR</b>	PH 4A	Engineering Physics (5)	
	PH 4B	Engineering Physics (5)	

(Physics requirement depends on transfer institution.)

<b>BI</b>	1A	General Biology .....	5
<b>BI</b>	1B	General Zoology .....	5
<b>BI</b>	1C	Gen. Botany (Recommended) (5)	
<b>MATH</b>	1A	Calculus w/Analytic Geometry	5
<b>MATH</b>	1B	Calculus w/Analytic Geometry	5
<b>G</b>	1	Physical Geology .....	3
<b>G</b>	1L	Physical Geology Lab I .....	1
<b>G</b>	2	Historical Geology .....	4
<b>G</b>	3	Elementary Mineralogy .....	4

Consult course descriptions for prerequisites.

Required Subtotal .....		46-50
General Education Requirements .....		20-25
DEGREE TOTAL .....		66-71

Advisor: Meyer, White-CMC

(Consult with an advisor before embarking on program.)



## PHYSICS

Preparation for Transfer to a Four-Year College and/or A.S. Degree

Courses Required:

Dept.	No.	Title	Units
MATH	1A	Calculus w/Analytic Geometry	5
MATH	1B	Calculus w/Analytic Geometry	5
MATH	2A	Calculus w/Analytic Geometry	5
MATH	2C	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	25

DEGREE TOTAL ..... 64-67

Advisor: Grannan

## 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

Preparation for Transfer to a Four-Year College and/ A.A. Degree

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
General Education Requirements			51
DEGREE TOTAL			60

Advisor: McWilliams

## GEOGRAPHY

Preparation for Transfer to a Four-Year College and/or A.A. Degree

Courses Required:

Dept.	No.	Title	Units
GEOG	1	Physical Geography	3
GEOG	2	Cultural Geography	3
GEOG	7	Regional Geography	3
Required Subtotal			9
General Education Requirements			51
DEGREE TOTAL			60

Advisor: McWilliams

## HISTORY

Preparation for Transfer to a Four-Year College and/or A.A. Degree

Courses Required:

Dept.	No.	Title	Units
HIST	1	History Western Civilization	3
HIST	2	History Western Civilization	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 Requirements			39
DEGREE TOTAL			60

Advisor: Thu; Dean-CMC

**PHILOSOPHY**

Preparation for Transfer to a Four-Year College and/or A.A. Degree

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:

BUCS	73	Intro to Computer Science	3
BUCS	73L	Intro to Computer Sci. Lab	1

Required Subtotal	10
Electives*	11
General Education Requirements	39
<b>DEGREE TOTAL</b>	<b>60</b>

\*Recommended electives/general education courses:

HIST	1	History of Western Civ.	3
HIST	2	History of Western Civ.	3
ANTH	2	Cultural Anthropology	3
PSY	2	General Psychology	3
PHIL	12	Religions of the World	3
PHIL	13	Perspectives Death & Dying	3
PHIL	14	Introduction to Ethics	3

Advisor: Flatt

**POLITICAL SCIENCE**

Preparation for Transfer to a Four-Year College and/or A.A. Degree

Courses Required:

Dept.	No.	Title	Units
PS	1	Intro. to Government	3
PS	2	Intro. to Comparative Gov't	3
PS	4	Intro. to Internat'l Relations	3

With advisor assistance, select additional Social Science courses to complete a minimum of 20

units in the Social Sciences.

Required Subtotal	20
General Education Requirements	40
<b>DEGREE TOTAL</b>	<b>60</b>

Advisor: Gudelunas; Merritt-CMC

**PSYCHOLOGY**

Preparation for Transfer to a Four-Year College and/or A.A. Degree

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)	
Subtotal			12-13

Choose 11 additional units from the following: (in consultation with advisor)

BI	1A	General Biology	5
BUCS	73	Intro to Computer Science	3
BUCS	73L	Intro to Computer Sci. Lab	1
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
Subtotal			11

Required Subtotal	23-24
General Education Requirements	39

<b>DEGREE TOTAL</b>	<b>62-63</b>
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Advisor: Jordan, Mathewson

**SOCIAL SCIENCE**

Preparation for Transfer to a Four-Year College and/or A.A. Degree

Courses Required:

Dept.	No.	Title	Units
PS	1	Introduction to Government	3
PS	2	Comparative Government	3
HIST	1	Western Civilization	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 Requirements		39
DEGREE TOTAL		60

Advisor: Flatt

### SOCIOLOGY

Preparation for Transfer to a Four-Year  
College and/or A.A. Degree  
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
SOC	14	Minority Groups in Americas	3
PSY	1	General Psychology	3
Required Subtotal		21	
General Education Requirements		39	
DEGREE TOTAL		60	

Advisor: Bolanos

### THEATRE ARTS

#### THEATRE ARTS

Preparation for Transfer to a Four-Year  
College and/or A.A. Degree  
Courses Required:

Dept.	No.	Title	Units
*TA	1	Introduction to Theatre	3
*TA	2A	Acting I	3
TA	22A	Play Production	3
TA	9A	Stagecraft I	3
TA	3A	Acting II	3

Electives to be determined in conference  
with advisor from English,  
Radio-Television, or Speech

\*May be counted toward General Education  
Requirements

Required Subtotal	21-24
General Education Requirements*	39
*MC 1 - Mass Media in American Culture, recommended	

DEGREE TOTAL 60-63

Advisor: Nicholson

## ANNOUNCEMENT OF COURSES

The courses on the following pages are alphabetically arranged by subject matter. 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.)

Students who have had training or experience which they believe is equivalent to a prerequisite course may enroll in the course level appropriate with their experience. Concerns about placement should be discussed with the Division Chairperson.

### 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 following section. The CSU or UC designates courses accepted for elective credit. Such courses count for the 56 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. 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.

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# COURSES OF INSTRUCTION

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## ACADEMIC SKILLS CENTER

- ASC 5  
½ Unit  
Lecture: 4 hours  
Laboratory: 12 hours  
per semester
- ASC 10A-D  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours
- ASC 54  
1 Unit  
Lecture: 1 hour
- ASC 55  
½ Unit  
Lecture: .5 hour
- ASC 97A-D  
½ Unit  
1.5 hours  
98A-D  
1 Unit  
3 hours
- ASC 100  
0 Unit
- TUTOR TRAINING**  
This course provides the training, practicum, and applied projects necessary for success in peer tutoring.  
*Prerequisite: Eligibility for Eng 51 and grade of A or B in course being tutored*  
Associate Degree Applicable
- TUTOR TRAINING - AVID**  
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 with completion of ENG 51 and MATH 50 or equivalent*
- APPLIED STUDY SKILLS**  
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.
- SKILLS DEVELOPMENT - ELECTRONIC**  
This course provides electronic vocabulary terminology for notetaking, outlining, and report writing, leading to overall improvement in study habits.  
*Prerequisite: Eligibility for ENG 51 and RDG 51*
- SUPPLEMENTAL LEARNING LAB**  
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: Concurrent enrollment in an academic course*
- SUPERVISED TUTORING**  
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. A student does not have to register for tutoring at formal registration. Registration may be completed in the Tutorial Center.

## ADMINISTRATION OF JUSTICE

- AJ 1  
3 Units  
Lecture: 3 hours
- INTRODUCTION TO THE ADMINISTRATION OF JUSTICE**  
This is a study of the history and philosophy of administration of justice in America; recapitulation of the system; identifying the various sub-systems, role expectations, and their inter-relationships. It covers theories of crime, punishment, and rehabilitation; ethics, education and training for professionalism in the system.  
*Prerequisite: Eligibility for ENG 51*  
CSU, UC, Associate Degree Applicable

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AJ 2  
3 Units  
Lecture: 3 hours

#### CRIMINAL LAW

This is a study of the historical development; philosophy of law and constitutional provisions; definitions and 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: Eligibility for ENG 51; AJ 1 recommended*  
CSU, UC, Associate Degree Applicable

AJ 3  
3 Units  
Lecture: 3 hours

#### LEGAL ASPECTS OF EVIDENCE

This course includes a study of the origin, development, philosophy and constitutional basis for the rule 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: Eligibility for ENG 51; AJ 1 and AJ 2 recommended*  
CSU, Associate Degree Applicable

AJ 4  
3 Units  
Lecture: 3 hours

#### PRINCIPLES & PROCEDURES OF THE JUSTICE SYSTEM

This is an in-depth study of the role and responsibilities of each segment within the Administration of Justice System: law enforcement, judicial, corrections. A past, present and future exposure to sub-system procedures from initial entry to final disposition and the relationship each segment maintains with its system members and the community.

*Prerequisite: Eligibility for ENG 51; AJ 1 and AJ 2 recommended*  
CSU, UC, Associate Degree Applicable

AJ 5  
3 Units  
Lecture: 3 hours

#### COMMUNITY RELATIONS

This course includes an in-depth survey of the relationship of the Criminal Justice System and the community. Through study and interaction the student will probe the causal and symptomatic aspects of community misunderstanding, lack of cooperation and mistrust. The course examines the concept that community relations develops through a continuing process of interaction between the criminal justice practitioner and the citizen. Emphasis will be directed not only to the character of community relations, but also to methods for understanding how such a relationship is developed, maintained, and may be changed.

*Prerequisite: Eligibility for ENG 51; AJ 1 and AJ 2 recommended*  
CSU, UC, Associate Degree Applicable

AJ 6  
3 Units  
Lecture: 3 hours

#### PRINCIPLES OF INVESTIGATIONS

This course includes the study of basic principles of all types of investigations utilized in the Justice System. Coverage will include human aspects in dealing with the public, specific knowledge necessary for handling crime scenes; interviews, evidence, surveillance, follow-up, technical resources, and case preparation.

*Prerequisite: Eligibility for ENG 51; AJ 1 and AJ 2 recommended*  
CSU, Associate Degree Applicable

AJ 7  
3 Units  
Lecture: 3 hours

#### CRIMINAL SUBSTANTIVE LAW

This is an in-depth study of the substantive laws commonly encountered by the municipal, county, or state police officer or investigator, or other criminal justice employees. The scope of the course includes misdemeanor and felony, violations of the criminal statutes, and will provide an understanding of California codified law, and an overview of case decisions.

*Prerequisite: Eligibility for ENG 51; AJ 1 and AJ 2 recommended*  
CSU, Associate Degree Applicable

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<p>AJ 8 3 Units Lecture: 3 hours</p>	<p><b>CONCEPTS OF ENFORCEMENT SERVICES</b> Topics discussed in this course include: exploration of theories, philosophies, and concepts related to the role expectations of the line enforcement officer. Emphasis is placed upon the patrol, traffic, and public service responsibilities and their relationship to the Administration of Justice system. <i>Prerequisite: Eligibility for ENG 51; AJ 1 and AJ 2 recommended</i> CSU, Associate Degree Applicable</p>
<p>AJ 9 3 Units Lecture: 3 hours</p>	<p><b>TRAFFIC CONTROL</b> Basic accident investigation; the use of the State Accident Report Form; the principles of "selective" enforcement; parking and intersection control; the basic provisions of the California Vehicle Code governing the operation of motor vehicles; and the responsibilities of the community in traffic control will be studied. <i>Prerequisite: Eligibility for ENG 51; AJ 1 and AJ 2 recommended</i> CSU, Associate Degree Applicable</p>
<p>AJ 10 3 Units Lecture: 3 hours</p>	<p><b>JUVENILE LAW AND PROCEDURE</b> This course is an introduction to major types of criminal behavior, role careers of offenders and factors which contribute to the production of 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. <i>Prerequisite: Eligibility for ENG 51; AJ 1 and AJ 2 recommended</i> CSU, Associate Degree Applicable</p>
<p>AJ 11A-D 1 Unit Lecture: ¾ hour Laboratory: ¾ hour</p>	<p><b>FIREARMS</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, Associate Degree Applicable</p>
<p>AJ 14 3 Units Lecture: 3 hours</p>	<p><b>CRIME SCENE AND LABORATORY TECHNIQUES</b> 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. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> Associate Degree Applicable</p>
<p>AJ 15 3 Units Lecture: 3 hours</p>	<p><b>VEHICLE CODE &amp; TRAFFIC ACCIDENT INVESTIGATION</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, Associate Degree Applicable</p>
<p>AJ 16 3 Units Lecture: 3 hours</p>	<p><b>NARCOTICS CONTROL</b> This is a study of the laws relating to narcotics and dangerous drugs. It includes the procedures and problems in investigations and the control of violations of narcotic laws. The identification and effect of narcotic and dangerous drugs on users and preparation of a case for court presentation will be covered. <i>Prerequisite: Eligibility for ENG 51</i> CSU, Associate Degree Applicable</p>

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- AJ 17  
3 Units  
Lecture: 3 hours
- WILDLIFE LAW ENFORCEMENT**  
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: Eligibility for ENG 51 or concurrent enrollment in ENG 50*  
Associate Degree Applicable
- AJ 18  
3 Units  
Lecture: 3 hours
- CONSTITUTIONAL LAW FOR POLICE**  
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: Eligibility for ENG 51 or concurrent enrollment in ENG 50*  
Associate Degree Applicable
- AJ 19  
3 Units  
Lecture: 3 hours
- PEACE OFFICER: ARREST/FIREARMS PC 832 LEVEL III**  
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: Eligibility for ENG 51*  
CSU, Associate Degree Applicable
- AJ 20  
5 Units  
Lecture: 5 hours
- PEACE OFFICER RESERVE/LEVEL II**  
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 College of the Desert's agreement with P.O.S.T., this course must meet a minimum of 99 hours, 90 hours lecture and 9 hours laboratory.  
*Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50*  
CSU, Associate Degree Applicable
- AJ 21 A-I  
1.5 Units  
Lecture: 1.5 hours
- ADVANCED OFFICER'S COURSE**  
This course provides technical advanced officer training on a variety of subjects as needed. The subjects will be approved and certified by the California Commission on Peace Officers Standard and Training (P.O.S.T.). Each presentation will be a minimum of 24 hours as required by P.O.S.T. Subjects will include case investigation, reporting, evidence and handling and processing, interpersonal relationships, communications, and changes in the law resulting from court decisions.  
*Prerequisite: Eligibility for ENG 51; Law Enforcement Agency member, or completion of 12 or more semester units in Administration of Justice courses*  
CSU, Associate Degree Applicable
- AJ 22  
3 Units  
Lecture: 3 hours
- POLICE SUPERVISION**  
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: Eligibility for ENG 51*  
CSU, Associate Degree Applicable
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<p>AJ 24 3 Units Lecture: 3 hours</p>	<p><b>REPORT WRITING</b> This course teaches students the techniques of accurate report writing and record keeping in police work. It is intended to help the police officer analyze what is seen and to write a coherent record that could be used in criminal prosecution. <i>Prerequisite: Eligibility for ENG 51</i> CSU, Associate Degree Applicable</p>
<p>AJ 40 A-H ½ Unit Lecture: 9 hours</p>	<p><b>SKILLS AND KNOWLEDGE MODULAR TRAINING</b> This course provides technical knowledge and skills in a variety of subjects as needed and requested by local law enforcement agencies and the Administration of Justice Advisory Committee. The subjects covered will be variable as requested and will be approved and certified by the California Commission on Peace Officers Standard and Training (P.O.S.T.). Each presentation will be a minimum of eight (8) hours as required by P.O.S.T. Subjects will include case investigation, reporting, evidence handling and processing, interpersonal relationships and communications. <i>Prerequisite: Eligibility for ENG 51 and be a member of a Law Enforcement Agency</i> Associate Degree Applicable</p>

## AGRICULTURE

### AGRI-BUSINESS (AGBU)

<p>AGBU 3 3 Units Lecture: 3 hours</p>	<p><b>INTERNATIONAL AGRICULTURE</b> 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. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, UC, Associate Degree Applicable</p>
<p>AGBU 5 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>MICROCOMPUTER APPLICATIONS</b> This hands-on course is designed to introduce students to microcomputers and basic computer concepts. Emphasis is placed on applications including: word processing, electronic spreadsheets, database management, graphics, educational programs, telecommunications and introductory programming. Also, evaluating, selecting, and purchasing hardware and software will be discussed. <i>Prerequisite: Eligibility for ENG 51</i> CSU, Associate Degree Applicable</p>
<p>AGBU 7 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>ADVANCED MICROCOMPUTER APPLICATIONS</b> This course enables students to obtain in-depth experience with database management, electronic spreadsheet and telecommunication programs on microcomputers. <i>Prerequisite: AGBU 5 or equivalent</i> CSU, Associate Degree Applicable</p>
<p>AGBU 11 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>MANAGEMENT RECORDS</b> This course encompasses the study of employer requirements, business records and accounting procedures to analyze and enhance management decisions. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
<p>AGBU 59A-C 1 Unit Lecture: 1 hour</p>	<p><b>AGRICULTURAL EXPERIENCE PROGRAM</b> This course provides experience in organizing and conducting meetings, preparing resumes and employment interviews. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>

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<p>AGBU 70A-C 1-3 Units 1 Unit (A) Laboratory: 3 hours 2 Units (B) Laboratory: 6 hours 3 Units (C) Laboratory: 9 hours</p>	<p><b>SPECIAL PROBLEMS</b> This course provides experience in areas of interest through directed, non-reimbursed participation by students interested in agri-business or a related major. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> Associate Degree Applicable</p>
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**DIESEL MECHANICS (DM)**

<p>DM 65 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>DIESEL ENGINE ACCESSORIES</b> This course includes the servicing of diesel engine accessories such as pumps, air conditioning systems, starters, and alternators. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
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<p>DM 68 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>LIGHT DUTY DIESEL ENGINES</b> This course covers operation, maintenance, preventative maintenance, trouble-shooting, repair and tune-up of light duty diesel engines. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> Associate Degree Applicable</p>
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<p>DM 70 A-C 1-3 Units 1 Unit (A) Laboratory: 3 hours 2 Units (B) Laboratory: 6 hours 3 Units (C) Laboratory: 9 hours</p>	<p><b>SPECIAL PROBLEMS</b> This course is designed to provide experience in areas of interest, through directed, non-reimbursed participation by students in agricultural engineering or a related major. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> Associate Degree Applicable</p>
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<p>DM 71 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>PASSENGER CAR AND LIGHT TRUCK DIESEL</b> This course covers operation, maintenance, preventative maintenance, trouble-shooting, repair and tune-up of diesel engines used in automobiles and light trucks. <i>Prerequisites: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
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<p>DM 72 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>2 CYCLE DIESEL MECHANICS</b> The course includes 2-cycle diesel engine overhaul, engine disassembly, cleaning, inspecting, measuring, servicing diesel engine components. <i>Prerequisites: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
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**AGRICULTURE-ENGINEERING (AGEG)**

<p>AGEG 16 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>BASIC MECHANICAL SKILLS</b> This course is designed to familiarize the student with the identification and use of tools and materials, shop safety, tool sharpening and care, concrete mixes and materials, simple electric wiring, metal work, basic woodworking, estimating quantities and costs. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
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<p>AGEG 28A 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>BASIC WELDING</b> This course offers basic instruction and practice in oxy-acetylene welding and cutting and arc welding. Includes study of welding safety, welding equipment, welding rod, weld joints and position, and metal identification and properties. CSU, Associate Degree Applicable</p>
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<p>AGEG 28B 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>INTERMEDIATE WELDING</b> Advanced oxy-acetylene and arc welding techniques, including joint design and preparation, electrode selection, and weld evaluation are covered. This course is designed for intermediate and advanced students, and may be repeated for credit. <i>Prerequisites: AGEN 28A or WELD 28A</i> CSU, Associate Degree Applicable</p>
<p>AGEG 43 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>TRACTOR OPERATIONS</b> This course is designed to familiarize students with the maintenance and operation of wheel and track type tractors. Emphasis is placed on tractor operation, proper care and safety. Basic principles are developed through discussion, demonstration, and a carefully integrated program of laboratory experience. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
<p>AGEG 47 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>BASIC SURVEYING</b> This course offers theory and hands on experience in engineering surveying. Students will become familiar with surveying terminology, engineering and architect scales, the care and use of levels, transits and related equipment, land measurements, differential leveling, cut and fill computations, contours, traverses, shape staking and deed descriptions. <i>Prerequisite: Eligibility for ENG 51 and MATH 50</i> CSU, Associate Degree Applicable</p>
<p>AGEG 70A-C 1 Unit (A) Laboratory: 3 hours 2 Units (B) Laboratory: 6 hours 3 Units (C) Laboratory: 9 hours</p>	<p><b>SPECIAL PROBLEMS</b> This course is designed to provide experience in areas of interest, through directed, non-reimbursed participation by students in agricultural engineering or a related major. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> Associate Degree Applicable</p>
<p>AGEG 91 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>BASIC HYDRAULICS</b> This course is designed to familiarize the student with theory, application, and component parts of hydraulic systems. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
<p>AGEG 92 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>HYDRAULIC SYSTEMS MAINTENANCE AND REPAIR</b> This course is the continuation of Basic Hydraulics including advanced practices in maintenance and repair of hydraulic systems. <i>Prerequisite: AGEN 91</i> CSU, Associate Degree Applicable</p>
<b>NATURAL RESOURCES (NR)</b>	
<p>NR 1 3 Units Lecture: 3 hours</p>	<p><b>CONSERVATION OF NATURAL RESOURCES</b> This 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 covered 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 on all living organisms, and the role of human beings in reducing their impact on this planet. Suggested for Biological Science General Education Requirements. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, UC, Associate Degree Applicable</p>

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- NR 1L  
1 Unit  
Laboratory: 3 hours
- CONSERVATION OF NATURAL RESOURCES LABORATORY  
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: Concurrent or prior enrollment in NR 1*  
CSU, UC, Associate Degree Applicable
- NR 2  
3 Units  
Lecture: 3 hours
- INTRODUCTION TO FORESTRY  
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 will be discussed. Silviculture, dendrology, cruising and scaling are studied.  
*Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50*  
CSU, UC, Associate Degree Applicable
- NR 2L  
1 Unit  
Laboratory: 3 hours
- INTRODUCTION TO FORESTRY LAB  
This is a lab course designed to supplement the Introduction to Forestry course and provide students with field experience in forestry. Areas of study include: fire prevention and suppression, forest measurement, timber harvesting and processing, tree identification, reforestation, and job opportunities. Saturday field trips will be required.  
*Prerequisite: Prior or concurrent enrollment in NR 2*  
CSU, UC, Associate Degree Applicable
- NR 3  
3 Units  
Lecture: 3 hours
- INTRODUCTION TO WILDLIFE MANAGEMENT  
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 habits and nutrition; wildlife identification and natural history; field methods; fish and game laws; and career opportunities.  
*Prerequisite: NR 1 recommended*  
CSU, Associate Degree Applicable
- NR 3L  
1 Unit  
Laboratory: 3 hours
- INTRODUCTION TO WILDLIFE MANAGEMENT LABORATORY  
This lab is designed to complement NR 3, and provide students with field experience relating to wildlife management. Wildlife identification, life histories and ecology, habitat improvement, and wildlife conservation and production are included.  
*Prerequisite: Concurrent or prior enrollment in NR 3*  
CSU, Associate Degree Applicable
- NR 30  
3 Units  
Lecture: 3 hours
- DESERT WILDLIFE  
This course is an introduction to the wildlife of the North American Deserts. It includes identification, life histories, and ecology of various mammals, birds, reptiles, amphibians, and arthropods. Wildlife management practices and major conservation problems will be discussed.  
*Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50*  
CSU, Associate Degree Applicable

Note: For Wildlife Law Enforcement see Administration of Justice (AJ 17)

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NR 41A-D  
1 Unit  
Lecture: 1 hour

#### NATIVE PLANTS

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: Eligibility for ENG 51*  
CSU, Associate Degree Applicable

#### ORNAMENTAL HORTICULTURE (OH)

CC 1  
3 Units  
Lecture: 3 hours

#### GOLF COURSE MANAGEMENT AND DESIGN

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: Eligibility for ENG 51 or concurrent enrollment in ENG 50; admittance to the Golf Management Program*  
CSU, Associate Degree Applicable

OH 1  
3 Units  
Lecture: 3 hours

#### HORTICULTURE

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: Eligibility for ENG 51*  
CSU, UC, Associate Degree Applicable

OH 1L  
1 Unit  
Laboratory: 3 hours

#### HORTICULTURE LABORATORY

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, tissue culture, transplanting and plant use.

*Prerequisite: Concurrent or prior enrollment in OH 1*  
CSU, UC, Associate Degree Applicable

OH 4  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours

#### TURFGRASS MANAGEMENT

This course is meant to be an introduction to 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. This course is a prerequisite to OH 24 and OH 25.

*Prerequisite: Eligibility for MATH 50 or concurrent enrollment in MATH 57*  
CSU, Associate Degree Applicable

OH 5A  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours

#### ORNAMENTAL PLANT IDENTIFICATION

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: Eligibility for ENG 51*  
CSU, UC, Associate Degree Applicable

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<p>OH 5B 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>ORNAMENTAL PLANT IDENTIFICATION</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, Associate Degree Applicable</p>
<p>OH 8 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>PARK AND LANDSCAPE MANAGEMENT</b> This course is intended to acquaint the student with skills necessary to manage commercial and residential landscapes, equipment, budgets, and employees. Included are sections on personnel management, irrigation auditing and repair, pest control, fertilization, planting and pruning. CSU, Associate Degree Applicable</p>
<p>OH 9 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>LANDSCAPE PLANNING AND DESIGN</b> 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. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50; OH 5 recommended</i> CSU, Associate Degree Applicable</p>
<p>OH 10 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>ADVANCED LANDSCAPE DESIGN</b> 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. <i>Prerequisites: OH 9 or equivalent</i> CSU, Associate Degree Applicable</p>
<p>OH 15 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>NURSERY MANAGEMENT</b> This course gives the student both technical and practical background in production, maintenance and sale of wholesale and retail nursery stock. It comprises one hour per week of lecture on plant production topics and three hours of direct experience in the college nursery. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
<p>OH 20 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>LANDSCAPE CONSTRUCTION</b> 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. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
<p>OH 24 3 Units Lecture: 3 hours</p>	<p><b>ADVANCED TURFGRASS MANAGEMENT</b> This course is designed to use the basic principles of turfgrass science learned in the Introductory Turfgrass Management courses and apply those principles to golf course maintenance procedures. Golf course operational procedures for the desert environment will be emphasized. <i>Prerequisite: OH 4 or OH 84</i> CSU, Associate Degree Applicable</p>

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<p>OH 25 3 Units Lecture: 3 hours</p>	<p><b>SPECIALIZED TURFGRASS MANAGEMENT</b> 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. <i>Prerequisite: OH 24 and AGPS 1 (may be taken concurrently)</i> CSU, Associate Degree Applicable</p>
<p>OH 26 3 Units Laboratory: 9 hours</p>	<p><b>TURFGRASS MANAGEMENT INTERNSHIP</b> 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. <i>Prerequisite: Completion of OH 4 or OH 84 with grade of "C" or better</i> CSU, Associate Degree Applicable</p>
<p>OH 27 3 Units Lecture: 3 hours</p>	<p><b>TURFGRASS PEST MANAGEMENT</b> This is a basic course in the current state of the art and science of turfgrass pest management. It provides the student with a comprehensive knowledge of disease, insect, and weed pests. Emphasis is placed on how to identify turfgrass pests, where and why they occur, the damage they may cause, life cycles of pests plus cultural, chemical and other control measures designed to keep pest damage to a minimum. <i>Prerequisite: Eligibility for MATH 50 or concurrent enrollment in MATH 57; eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
<p>OH 29A,B 1 Unit Laboratory: 3 hours</p>	<p><b>TURFGRASS MANAGEMENT LABORATORY</b> A laboratory designed to supplement Turfgrass Management courses by providing laboratory and field trip experiences. <i>Prerequisite: prior or concurrent enrollment in a Turfgrass Management course</i> CSU, Associate Degree Applicable</p>
<p>OH 30 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>LANDSCAPE EQUIPMENT</b> This course covers principles and practices in the maintenance, operation and selection of equipment and power units used in the horticultural field. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
<p>OH 31 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>LANDSCAPE EQUIPMENT REPAIR</b> This course covers the principles and practices in the maintenance adjustments and selection of equipment and power units used in the landscape industry and turfgrass management. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
<p>OH 32 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>LANDSCAPE ENGINE MAINTENANCE AND REPAIR</b> This course is designed to familiarize students with small engines and includes: ignition service, carburetor service, engine disassembly and assembly, valve refacing, reboring, engine block testing and proper adjustments. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> Associate Degree Applicable</p>

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- OH 33  
2 Units  
Lecture: 1 hour  
Laboratory: 3 hours
- GOLF CAR MAINTENANCE**  
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: Eligibility for ENG 51 or concurrent enrollment in ENG 50*  
Associate Degree Applicable
- OH 42  
1 Unit  
Lecture: 1 hour
- LANDSCAPING WITH CALIFORNIA NATIVE PLANTS**  
The course is an introduction to landscaping uses of native plants. Basic principles of landscaping design, native plant acquisition, appropriate irrigation and weed control are included.  
*Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50*  
Associate Degree Applicable
- OH 43  
1 Unit  
Lecture: 1 hour
- INTERPRETING NATIVE PLANTS**  
This course is designed for natural resource majors or others who would profit from knowing native plant uses, ecology and conservation problems.  
*Prerequisite: NR 41 recommended*  
Associate Degree Applicable
- OH 46  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours
- LANDSCAPE IRRIGATION SYSTEMS**  
This course provides information necessary to design, install, and maintain landscape irrigations systems. Plan reading, design, materials, equipment, installation, trouble-shooting, and cost estimating are addressed. Practical experience in installing and maintaining clocks and remote control valves will be included.  
*Prerequisite: Eligibility for MATH 50 or concurrent enrollment in MATH 57; eligibility for ENG 51 or concurrent enrollment in ENG 50*  
CSU, Associate Degree Applicable
- OH 70A-C  
1 Unit (A)  
Laboratory: 3 hours  
2 Units (B)  
Laboratory: 6 hours  
3 Units (C)  
Laboratory: 9 hours
- SPECIAL PROBLEMS**  
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.  
*Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50*  
Associate Degree Applicable
- OH 84  
2 Units  
Lecture: 2 hours
- THEORY OF TURFGRASS MANAGEMENT**  
Designed to meet the needs of the homeowner and the professional turfgrass manager. It covers the major types of grass grown in the desert and the major factors that control the production of good turfgrasses. Emphasis will be placed on management practices used to grow good turf in our desert areas.  
*Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50*  
CSU, Associate Degree Applicable
- OH 86  
2 Units  
Lecture: 2 hours
- THEORY OF LANDSCAPE IRRIGATION SYSTEMS**  
This course provides information necessary to design, install and maintain landscape irrigation systems in residential, commercial and turfgrass areas. Plan reading, design, materials, equipment installation, trouble-shooting, and cost estimating are addressed. An emphasis will be placed on automatic, electronically controlled irrigation systems; with clocks, programmable timers, remote control valves, soil moisture sensing devices and computer controls included.  
*Prerequisite: Eligibility for MATH 50*  
CSU, Associate Degree Applicable
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<p>OH 88 2 Units Lecture: 2 hours</p>	<p><b>THEORY OF PARK AND LANDSCAPE MANAGEMENT</b> This course is intended to acquaint the student with skills necessary to manage commercial and residential landscape equipment, budgets, and employees. Included are sections on personnel management, irrigation auditing and repair, pest control, fertilization, planting and pruning. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
<b>PLANT SCIENCE (AGPS)</b>	
<p>AGPS 1 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>SOILS AND PLANT NUTRITION</b> 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. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50; eligibility for MATH 50 or concurrent enrollment in MATH 57</i> CSU, UC, Associate Degree Applicable</p>
<p>AGPS 2 4 Units Lecture: 3 hours Laboratory: 3 hours</p>	<p><b>ENTOMOLOGY-GENERAL AND APPLIED</b> This course is a study of insects including: classification, structure, life histories, ecology, economic importance, and control. Collection required. Suggested for Biological Science General Education Requirements. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, UC, Associate Degree Applicable</p>
<p>AGPS 5 3 Units Lecture: 3 hours</p>	<p><b>PLANT SCIENCE</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>
<p>AGPS 5L 1 Unit Laboratory: 3 hours</p>	<p><b>PLANT SCIENCE LAB</b> This laboratory is the companion of AGPS 5. 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, tissue culture, transplanting and plant use. <i>Prerequisite: Concurrent or prior enrollment in AGPS 5</i> CSU, UC, Associate Degree Applicable</p>
<p>AGPS 22 2 Units Lecture: 2 hours</p>	<p><b>VEGETABLE CROP PRODUCTION</b> This course covers the culture of vegetables for market and home. Importance, varieties, cultural practices, environmental relationships, harvesting, storing and marketing of the major cool and warm, season vegetables will be discussed. An emphasis will be placed on vegetable production in the Coachella Valley. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
<p>AGPS 28A-D 2 Units Laboratory: 6 hours</p>	<p><b>CROP SCIENCE LAB</b> This lab course is designed to supplement the vegetable crop and fruit production courses. Students will experience production techniques on college-operated acreage. <i>Prerequisites: Completion of or current enrollment in AGPS 22 or 26</i> CSU, Associate Degree Applicable</p>

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AGPS 30  
4 Units  
Lecture: 3 hours  
Laboratory: 3 hours

**AGRICULTURAL CHEMICAL APPLICATION AND SAFETY**  
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, following 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 will be studied, and students will be prepared to take the California Certified Applicator examinations.

*Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50; eligibility for MATH 50*

CSU, Associate Degree Applicable

AGPS 71  
1 Unit  
Lecture: 1 hour

**SOILS DISCUSSION**

This is a complementary course to AGPS 1. Subjects covered in Soils and Plant Nutrition lecture and lab will be discussed in more detail.

*Prerequisite: Concurrent enrollment in AGPS 1*

CSU, Associate Degree Applicable

## ALLIED HEALTH

### ALLIED HEALTH

AH 61  
2 Units  
Lecture: 2 hours

**MEDICAL TERMINOLOGY**

This course introduces medical terminology as used by all health service personnel, including medical doctors, dentists, nurses, physical therapists, medical secretaries and doctors' office assistants.

*Prerequisite: Eligibility for ENG 51*

Associate Degree Applicable

AH 62  
2 Units  
Lecture: 2 hours

**YOUR LIVING BODY**

This course is a beginning study of body structures and systems, correlated with representative diseases and major illnesses of each system. The causes, signs and symptoms of diseases, treatments and prevention of illnesses are included.

*Prerequisite: Eligibility for ENG 51*

Associate Degree Applicable

AH 64  
5 Units  
Lecture: 3 hours  
Laboratory: 6 hours

**NURSE ASSISTANT**

This course includes basic nursing principles for the long-term care patient. It addresses needs of patients; ethics and confidentiality; emotional and social principles of observation; techniques of communication, reporting and charting; along with special treatments, procedures and skills required for patient care. Successful completion of the course permits eligibility to apply for state certification as a CNA.

*Prerequisite: Eligibility for ENG 51*

Associate Degree Applicable

AH 70  
1 Unit  
Lecture: 1 hour

**INTRODUCTION TO HEALTH SCIENCES**

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 Allied Health programs with detailed information about program requirements and career objectives.

*Prerequisite: Eligibility for ENG 51; completion of Assessment testing or equivalent*

Associate Degree Applicable

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<p>AH 80A-F 2 Units Lecture: 2 hours</p>	<p><b>PHYSICAL ASSESSMENT</b> This course is designed to strengthen and develop skills in patient assessment, to set priorities for care, and to recognize clinical symptomatology as it relates to the nursing process. It includes a review of the major disease entities applied to patient care with resultant nursing assessment and intervention. <i>Prerequisite: Must be certified LVN, RN or CNA or have instructor consent; eligibility for ENG 51 &amp; RDG 51 or concurrent enrollment in ENG 50</i> Associate Degree Applicable</p>
<p>AH 81A-F 2 Units Lecture: 2 hours</p>	<p><b>BASIC ARRHYTHMIAS</b> This course is designed for a person working with patients who need heart monitoring. It provides a review of anatomy and physiology of the heart. The normal and abnormal rhythms of the heart are studied. There is an emphasis on treatment for abnormal arrhythmias. This course is applicable for LVN, RN, and CNA Continuing Education Units (CEU's). <i>Prerequisite: Must be certified LVN, RN, CNA or EMT or have instructor consent; eligibility for ENG 51 &amp; RDG 51 or concurrent enrollment in ENG 50</i> Associate Degree Applicable</p>
<p>AH 82A-F 2 Units Lecture: 2 hours</p>	<p><b>INTERMEDIATE ARRHYTHMIAS</b> This course is designed for the person who has basic arrhythmia knowledge and identification skills and is now interested in identifying and analyzing more complex arrhythmias. There is an emphasis on premature vs. escape rhythms and how both affect the cardiac output. The concepts associated with Ashman's phenomenon and aberrancies will be dealt with extensively. Fixed coupling and the action potential curve's importance to arrhythmia identification and treatment will be explored. The use of drug therapy to re-establish or maintain normal cardiac output will be explained. <i>Prerequisite: Must be certified LVN, RN, CNA or EMT or have instructor consent; eligibility for ENG 51 &amp; RDG 51 or concurrent enrollment in ENG 50</i> Associate Degree Applicable</p>
<p>AH 83A-F 2 Units Lecture: 2 hours</p>	<p><b>ADVANCED 12 LEAD EKG</b> This course is designed for the clinician with a basic knowledge of arrhythmias. It provides a review of anatomy and physiology, with emphasis on the heart vectors and changes that occur in vectors as the result of myocardial infarction. Emphasis will be placed on how to read a 12 lead EKG. <i>Prerequisite: Eligibility for ENG 51 &amp; RDG 51 or concurrent enrollment in ENG 50; AH 81 or instructor consent</i> Associate Degree Applicable</p>
<p>AH 98A-D ½ Unit Laboratory: 1.5 hours</p>	<p><b>NURSING SKILLS LAB</b> 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. It is directed to the students needing review of nursing procedures. The students are prepared via computerized examinations for mastery of nursing content, nursing objectives and state board licensure and/or certification. This course allows for open-entry/open-exit.</p>

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AH 99A-D  
1 Unit  
Laboratory: 3 hours

**NURSING SKILLS LAB**

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. It is directed to the student needing review of nursing procedures. The students are prepared via computerized examinations for mastery of nursing content, nursing objectives, and state board licensure and/or certification. This course allows for open-entry/open-exit.

**EMERGENCY MEDICAL TECHNICIAN**

EMT 84A-D  
5 Units  
Lecture: 5 hours

**EMERGENCY MED TECH I**

This course covers all techniques of emergency medical care including basic life support measures, extraction of victims at the scene of an accident and an ambulance module. The course is approved by Riverside County and therefore includes 80 hours of lecture and laboratory instruction; 8 hours of instruction in ambulance operations and procedures, 8 hours of practical ambulance experience, and 8 hours of supervised instruction in the hospital emergency room.

*Prerequisite: Eligibility for ENG 50*  
Associate Degree Applicable

EMT 85A-D  
2 Units  
Lecture: 2 hours

**EMT REFRESHER COURSE**

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: Eligibility for ENG 50; EMT Certificate*  
Associate Degree Applicable

EMT 86A-D  
2 Units  
Lecture: 2 hours

**FIRST RESPONDER**

This course follows the recognized Inland Counties Emergency Medical Agency (ICEMA) course outline for training persons most likely to first encounter injured victims of an accident or disaster.

*Prerequisite: Eligibility for ENG 50; basic CPR card required*  
Associate Degree Applicable

**NURSING**

N 1  
8 Units  
Lecture: 4 hours  
Laboratory: 12 hours

**BASIC CONCEPTS IN NURSING PRACTICE (formerly N 5)**

This course introduces students to the organizing framework of the program and to the nursing process. Focusing 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.

*Prerequisites: One year high school Chemistry or CH 4 and acceptance into the Associate Degree Nursing Program*  
CSU, Associate Degree Applicable

N 2  
9 Units  
Lecture: 5 hours  
Laboratory: 12 hours

**CONCEPTS OF NURSING PRACTICE FOR COMMONLY OCCURRING ALTERATIONS IN HEALTH (formerly N 6)**

This course builds on concepts introduced in Nursing 1 with emphasis on commonly occurring alterations in health in the medical, surgical and obstetrical patient/client. Students receive lectures on campus and gain clinical skills in both the campus laboratory and in a local hospital.

*Prerequisites: N 1 and BI 22*  
CSU, Associate Degree Applicable

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- N 3A**  
9 Units  
Lecture: 4 hours  
Laboratory: 15 hours
- CONCEPTS OF NURSING PRACTICE FOR CHRONIC COMPLEX ALTERATIONS IN HEALTH (formerly N 7)**  
This course focuses on patient/client situations in which optimum wellness is altered by complex conditions which may be chronic in nature. Students gain experience in medical, surgical and obstetrical units of the hospital and in psychiatric settings.  
*Prerequisites: N 2, BI 23, ENG 1A and MATH 40*  
CSU, Associate Degree Applicable
- N 3B**  
½ Unit  
Lecture: .5 hour
- ISSUES IN NURSING**  
This course introduces students 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.  
*Prerequisites: N 2 or equivalent*  
CSU, Associate Degree Applicable
- N 4A**  
9 Units  
Lecture: 4 hours  
Laboratory: 15 hours
- CONCEPTS OF NURSING PRACTICE FOR ACUTE COMPLEX ALTERATIONS IN HEALTH (formerly N 8)**  
In this course students gain knowledge and experience with patients/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 and emergency departments.  
*Prerequisites: N 3A and BI 15*  
CSU, Associate Degree Applicable
- N 4B**  
½ Unit  
Lecture: .5 hour
- MANAGEMENT CONCEPTS IN NURSING**  
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.)  
*Corequisite: N 4A*  
*Prerequisites: N 3A and BI 15*  
CSU, Associate Degree Applicable
- N 61**  
3 Units  
Lecture: 3 hours
- BASIC PHARMACOLOGY**  
This course is designed as an introduction to pharmacology. Instruction will be given for calculating dosages, using conversion tables, administering medications, and using drug reference material. Actions, untoward actions desired and undesired effects, for commonly used drugs in major classifications will be presented.  
*Prerequisites: Eligibility for ENG 51 and MATH 50*  
Associate Degree Applicable

## RESPIRATORY THERAPY

- RT 51**  
8 Units  
Lecture: 4 hours  
Laboratory: 12 hours
- INTRODUCTION TO RESPIRATORY THERAPY**  
This course is designed to introduce the prospective therapist to the field of Respiratory Therapy and the duties a graduate will perform. It emphasizes the anatomy and physiology of the respiratory system in relationship to therapy. It also provides an in-depth preparation in the areas of maintenance oxygen delivery as well as vapor and aerosols will be emphasized as they relate to equipment utilized for the delivery of gases and aerosols to the lungs. Both laboratory and clinical experience provides the student with opportunities for practical application.  
*Prerequisite: Eligibility for ENG 51 and MATH 50; acceptance into Respiratory Therapy Program; preference given to students who have completed anatomy or chemistry*  
CSU, Associate Degree Applicable
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- RT 53  
2 Units  
Lecture: 2 hours
- CARDIOPULMONARY PHARMACOLOGY**  
This course provides the student with a fundamental understanding of pharmacotherapeutics. From this established base the course will then emphasize particularly those drug groups which are primarily cardiac or respiratory in effect.  
*Prerequisite: Eligibility for ENG 51 and MATH 50; concurrent enrollment in RT 51*  
CSU, Associate Degree Applicable
- RT 54  
11 Units  
Lecture: 4 hours  
Laboratory: 21 hours
- ASSISTED VENTILATORY THERAPY**  
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. It will emphasize equipment as it relates to therapeutic application. Alternative methods of breathing assistance will be explored and evaluated.  
*Prerequisite: Eligibility for ENG 51 and MATH 50; RT 51 & RT 53 with a grade of "C" or better*  
CSU, Associate Degree Applicable
- RT 55  
4 Units  
Lecture: 2 hours  
Laboratory: 6 hours
- CARDIOPULMONARY SPECIAL PROCEDURES**  
This course provides the student with the opportunity for observation and some degree of participation in the areas of; (1) Cardiopulmonary resuscitation (2) Bronchoscopy (3) Intubation and Tracheostomy (4) Arterial Puncture and Arterial Catheterization (5) Swan-Ganz and left and right cardiac catheterization. The theoretical component of the course will stress anatomy and physiology as it applies to these particular areas of therapy. The equipment necessary to perform the procedures and for observation of actual patient procedures.  
*Prerequisite: Eligibility for ENG 51 and MATH 50; RT 51, 53 & 54 with a grade of "C" or better*  
CSU, Associate Degree Applicable
- RT 56  
11 Units  
Lecture: 4 hours  
Laboratory: 21 hours
- METHODS OF CONTINUOUS VENTILATORY SUPPORT**  
This course provides the student with ability to coordinate the physiological changes in acid base balance occurring in the artificially ventilated patient with the appropriate adjustments of the ventilatory devices. The students will relate the adjustments of either ventilatory or electrolyte therapy to the pathology of the patient. In the lab and clinical areas the design of equipment will be related to the pathophysiology of the disease process. The students will spend their clinical time in critical care areas.  
*Prerequisite: RT 51, 53, 54 & 55, with a grade of "C" or better*  
CSU, Associate Degree Applicable
- RT 57  
3 Units  
Lecture: 3 hours
- CARDIOPULMONARY PATHOPHYSIOLOGY**  
This course provides the student with terminology pertinent to syndromes, disease entities and clinical or laboratory findings associated with disease diagnosis. It presents the particular pathophysiology of the more common dysfunctions of the lung. It demonstrates the correlation of the pathogenic organism or other causative factor to the development of dysfunction. The course emphasizes the techniques used by the Respiratory Therapist in the diagnosis and treatment of disease.  
*Prerequisite: Eligibility for ENG 51 and MATH 50; acceptance into the Respiratory Therapy Program*  
CSU, Associate Degree Applicable
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- RT 58  
7 Units  
Lecture: 3 hours  
Laboratory: 12 hours
- CARDIOPULMONARY FUNCTION TESTING & REHABILITATION**  
This course provides the student with theoretical and practical aspects of clinical cardiorespiratory test procedures. It stresses interpretation of test results as it relates to; (1) diagnosis, (2) treatment. It further provides the student with theoretical and practical consideration of rehabilitation programs for cardiac and/or respiratory cripples.  
*Prerequisite: RT 51, 53, 54, 55 & 56, with a grade of "C" or better*  
*Co-requisite: RT 59*  
CSU, Associate Degree Applicable
- RT 59  
3 Units  
Lecture: 3 hours
- RESPIRATORY THERAPY TRENDS AND ISSUES**  
This course provides the student with the opportunity to explore an area of respiratory care that is particularly interesting or significant to his future goals. The student, together with the instructor will map out a plan of action for the semester from one of the following areas; (1) education (2) management (3) research (4) therapy. Goals for the plan of action will be set by the student and instructor with assessment of student achievement related to goal accomplishment.  
*Prerequisite: RT 51, 53, 54, 55, 56 & 57 with a grade of "C" or better*  
*Co-requisite: RT 58*  
CSU, Associate Degree Applicable
- VOCATIONAL NURSING**
- VN 1  
8 Units  
Lecture: 8 hours
- VOCATIONAL NURSING I**  
This course introduces the student to nursing ethics, cultural differences, communication skills, and basic needs of the medical-surgical client; to include the understanding of anatomy and pathophysiology of the following body systems: respiratory, circulatory, blood, lymph, urinary, and gastro-intestinal. An emphasis on gerontology is presented along with identification of community resources for health maintenance.  
*Prerequisite: Concurrent enrollment in VN 1L; completion of or concurrent enrollment in HEC 13, PSY 1, N 61, AH 70*  
Associate Degree Applicable
- VN 1L  
7 Units  
Laboratory: 21 hours
- VOCATIONAL NURSING I LAB**  
This course introduces the student to care for the client's basic needs with a special emphasis on the older adult in extended care facilities. Learning experiences are planned to develop beginning nursing interventions for the medical-surgical client with diseases of the following body systems: respiratory, circulatory, blood, lymph, urinary, and gastro-intestinal. The administration of medications and application of therapeutic techniques is included.  
*Prerequisite: Concurrent enrollment in VN 1; completion of or concurrent enrollment in HEC 13, PSY 1, N 61, AH 70*  
Associate Degree Applicable
- VN 2  
8 Units  
Lecture: 8 hours
- VOCATIONAL NURSING II**  
Building upon VN 1, the student is presented with a study of anatomy and pathophysiology of the following body systems: endocrine, muscular-skeletal, neurological, integumentary, reproductive, and sensory. An emphasis on care of clients with disorders of the above mentioned systems is presented. Oncology nursing will be introduced.  
*Prerequisite: VN 1 and VN 1L; concurrent enrollment in VN 2L*  
Associate Degree Applicable
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<p>VN 2L 7 Units Laboratory: 21 hours</p>	<p><b>VOCATIONAL NURSING II LAB</b> As the nursing theory is presented, the student will concurrently care for clients in the acute care facilities who have conditions and diseases of the various body systems. Experiences are planned to develop nursing skills specific to the medical-surgical client with diseases of the following body systems: endocrine, muscular-skeletal, neurological, integumentary, sensory, and reproductive. Oncological nursing will be introduced. Standards of care and therapeutic techniques will be the focus of the clinical setting. <i>Prerequisite: VN 1 &amp; VN 1L; concurrent enrollment in VN 2</i> Associate Degree Applicable</p>
<p>VN 3 7 Units Lecture: 7 hours</p>	<p><b>VOCATIONAL NURSING III</b> This course introduces advanced medical-surgical problems, crisis intervention, emergency and disaster nursing, obstetrics and pediatrics. Nursing trends, occupational fields, and vocational organizations are explored. <i>Prerequisite: VN 2 and VN 2L; concurrent enrollment in VN 3L</i> Associate Degree Applicable</p>
<p>VN 3L 4 Units Laboratory: 12 hours</p>	<p><b>VOCATIONAL NURSING III LAB</b> Nursing care of clients with advanced medical-surgical problems, crisis intervention, emergency and disaster nursing, care of mothers, newborns, infants and children is practiced in the appropriate clinical units. <i>Prerequisite: VN2 and VN 2L; concurrent enrollment in VN 3</i> Associate Degree Applicable</p>

## ART

<p>ART 1A 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>DRAWING AND COMPOSITION</b> 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</p>
<p>ART 1C 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>DRAWING AND COMPOSITION</b> This course offers advanced study in techniques with pencil, pen and ink, and charcoal. Assignments allow for individual expression. <i>Prerequisite: ART 1A or equivalent</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 2A 3 Units Lecture: 3 hours</p>	<p><b>HISTORY OF ART</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 2B 3 Units Lecture: 3 hours</p>	<p><b>HISTORY OF ART</b> 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 period. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>

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<p>ART 2C 3 Units Lecture: 3 hours</p>	<p><b>HISTORY OF MODERN ART</b> 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. (Formerly Art 12) <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 3A 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>BASIC DESIGN AND COLOR</b> 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</p>
<p>ART 3B 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>THREE-DIMENSIONAL DESIGN</b> 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</p>
<p>ART 5A-D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>LIFE DRAWING</b> Students in this course study the human figure from a model. This course includes anatomy and the human body as a design source. CSU, UC, Associate Degree Applicable</p>
<p>ART 7A 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>CERAMICS</b> The fundamentals in forming and decorating pottery are studied in this course. It includes work in modeling, wheel throwing, glazing and firing. CSU, UC, Associate Degree Applicable</p>
<p>ART 7B 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>CERAMICS</b> This course provides an opportunity for advanced work in pottery, including loading and firing of kilns and experimental work in testing clays and glazes. <i>Prerequisite: Art 7A</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 7C 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>CERAMICS</b> This advanced course in Ceramics allows for in-depth experiences in areas of special interest. <i>Prerequisite: ART 7B</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 7D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>CERAMICS</b> This course permits the advanced student of Ceramics to continue the study of problems explored in earlier courses. Special emphasis is given to the areas of glaze formulation, kiln construction, and firing. Each student enrolled in this course is required to exhibit selected works in an on-campus exhibition. <i>Prerequisite: ART 7C</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 7E 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>CLAY FOR TEACHERS</b> This course offers students a basic understanding of ceramic processes with a special emphasis on hand-building techniques. Class work will be directed toward the needs of classroom teachers, recreation specialists, and persons working with youth organizations. CSU, Associate Degree Applicable</p>

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<p>ART 8 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>ADVERTISING ART</b> A study of design in advertising. This course provides experiences in problems relating to print media advertising, package design, graphic design, and production methods. CSU, Associate Degree Applicable</p>
<p>ART 9 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>INTRODUCTION TO PRINTMAKING</b> Students in this course study basic hand processes in the making of prints. CSU, UC, Associate Degree Applicable</p>
<p>ART 10 3 Units Lecture: 3 hours</p>	<p><b>INTRODUCTION TO ART</b> This course is an introduction to some of the problems, techniques, and social forces that shape and reflect our visual world. Emphasis is placed on the gaining of insights and the development of understanding with regard to the planning, organizing, and the making of a work of art. CSU, UC, Associate Degree Applicable</p>
<p>ART 11A 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>SCULPTURE</b> This basic course in sculpture explores the three dimensional form with a variety of materials and techniques, including additive, subtractive, and manipulative processes. CSU, UC, Associate Degree Applicable</p>
<p>ART 11B 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>SCULPTURE</b> In this course students use additive processes to make sculpture and are provided with experiences in mold making. <i>Prerequisite: ART 11A</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 11C 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>SCULPTURE</b> Students in this course receive individualized work project assignments in the subtractive method in the creation of sculptural forms. Contemporary as well as traditional aesthetic approaches will be utilized. <i>Prerequisite: ART 11B</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 11D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>SCULPTURE</b> Students in this course receive advanced individualized instruction in the lost wax process of bronze casting with special studies in the history of sculpture. <i>Prerequisite: ART 11C</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 13A 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>RELIEF PRINTING</b> 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</p>
<p>ART 13B 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>RELIEF PRINTING</b> 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. CSU, UC, Associate Degree Applicable</p>
<p>ART 13C 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>RELIEF PRINTING</b> Students in this course study advanced hand processes in the making of relief prints. Class work focuses on attaining competence in the techniques of calligraphy printing. Drawing skills are recommended. <i>Prerequisite: ART 13A or 13B</i> CSU, UC, Associate Degree Applicable</p>

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<p>ART 13D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>RELIEF PRINTING</b> 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. <i>Prerequisite: ART 13A or 13B, ART 13C</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 14A 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>SCREEN PRINTING</b> 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</p>
<p>ART 14B 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>SCREEN PRINTING</b> 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. <i>Prerequisite: ART 14A</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 14C 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>SCREEN PRINTING</b> 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. <i>Prerequisite: ART 14B</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 14D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>SCREEN PRINTING</b> 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. <i>Prerequisite: ART 14C</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 15A 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>ETCHING</b> Students in this course study basic hand processes in the making of intaglio prints. Class work focuses on attaining competence in the techniques of drypoint, and hard ground and soft ground etching methods. Drawing skills are recommended. CSU, UC, Associate Degree Applicable</p>
<p>ART 15B 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>ETCHING</b> Students in this course study basic hand processes in the making of intaglio prints. Class work focuses on attaining competence in the technique of aquatint as well as improving other basic etching and drypoint skills. Drawing skills are recommended. <i>Prerequisite: ART 15A</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 15C 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>ETCHING</b> Students in this course study advanced hand processes in the making of intaglio prints. Class work focuses on attaining competence in viscosity printing and other multicolor etching processes. Drawing skills are recommended. <i>Prerequisite: ART 15B</i> CSU, UC, Associate Degree Applicable</p>

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<p>ART 15D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p>ETCHING Students in this course study advanced hand processes in the making of intaglio prints. In addition to attaining competence in basic etching techniques, students will be introduced to photoetching and engraving techniques. Drawing skills are recommended. <i>Prerequisite: ART 15C</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 16A 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p>LITHOGRAPHY Students in this course study basic hand processes in the making of lithographic prints. Class work focuses on attaining competence in basic techniques of stone lithography. Drawing skills are recommended. CSU, UC, Associate Degree Applicable</p>
<p>ART 16B 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p>LITHOGRAPHY Students in this course study basic hand processes in the making of lithographic prints. Class work focuses on attaining competence in basic techniques of metal plate lithography. Drawing skills are recommended. <i>Prerequisite: ART 16A</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 16C 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p>LITHOGRAPHY Students in this course study advanced hand processes in the making of lithographic prints. Class work focuses on attaining competence in multicolor printing techniques. Drawing skills are recommended. <i>Prerequisite: ART 16B</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 16D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p>LITHOGRAPHY Students in this course study advanced hand processes in the making of lithographic prints. Class work focuses on attaining competence in photolithography techniques. Drawing skills are recommended. <i>Prerequisite: ART 16C</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 18A 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p>PAPERMAKING This is a basic studio course in two and three dimensional papermaking. Students will explore different methods of hand papermaking leading to uses of the medium as an art form. <i>Prerequisite: Courses in design and color and/or three dimensional design are desirable.</i> CSU, Associate Degree Applicable</p>
<p>ART 18B 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p>PAPERMAKING This is a studio course continuing with techniques explored in beginning papermaking. More individual instruction is given and development of a personal style is encouraged. <i>Prerequisite: ART 18A or consent of instructor; courses in design and color and/or three dimensional design are desirable</i> CSU, Associate Degree Applicable</p>
<p>ART 18C 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p>PAPERMAKING This advanced course enables the student to continue learning about the papermaking processes through construction of equipment and through independent projects in techniques that were explored in foundation courses. <i>Prerequisite: ART 18B or equivalent level of knowledge and skills; courses in design and color and/or three dimensional design are recommended</i> CSU, Associate Degree Applicable</p>

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<p>ART 18D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p>PAPERMAKING This advanced studio course in papermaking offers students an opportunity to work independently on special problems and projects. <i>Prerequisite: ART 18C or equivalent level of knowledge and skills</i> CSU, Associate Degree Applicable</p>
<p>ART 20A-D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p>CERAMIC SCULPTURE 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</p>
<p>ART 21A 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p>PAINTING/WATERCOLOR This course is an introduction to fundamentals of transparent watercolor painting. Techniques covered include: washes, wet-in-wet, direct and layering. <i>Prerequisite: Courses in design and color and/or drawing and composition are desirable</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 21B 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p>PAINTING/WATERCOLOR This is an intermediate course in fundamental methods of watercolor painting. Class work includes basic principles of color and composition. <i>Prerequisite: ART 21A or equivalent</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 21C 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p>PAINTING/WATERCOLOR In this advanced course in watercolor painting, transparent and opaque techniques are applied to pictorial composition. <i>Prerequisite: ART 21B or equivalent</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 21D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p>PAINTING/WATERCOLOR This course provides an opportunity for advanced work in watercolor, including mixed media and collage methods. <i>Prerequisite: ART 21C or equivalent</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 23A-D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p>PAINTING/OIL This is a basic course in oil painting with emphasis on problems concerning organization, form, and space. <i>Prerequisite: to be taken in series alphabetically</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 25A 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p>PAINTING/ACRYLIC This course is an introduction to fundamentals of acrylic painting. Methods include: opaque, transparent, under and over painting, and textural and collage techniques. <i>Prerequisite: Courses in design and color and/or drawing and composition are desirable</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 25B 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p>PAINTING/ACRYLIC This is an intermediate course in methods of acrylic painting. Class work includes basic principles of color and composition. <i>Prerequisite: ART 25A or equivalent</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 25C 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p>PAINTING/ACRYLIC In this advanced course in acrylic painting, fundamental and experimental techniques are applied to composition and construction. <i>Prerequisite: ART 25A or equivalent</i> CSU, UC, Associate Degree Applicable</p>

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<p>ART 25D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>PAINTING/ACRYLIC</b> This course provides an opportunity for advanced work in acrylics, including mixed media and rhoplex. <i>Prerequisite: ART 25C or equivalent</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 30A 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>PHOTOGRAPHY I/BLACK AND WHITE</b> The lecture-laboratory format of this course provides an introduction to the tools, materials, and techniques of black and white photography with an emphasis on composition and the expressive aspects of the medium. Laboratory experiences include processing and printing. CSU, UC, Associate Degree Applicable</p>
<p>ART 30B 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>PHOTOGRAPHY II/BLACK AND WHITE</b> This is an intermediate lecture-laboratory course designed to both strengthen darkroom skills and techniques and explore photography as a means of creative expression and communication. Students will gain greater mastery of exposure, lighting, and fine printing techniques as a foundation for aesthetic development in the medium. <i>Prerequisite: ART 30A or equivalent</i> CSU, UC, Associate Degree Applicable</p>
<p>ART 30C 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>PHOTOGRAPHY III/BLACK AND WHITE</b> This advanced lecture-laboratory course is designed to expand technical darkroom skills and develop a strong aesthetic sensibility to the photographic image. Class format will include studio lighting and flash techniques, archival black and white printing and matting, color theory and alternative printing processes. Students will work in various photographic genres, including the direct reportorial and symbolist approaches to the art. <i>Prerequisites: ART 30B</i> CSU, Associate Degree Applicable</p>
<p>ART 30D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>PHOTOGRAPHY IV/BLACK AND WHITE</b> In this course, students will apply their technical knowledge and aesthetic training to provide a portfolio of twenty archival photographic images organized around a central theme or approach. The class format will include field trips, extensive critiques, demonstrations, and supervised independent work in a gallery space will be required at the end of the semester. <i>Prerequisites: ART 30C</i> CSU, Associate Degree Applicable</p>
<p>ART 32A 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>PHOTOGRAPHY I/COLOR</b> This course includes advanced laboratory work with an emphasis on color photography. <i>Prerequisite: ART 30A or equivalent</i> CSU, Associate Degree Applicable</p>
<p>ART 32B 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>PHOTOGRAPHY II/COLOR</b> This advanced course in color photography is designed to give students an opportunity to expand their range of technical skills. Class work includes color posterization, dye transfer prints, prints from internegatives, and the use of creative filtration. <i>Prerequisite: ART 32A</i> CSU, Associate Degree Applicable</p>

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<p>ART 33 3 Units Lecture: 3 hours</p>	<p><b>HISTORY OF PHOTOGRAPHY</b> 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 will 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. CSU, UC, Associate Degree Applicable</p>
<p>ART 50A-E A = 1 Unit B = 2 Units C = 3 Units D = 4 Units E = 5 Units</p>	<p><b>SPECIAL STUDIES IN ART</b> Special Studies in Art is a title under which a variety of one-time-only courses may be given in response to particular circumstances and needs. The specific subject and content of these courses will be indicated by subtitles and descriptions placed in the Class Schedule at the time they are offered. Note: Units and lecture/lab format will vary according to the specific course being offered CSU, Associate Degree Applicable</p>
<p>ART 80A-D 1 Unit Laboratory: 3 hours</p>	<p><b>PAINTING WORKSHOP</b> 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</p>
<p>ART 81A-D 1 Unit Laboratory: 3 hours</p>	<p><b>BASIC DRAWING I</b> 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</p>
<p>ART 83A-D 1 Unit Laboratory: 3 hours</p>	<p><b>LANDSCAPE PAINTING</b> 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</p>
<p>ART 84A-D 1 Unit Laboratory: 3 hours</p>	<p><b>PAINTING THE DESERT LANDSCAPE AND ITS FLORA</b> 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. <i>Prerequisite: Courses in design and color and/or drawing and composition are desirable</i> UC, Associate Degree Applicable</p>
<p>ART 85A-D 1 Unit Laboratory: 3 hours</p>	<p><b>STILL LIFE PAINTING</b> 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. UC, Associate Degree Applicable</p>

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## BUSINESS & HOSPITALITY INDUSTRIES

### BUSINESS-ACCOUNTING (BUAC)

BUAC 1 3 Units Lecture: 3 hours	ACCOUNTING I 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. <i>Prerequisite: Eligibility for ENG 51 and MATH 50; demonstrated competence in basic bookkeeping or completion of BUAC 66</i> CSU, UC, Associate Degree Applicable
BUAC 2 3 Units Lecture: 3 hours	ACCOUNTING II This course will emphasize accounting concepts and principles relating to corporations, departmental and branch systems; and management uses of accounting data which will include financial statement analyses, cash flow statements, and an introduction to cost accounting. There will be a good deal of emphasis on stock and bond transactions. <i>Prerequisite: BUAC 1</i> CSU, UC, Associate Degree Applicable
BUAC 3 3 Units Lecture: 3 hours	GOVERNMENTAL ACCOUNTING I This course focuses on principles of fund accounting for governmental units; problems of budgeting, appropriations, accounting for revenues, expenditures and encumbrances. <i>Prerequisite: Eligibility for ENG 51 and MATH 50</i> CSU, Associate Degree Applicable
BUAC 4 3 Units Lecture: 3 hours	TAX ACCOUNTING I - INDIVIDUALS This course is designed to have both personal and vocational values. Students will learn the latest tax information that will both allow them to prepare their own tax returns and, of important career interest, to prepare the tax returns of others. It presents the tax system in light of the most current laws and regulations available. Also, tax planning issues for the current and later years are considered. This course is required for the Accounting Certificate. <i>Prerequisite: Eligibility for ENG 51 and MATH 50</i> Associate Degree Applicable
BUAC 5 3 Units Lecture: 3 hours	TAX ACCOUNTING II This course is designed to have both professional and personal value. Students will learn the latest tax regulations that will allow them to prepare tax returns for their own business as well as tax returns for other businesses and corporations. Tax planning issues for current and later tax years are also considered. This course is a requirement for the Accounting Certificate. <i>Prerequisite: Eligibility for ENG 51 and MATH 50</i> Associate Degree Applicable
BUAC 6 2 Units Lecture: 2 hours	ACCOUNTING FOR MANUFACTURING ENTERPRISES This course is designed to develop the fundamental skills of management accounting; the collection, presentation, and interpretation of data to enable management to plan for the future, organize resources, direct activities, and control performance. Students will learn how to construct accounting information systems which will focus on such items as cost control, inventory management, budgetary monitoring, and capital investment planning. This course is a requirement for the Accounting Certificate. <i>Prerequisite: BUAC 1, eligibility for ENG 51 and MATH 50</i> Associate Degree Applicable

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BUAC 7 3 Units Lecture: 3 hours	<b>HOSPITAL AND MEDICAL ACCOUNTING</b> This course is designed to cover the comprehensive application of accounting principles to the medical and hospital industries. It will include accounting practices, financial statements, income and expense recognition principles, and special purpose journals and ledgers. Procedures unique to these industries will be emphasized and studied in depth. This course is an elective for the Accounting Certificate. <i>Prerequisite: Eligibility for BUAC 1</i> Associate Degree Applicable
BUAC 8 3 Units Lecture: 3 hours	<b>REAL ESTATE AND CONSTRUCTION ACCOUNTING</b> This course is designed to cover the comprehensive application of accounting principles to the real estate and construction industries. Emphasis will be placed on budgeting and monitoring costs for construction projects, as well as rate of return analyses for investment projects. Management accounting will receive more emphasis than financial reporting in this course. <i>Prerequisites: BUAC 66 or BUAC 1; Completion of BUAC 12 is recommended</i> CSU, Associate Degree Applicable
BUAC 10 2 Units Lecture: 1 hour Laboratory: 3 hours	<b>COMPUTER ACCOUNTING</b> This is an introductory course in the processing of accounting data on the microcomputer. Students will learn to record or process transactions in the following major accounting systems: General Ledger, Accounts Receivable, Accounts Payable, Depreciation, and Payroll. Course work will prepare students for actual situations using up-to-date equipment. <i>Prerequisite: BUAC 1 or BUAC 66 with a grade of "C" or better</i> CSU, Associate Degree Applicable
BUAC 11 1 Unit Laboratory: 3 hours	<b>AUTOMATED ACCOUNTING PRACTICE SET</b> The automated accounting practice set is a semester long accounting problem. Students are required to complete this problem using micro computers. <i>Prerequisite: BUAC 66 or BUAC 1 or BUAC 10</i> CSU, Associate Degree Applicable
BUAC 12 1 Unit Laboratory: 3 hours	<b>ELECTRONIC SPREADSHEET LAB</b> This course is the study of the electronic spreadsheet as applied in word processing, data base management, graphics and communications. It will emphasize the use of the spreadsheet in business operations analysis and management report writing. The student will learn and use the latest computer spreadsheet software, especially Lotus 1-2-3. <i>Prerequisite: BUAC 66 or BUAC 1 or equivalent</i> Associate Degree Applicable
BUAC 66 3 Units Lecture: 3 hours	<b>INTRODUCTION TO ACCOUNTING</b> This is an introductory course covering the essential elements of bookkeeping practice. Fundamentals learned in this course form the basis for advanced work in other accounting courses. Topics include the basic accounting equation, uses of journals and ledgers, preparation of simple financial statements, adjustments and worksheets, special journals and subsidiary ledgers. <i>Prerequisite: Eligibility for ENG 51 and MATH 50</i> CSU, Associate Degree Applicable

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## BUSINESS -- COMPUTER SCIENCE (BUCS)

- BUCS 50**  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours
- "C" LANGUAGE PROGRAMMING**  
This course is an introduction to the "C" programming language, its syntax and applications, with emphasis on programming in the microcomputer environment. Students will write, compile, link, execute and debug "C" language programs.  
*Prerequisite: Eligibility for ENG 51 and MATH 50; BUCS 73 and BUCS 73L*  
CSU, UC, Associate Degree Applicable
- BUCS 70A**  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours
- COMPUTER BUSINESS APPLICATIONS**  
This is an introductory course targeted toward maximizing the productivity of students who work with microcomputers in a business environment. It will focus on the fundamentals of utilizing IBM compatible microcomputers with particular emphasis on the production and application of electronic spreadsheets, databases, and word processing. It has been designed to prepare the student for particular vocational skills demanded in a business environment dominated by microcomputer operation.  
*Prerequisite: Eligibility for ENG 51*  
CSU, Associate Degree Applicable
- BUCS 70B**  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours
- WORDPROCESSING CONCEPTS**  
This is an intermediate course targeted toward maximizing the productivity of students who work with microcomputers in a business environment. It will focus on the advanced techniques utilizing IBM compatible microcomputers with particular emphasis on maximizing the application of electronic spreadsheets, databases, and word processing. It has been designed to prepare the student for advanced computer uses.  
*Prerequisite: Eligibility for ENG 51; BUCS 70A or equivalent*  
CSU, Associate Degree Applicable
- BUCS 70C**  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours
- ADVANCED SPREADSHEET OPERATIONS**  
This course is targeted toward maximizing the productivity of students who use microcomputers to produce electronic spreadsheets in a business environment. It covers mathematical, financial, statistical, logical, and special purpose functions along with the creation and use of macros and graphs.  
*Prerequisite: BUCS 70B*  
CSU, Associate Degree Applicable
- BUCS 70D**  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours
- ADVANCED DBASE PROGRAMMING**  
This is a beginning course in programming using the industry-accepted language DBASE. It is designed to teach the function and structure of the DBASE programming language employing established structured programming techniques. Familiarity with a structured programming language is helpful but not required. This course prepares the student to design and write DBASE programs in the workplace or home.  
*Prerequisite: Eligibility for ENG 51; BUCS 70A or equivalent*  
Associate Degree Applicable
- BUCS 70E**  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours
- ADVANCED MS-DOS**  
This is an advanced course targeted toward maximizing the productivity of students who work with microcomputers in a business environment. It will focus on the advanced techniques utilizing IBM compatible microcomputers with particular emphasis on maximizing the application of MS-DOS operating system and other network operating systems.  
*Prerequisite: Eligibility for ENG 51; BUCS 70A*  
Associate Degree Applicable
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<p>BUCS 73 3 Units Lecture: 3 hours</p>	<p><b>INTRO TO COMPUTER SCIENCE</b> This course is an introduction to computers, computer peripherals, and software. It is designed to familiarize students with computer technologies and computer implementations with emphasis on business applications. Available hardware systems and software systems with emphasis on how the two interact are presented. Special emphasis is placed on computer programming techniques, structured programming, structured design, and comparisons between several of the more popular high-level programming languages. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>
<p>BUCS 73L 1 Unit Laboratory: 3 hours</p>	<p><b>INTRO TO COMPUTER SCIENCE LAB</b> This course is an introduction to high-level programming language methods with emphasis on structured programming techniques, design and development. Practical applications and hands on experience are utilized. Elementary programming exercises in BASIC will be assigned. <i>Prerequisite: Eligibility for ENG 51; concurrent enrollment in BUCS 73</i> CSU, UC, Associate Degree Applicable</p>
<p>BUCS 75 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>FORTRAN PROGRAMMING</b> This course is an introduction to the use of the computer in problem solving using high level FORTRAN language. Students will write, test, and debug programs applicable to several disciplines. <i>Prerequisite: Eligibility for ENG 51; BUCS 73 and BUCS 73L</i> CSU, UC, Associate Degree Applicable</p>
<p>BUCS 76 3 Units Lecture: 3 hours</p>	<p><b>COBOL PROGRAMMING</b> This course is an introduction to programming digital computers using the high level language COBOL. COBOL is a business oriented language widely used in industry. Students will flow chart, write, test, debug and document COBOL programs. <i>Prerequisite: Eligibility for ENG 51; BUCS 73 and BUCS 73L</i> CSU, UC, Associate Degree Applicable</p>
<p>BUCS 80 3 Units Lecture: 3 hours</p>	<p><b>SYSTEMS ANALYSIS AND DESIGN</b> This course is designed to give an overview of the systems development process. Students will learn how to recognize and solve problems, how to design specifications in a structured approach for information systems, and how to learn a process for selecting and evaluating techniques to support information systems. Impacts of advanced technology for systems analysis and characteristics of decision support systems (DSS) and their impact on organizational processes will be discussed. <i>Prerequisite: Eligibility for ENG 51; BUCS 73 and BUCS 73L</i> CSU, Associate Degree Applicable</p>
<p>BUCS 81 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>BASIC LANGUAGE PROGRAMMING</b> This course is designed to instruct students in the techniques and methods for setting up and solving every day problems using the computer language, BASIC. Included in the course will be software, developmental concepts such as BASIC design, code testing and documentation of programs; actual entering and execution of a computer program; and a description of the BASIC language instructions. <i>Prerequisites: Eligibility for ENG 51; BUCS 73 and BUCS 73L</i> CSU, UC, Associate Degree Applicable</p>

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<p>BUCS 82 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>SYSTEMS ANALYSIS AND DESIGN PRACTICAL</b> This course is a semester-long design problem which students will complete using computers and programming solutions. It is designed to illustrate systems design, implementation and evaluation. <i>Prerequisite: Eligibility for Eng 51; BUCS 73 and BUCS 73L; concurrent enrollment in BUCS 80</i> Associate Degree Applicable</p>
<p>BUCS 83 3 Units Lecture: 3 hours</p>	<p><b>ADVANCED COBOL PROGRAMMING</b> This course is the study of advanced programming techniques utilizing magnetic tape and magnetic disk to process sequential and indexed sequential files. Students will flow chart, write, test, debug and document application programs in Cobol. <i>Prerequisite: Eligibility for ENG 51; BUCS 76</i> CSU, UC, Associate Degree Applicable</p>
<p>BUCS 84 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>ADVANCED BASIC LANGUAGE PROGRAMMING</b> This course is an advanced course in business applications programming for the person with some experience using BASIC. Included is an analysis of sequential file processing methods, direct-access file processing methods, advanced input/output techniques, and structured design concepts utilizing structured programming statements. Major emphasis is placed on writing BASIC programs utilizing the above techniques. <i>Prerequisite: Eligibility for ENG 51; BUCS 73 and BUCS 73L</i> CSU, UC, Associate Degree Applicable</p>
<p>BUCS 85 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>INTRODUCTION TO PASCAL PROGRAMMING</b> This course is an introduction to the basic techniques required to program in Pascal. The concepts covered include: design of computer programs, data types, input and output techniques, program control, structured types, input and output file types, testing and debugging techniques, functions, and procedures and data structures. Students will be required to design and write Pascal programs. <i>Prerequisite: Eligibility for ENG 51; BUCS 73 and BUCS 73L</i> CSU, UC, Associate Degree Applicable</p>
<p>BUCS 85A 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>ADVANCED PASCAL PROGRAMMING</b> This course is an advanced approach to basic techniques required to program in pascal. The concepts covered include: design of computer programs, data types, input and output techniques, program control, structured types, passing of variables, testing and debugging techniques, functions, and data structures. Students will be required to design and write Pascal programs. <i>Prerequisite: Eligibility for ENG 51; BUCS 73, BUCS 73L and BUCS 85</i> CSU, UC, Associate Degree Applicable</p>
<p>BUCS 87 4 Units Lecture: 3 hours Laboratory: 3 hours</p>	<p><b>ASSEMBLER LANGUAGE PROGRAMMING</b> This course is an introduction to the basic principles of assembler language programming, designed for students who already possess a working knowledge of basic computer concepts. The basic programming concepts covered include programming features of assemblers, assembler language instructions, input/output operations, macros, and subroutines. Students will write, test, and debug assembler language programs on personal computers. <i>Prerequisite: Eligibility for ENG 51; BUCS 73 and BUCS 73L</i> CSU, UC, Associate Degree Applicable</p>

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- BUCS 88**  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours
- APPLE COMPUTER BUSINESS APPLICATIONS**  
This is an entry level course designed to introduce the student to the use of fourth generation microcomputers in a business environment. It will focus on the fundamentals of electronic spreadsheets, data bases, report generators, word processing and their integration. Computer hardware and software evaluation, selection and purchasing will be discussed at length.  
*Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50*  
Associate Degree Applicable
- BUCS 97A-E**  
½ Unit  
1.5 hours  
98A-E  
1 Unit  
3 hours  
99A-E  
2 units  
6 hours
- MICROCOMPUTER APPLICATIONS LABORATORY**  
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 will be 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: Concurrent enrollment in a BUCS or OIS course*

### **BUSINESS-DISTRIBUTIVE EDUCATION (BUDE)**

- BUDE 21**  
3 Units  
Lecture: 3 hours
- MARKETING**  
This course is the study of market structures, channels of distribution, pricing and price policy, and market research. It will emphasize human behavior and culture and their relationship to marketing activities. The student will participate in individual and class projects designed to reinforce the learning of basic marketing theory and concepts.  
*Prerequisite: Eligibility for ENG 51*  
CSU, Associate Degree Applicable
- BUDE 22**  
3 Units  
Lecture: 3 hours
- RETAILING**  
This course is the study of retailing and retailing institutions; retail management decisions including trade area evaluation, site selection, store layout, merchandise assortment, pricing and promotion.  
*Prerequisite: Eligibility for ENG 51 and MATH 50*  
CSU, Associate Degree Applicable
- BUDE 23**  
3 Units  
Lecture: 3 hours
- FUNDAMENTALS OF SALES**  
This course is a study of the role of selling in the American economy, the evolution of the modern salesperson, consumer behavior and motivation, and the selling process. It also includes the salesperson's personal, customer and social responsibilities, and an introduction to sales management.  
*Prerequisite: Eligibility for ENG 51*  
CSU, Associate Degree Applicable
- BUDE 25**  
3 Units  
Lecture: 3 hours
- ADVERTISING**  
This course is the study of the history and future of advertising. The course includes the preparation of the advertisement including copy and layout, media selection, effects of government regulation and public opinion.  
*Prerequisite: Eligibility for ENG 51*  
CSU, Associate Degree Applicable
- BUDE 26**  
1 Unit  
Lecture: 1 hour
- CAREER SELLING & SALES PROMOTION**  
This course is designed to introduce students to the advantages of selling as a career. It includes a study of the major requirements for success of selling, required training, psychology of selling, and promotion of a product.  
*Prerequisite: Eligibility for ENG 51*  
CSU, Associate Degree Applicable
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## ECONOMICS (ECON)

ECON 1  
3 Units  
Lecture: 3 hours

**PRINCIPLES OF MACROECONOMICS (CAN ECON 2)**  
This course is an introduction to economic theory and analysis with an emphasis upon 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.  
*Prerequisite: Eligibility for ENG 51 and MATH 50*  
CSU, UC, Associate Degree Applicable

ECON 2  
3 Units  
Lecture: 3 hours

**PRINCIPLES OF MICROECONOMICS (CAN ECON 4)**  
This course is an introduction to economic theory and analysis with an emphasis on the role of market in pricing of products, market structures, pricing of factors of production and the distribution of income, and the principles of international trade.  
*Prerequisite: ECON 1*  
CSU, UC, Associate Degree Applicable

ECON 11  
3 Units  
Lecture: 3 hours

**INTERNATIONAL ECONOMIC RELATIONS**  
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.  
*Prerequisite: ENG 51 or equivalent; Recommend ECON 1*  
CSU, UC, Associate Degree Applicable

## FINANCE (BUFI)

BUFI 1  
3 Units  
Lecture: 3 hours

**PRINCIPLES OF FINANCIAL ANALYSIS AND PLANNING**  
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. This course is an acceptable substitute for BUFI 68 (Principles of Financial Analysis & Planning) in the Accounting Certificate Program.  
*Prerequisite: ECON 1, BUAC 1*  
Associate Degree Applicable

BUFI 2  
3 Units  
Lecture: 3 hours

**PRINCIPLES OF CAPITAL BUDGETING AND INVESTMENT ANALYSIS**  
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  
3 Units  
Lecture: 3 hours

**PRINCIPLES OF MONEY, BANKING AND FINANCIAL MARKETS**  
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



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BUHM 54 3 Units Lecture: 3 hours	<b>SUPERVISORY HOUSEKEEPING</b> This course provides an overview of the fundamentals of housekeeping management. Also included is a description of the management functions, tools, and practices required in today's lodging and institutional housekeeping department. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable
BUHM 55 3 Units Lecture: 3 hours	<b>RESTAURANT OPERATIONS AND MANAGEMENT</b> This course is the study of the food service industry and the individual service organization within that industry. It is a study of the concepts of management as they apply to food service, including planning, organizing, directing, representing and evaluating. The student will gain a contemporary knowledge of the functions of the food service manager in order to improve skills and enhance present abilities. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable
BUHM 56 3 Units Lecture: 3 hours	<b>HOSPITALITY MANAGEMENT ACCOUNTING</b> 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 in making managerial decisions. <i>Prerequisite: Eligibility for BUAC 1 or BUAC 66</i> Associate Degree Applicable
BUHM 60 3 Units Lecture: 3 hours	<b>HOTEL/MOTEL LAW</b> This course provides an awareness of the rights and responsibilities that the law grants to or imposes upon a hotel keeper, and illustrates the possible consequences of failure to satisfy legal obligations. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable
BUHM 61 3 Units Lecture: 3 hours	<b>HOSPITALITY SALES AND PROMOTION</b> This course presents a practical understanding of the operating statement and precisely where, how, and why the sales effort fits into the total earnings and profit picture of hospitality operation. Emphasis is on producing business at a profit. It further teaches how to measure and gauge accurately the precise worth of every type of business in advance. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable
BUHM 63 3 Units Lecture: 3 hours	<b>HOTEL/MOTEL OPERATIONS</b> This course analyzes management's functions and responsibilities in such areas as administration, organization, communications, accounting, marketing and human relations. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable
BUHM 64 3 Units Lecture: 3 hours	<b>HOTEL/MOTEL PERSONNEL MANAGEMENT</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable

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BUHM 65 3 Units Lecture: 3 hours	<b>FRONT OFFICE PROCEDURES</b> This course presents a systematic approach to front office procedures by detailing the flow of business through a hotel beginning with the reservation process and ending with billing and collection procedures. The course also places front office procedures within the context of the overall operation of a hotel and examines front office management, the processing of handling complaints, and concerns regarding hotel safety and security. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable
BUHM 66 3 Units Lecture: 3 hours	<b>HOTEL/MOTEL MANAGEMENT PRACTICUM</b> This course is designed as a "capstone" course. It consists of case studies and situational analysis involving a multi-functional evaluation of Hotel or Motel enterprise. It is an integration of previously acquired principles and practices found within the Hotel/Motel industry. <i>Prerequisite: Eligibility for ENG 51; BUHM 50 or equivalent</i> Associate Degree Applicable
BUHM 67 3 Units Lecture: 3 hours	<b>HOTEL/CLUB MAINTENANCE</b> This course presents information and principles important to both the managerial and technical functioning of the engineering/maintenance department, stressing the knowledge needed by managers at all levels in order for them to make appropriate and cost-effective decisions. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable
<b>BUSINESS-MANAGEMENT (BUMA)</b>	
BUMA 1 3 Units Lecture: 3 hours	<b>PRINCIPLES OF MANAGEMENT</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, Associate Degree Applicable
BUMA 3 3 Units Lecture: 3 hours	<b>STATISTICAL METHODS/BUSINESS &amp; ECONOMICS</b> This course is an introduction to the statistical concepts and techniques most frequently used in business and economics. It emphasizes the use and interpretation of data, including both tabular and graphic presentation. <i>Prerequisite: Eligibility for ENG 51 and MATH 50</i> CSU, Associate Degree Applicable
BUMA 10 3 Units Lecture: 3 hours	<b>INTRODUCTION TO BUSINESS</b> 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 and the role of large business organizations, and practices for the development of managerial personnel. It is recommended for students who wish to explore a career in business. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable
BUMA 11 3 Units Lecture: 3 hours	<b>PERSONAL FINANCE</b> Study of individual and family consumer problems and management of resources through planned use of these resources for present living and future security. Stresses the uses of credit, latest consumer protection laws, investments and definition of real income. <i>Prerequisite: Eligibility for ENG 51</i> CSU, Associate Degree Applicable

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<p>BUMA 20A 3 Units Lecture: 3 hours</p>	<p><b>BUSINESS LAW (CAN BUS 8)</b> This course is a study of the social forces and the law, the law of contracts, agency and employment; personal property and bailments; business torts and crimes; sales law, labor law and government regulation of business. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>
<p>BUMA 20B 3 Units Lecture: 3 hours</p>	<p><b>BUSINESS LAW</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>
<p>BUMA 22 3 Units Lecture: 3 hours</p>	<p><b>LEGAL ENVIRONMENT OF BUSINESS</b> This course is a study of the law applicable to business institutions and their operation, including social forces and their effect upon the development of law, sources of law, the agencies for enforcement of the law and court procedures. It emphasizes the law in the following areas: contracts, agency, product liability, antitrust, labor relations, consumer protection, securities regulation, computers, environment regulation and energy production. <i>Prerequisite: Eligibility for ENG 51</i> CSU, Associate Degree Applicable</p>
<p>BUMA 24 2 Units Lecture: 2 hours</p>	<p><b>RESORT PERSONNEL AND HUMAN RELATIONS</b> 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. <i>Prerequisite: Admission to Golf Management Program or instructor's consent</i> Associate Degree Applicable</p>
<p>BUMA 25 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>GOLF SHOP OPERATIONS</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>
<p>BUMA 51 3 Units Lecture: 3 hours</p>	<p><b>SMALL BUSINESS MANAGEMENT</b> This course is the study of the organization, financing and managing of a small business. It presents an overview of the small business environment together with an explanation of financial statements and how to use them to facilitate effective decision making. <i>Prerequisite: Eligibility for ENG 51 and MATH 50</i> Associate Degree Applicable</p>
<p>BUMA 72 3 Units Lecture: 3 hours</p>	<p><b>BUSINESS MATHEMATICS</b> This course is a review of fundamentals of mathematics necessary for competent participation in business: decimals, fractions, percentage, trade discounts, interest, payrolls, insurance, and taxes. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>

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## OFFICE INFORMATION SYSTEMS (OIS)

- OIS 50**  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours
- BEGINNING KEYBOARDING/TYPING**  
This course is designed to introduce individuals to basic keyboarding and formatting techniques. Emphasis is on keyboard mastery and developing basic keyboarding skills including: alphabetic, numeric, symbol and function keys; keyboarding with accuracy at a specified rate; formatting basic business documents. No previous electronic keyboard or computer experience is necessary.  
*Prerequisite: Eligibility for ENG 51*  
Associate Degree Applicable
- OIS 51**  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours
- INTERMEDIATE KEYBOARDING/TYPING**  
This course builds on the keyboarding competencies individuals have developed. Emphasis is placed on increasing speed, improving accuracy, learning word processing functions, developing formatting skills, applying communication skills and learning document production skills.  
*Prerequisite: OIS 50*  
Associate Degree Applicable
- OIS 52**  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours
- ADVANCED KEYBOARDING/TYPING**  
In this course individuals will develop advanced keyboarding skills essential in today's modern office environment. Emphasis is on professional keyboarding and formatting applications. Extensive opportunities are provided to develop information processing skills in a variety of situations commonly found in today's businesses: sales, general, accounting, executive and administrative offices.  
*Prerequisite: OIS 51*  
Associate Degree Applicable
- OIS 53**  
4 Units  
Lecture: 3 hours  
Laboratory: 3 hours
- MEDICAL SECRETARIAL PROCEDURES**  
Students study and practice medical office activities including telephone techniques, scheduling and reception of patients, preparing and maintaining patient medical records, written communications, office management, bookkeeping as applied to a physician's office, medical law and professional ethics.  
*Prerequisite: Eligibility for ENG 51; AH 61 or equivalent; OIS 51 or equivalent*  
Associate Degree Applicable
- OIS 54**  
2 Units  
Lecture: 1 hour  
Laboratory: 3 hours
- BASIC KEYBOARDING**  
This course is designed for any college individual needing to master keyboarding skills (electronic keyboards and microcomputers). Students will develop basic alpha/numeric keyboarding/touch typing skills and increase their ability to communicate information. No previous electronic keyboard or computer experience is necessary.  
*Prerequisite: Eligibility for ENG 51*  
Associate Degree Applicable
- OIS 56**  
4 Units  
Lecture: 3 hours  
Laboratory: 3 hours
- LEGAL SECRETARY PROCEDURES**  
This course is designed for students who plan to pursue a legal secretarial career. Emphasis will be placed on the procedures followed in a law office and the preparation, dictation, and typing of legal documents. Legal secretarial ethics, vocabulary, and simulated legal office activities will also be included.  
*Prerequisites: Eligibility for ENG 51; OIS 51 or equivalent*  
Associate Degree Applicable
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<p>OIS 57 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>MACHINE TRANSCRIPTION</b> This course is designed to enable the student to transcribe from modern language dictation machines or any form of shorthand. Emphasis is placed on the coordination of keyboarding and transcribing skills to produce mailable business documents. It includes a review of language arts skills in punctuation, spelling, editing, proofreading and vocabulary. <i>Prerequisite: Recommend ENG 51 or OIS 65 or equivalent; OIS 50 or equivalent</i> Associate Degree Applicable</p>
<p>OIS 58 1 Unit Lecture: 1 hour</p>	<p><b>PROOFREADING</b> This course provides the student with a basic foundation needed to become an efficient proofreader. Course content includes the study and use of proofreader's marks and identification of typing/keyboarding proofreading problems. Practice includes proofreading for correct document format, capitalization, punctuation, spelling, word division, numbers and content. <i>Prerequisites: Eligibility for ENG 51</i> Associate Degree Applicable</p>
<p>OIS 60A 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>BEGINNING SHORTHAND</b> This course provides the fundamentals of Gregg Series 90 Shorthand. Students will develop entry-level skills in theory, brief forms, phrases and dictation speed of 60-70 words per minute. The course will also include an introduction to transcription. <i>Prerequisite: OIS 50 or equivalent; recommend OIS 65 or equivalent</i> Associate Degree Applicable</p>
<p>OIS 60B 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>INTERMEDIATE SHORTHAND</b> This course reinforces and reviews shorthand theory. Students will develop a shorthand speed of at least 80 words per minute, and review and practice skills in business English. <i>Prerequisite: Recommend OIS 65 or ENG 51; OIS 50 and 60A or equivalent skills and knowledge</i> Associate Degree Applicable</p>
<p>OIS 61 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>ADVANCED SHORTHAND</b> Students in this course continue to develop speed in taking dictation and accuracy in transcribing mailable correspondence required for employment. Emphasis is on skill development in spelling, punctuation, typewriting, and business vocabularies. <i>Prerequisite: Recommend OIS 65 or equivalent; OIS 50 and OIS 60B or equivalent</i> Associate Degree Applicable</p>
<p>OIS 63 3 Units Lecture: 3 hours</p>	<p><b>OFFICE SYSTEMS AND PROCEDURES</b> This course examines the principles and procedures of today's secretarial profession. Students will develop the knowledge and understanding of office structures and secretarial skills, such as human relations, oral and written communications, word/information processing, administrative support services, records management, assisting with travel and conferences, organizing business data, placement, advancement, and supervision in the professional secretarial field. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>

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<p>OIS 64 2 Units Lecture: 2 hours</p>	<p><b>RECORDS MANAGEMENT</b> This course examines the principles and procedures for establishing and using various filing methods, including alphabetic, numeric, geographic, subject, and chronological filing systems. Students will study both paper and electronic filing methods. Emphasis is placed on the records management concepts used in the complete record cycle of today's electronic business environment. <i>Prerequisite: Eligibility for Eng 51; OIS 50, or equivalent skills and knowledge</i> Associate Degree Applicable</p>
<p>OIS 65 3 Units Lecture: 3 hours</p>	<p><b>FUNDAMENTAL BUSINESS COMMUNICATIONS</b> This course covers the basic rules of communications including current English usage needed in the business office. Emphasizes a thorough review of parts of speech, punctuation, capitalization, spelling, and sentence structure. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>
<p>OIS 66 3 Units Lecture: 3 hours</p>	<p><b>APPLIED BUSINESS COMMUNICATIONS</b> This highly participatory course focuses on both oral and written communications. Students will have extensive practice in composing business documents and developing effective oral communication skills. <i>Prerequisite: Completion of or concurrent enrollment in OIS 65 or ENG 51</i> Associate Degree Applicable</p>
<p>OIS 67 3 Units Lecture: 3 hours</p>	<p><b>AUTOMATED OFFICE SYSTEMS AND TECHNOLOGY</b> This course introduces the interaction of people, processes, and technologies that form office information systems within contemporary organizations. Students will explore the systems approach to office automation as well as formal organizational structures. Emphasis is placed on systems that improve the productivity of information workers at all levels—professional, managerial, technical, and administrative support. <i>Prerequisite: Eligibility for ENG 51 or equivalent; OIS 63 or equivalent</i> Associate Degree Applicable</p>
<p>OIS 72B 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>INTERMEDIATE APPLICATIONS - LOTUS AND DBASE</b> This course provides intermediate concepts and practical applications using electronic spreadsheets and database management. Students will receive instruction and hands-on training using Lotus and dBase, two popular software programs used in today's business settings. This course is an acceptable substitute for BUAC 12 (Electronic Spreadsheet Lab) in the Accounting Certificate Program. <i>Prerequisite: BUCS 70A or equivalent</i> Associate Degree Applicable</p>
<p>OIS 74 3 Units Lecture: 3 hours</p>	<p><b>WORD/INFORMATION PROCESSING CONCEPTS</b> This course traces the history, evolution and current trends in word and information processing. It explains the concepts of word and information processing in the modern automated office, describes the transition from word to information processing, and explores today's office technologies. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>

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<p>OIS 75A 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>WORD PROCESSING/MICROCOMPUTER APPLICATIONS – WORDPERFECT</b> This course introduces students to microcomputers through word processing concepts and procedures. The four phases of word/information processing: input, output, reprographics, and distribution are included in this course. Applications will be performed using related procedures to include keyboarding, editing and revising documents, manipulating data, and printing, reproducing, and telecommunicating documents. <i>Prerequisite: Eligibility for ENG 51; OIS 50 or equivalent</i> Associate Degree Applicable</p>
<p>OIS 75B 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>WORD PROCESSING/MICROCOMPUTER APPLICATIONS – MICROSOFT WORD</b> This course introduces students to microcomputers through word processing concepts and procedures using the popular, versatile Microsoft Word program. Students are provided beginning and intermediate levels of skill development and competency. Applications will include keyboarding, editing, revising and printing documents. Document production includes basic business communications, reports, tables, math features, and basic merge capabilities. <i>Prerequisite: Eligibility for ENG 51; OIS 50 or equivalent</i> Associate Degree Applicable</p>
<p>OIS 75C 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>WORD PROCESSING/MICROCOMPUTER APPLICATIONS – WORDSTAR</b> This course introduces students to microcomputers through word processing concepts and procedures using the power and versatility of WordStar. Students are provided beginning and intermediate levels of skill development and competency. Applications will include keyboarding, editing, revising, and printing documents. Document production includes basic business communications, reports, tables, math features, and basic communications, reports, tables, math features and basic merge capabilities. <i>Prerequisite: Eligibility for ENG 51; OIS 50 or equivalent</i> Associate Degree Applicable</p>
<p>OIS 77A 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>ADVANCED WORDPERFECT APPLICATIONS</b> This course provides advanced word processing applications using WordPerfect. Emphasis is placed on working with features such as macros, fonts and graphics, math functions, files management, drawing, sorting and selecting, and an introduction to desktop publishing techniques. <i>Prerequisite: OIS 75A or equivalent</i> Associate Degree Applicable</p>
<p>OIS 77B 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>ADVANCED MICROSOFT WORD APPLICATIONS</b> This course provides advanced word processing applications using Microsoft Word. Emphasis is placed on working with features such as macros, fonts and graphics, math functions, files management, drawing, sorting and selecting, style sheets, and an introduction to desktop publishing techniques. <i>Prerequisite: OIS 75B or equivalent</i> Associate Degree Applicable</p>
<p>OIS 77C 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>ADVANCED WORDSTAR APPLICATIONS</b> This course provides advanced word processing applications using WordStar. Emphasis is placed on working with features such as macros, fonts and graphics, math functions, files management, drawing, sorting and selecting, and an introduction to desktop publishing techniques. <i>Prerequisite: OIS 75C or equivalent</i> Associate Degree Applicable</p>

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- OIS 77D  
2 Units  
Lecture: 1 hour  
Laboratory: 3 hours
- ADVANCED WORD PROCESSING APPLICATIONS  
INTEGRATED MICROCOMPUTER OFFICE SYSTEMS**  
This course provides advanced applications in word processing and microcomputer applications. Specific software will vary but includes WordPerfect Office and other integrated programs. Emphasis is placed on electronic office systems features such as electronic mail, scheduling, calendaring, word processing macros, and database management for common office records, lists and files.  
*Prerequisite: OIS 75A, B or C or equivalent*
- OIS 79  
2 Units  
Lecture: 1 hour  
Laboratory: 3 hours
- MACHINE CALCULATION**  
This course introduces students to the study and practice of the principles of electronic calculator and machine computation, and the applications of mathematics in today's modern office.  
*Prerequisite: Eligibility for ENG 51*  
Associate Degree Applicable
- OIS 82  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours
- BUSINESS COMPUTER GRAPHICS/DESKTOP PUBLISHING**  
This course provides an introduction to business graphics software on the microcomputer, including text processing, graphics, composition, layout, and design. Students receive instruction and hands-on training using a variety of desktop publishing software and laser printers to produce camera-ready, near typeset-quality reports, newsletters, business forms, and presentations.  
*Prerequisite: BUCS 70A or equivalent, or OIS 75A,B or C*  
Associate Degree Applicable
- OIS 85  
3 Units  
Lecture: 3 hours
- INTRODUCTION TO TELECOMMUNICATIONS**  
This course provides a basic foundation of the knowledge and concepts of telecommunications. Students will develop a working knowledge of telecommunications technology, applications and management.  
*Prerequisites: BUCS 70A and OIS 67 or equivalent*  
Associate Degree Applicable
- BUSINESS-REAL ESTATE (BURE)**
- BURE 1B  
3 Units  
Lecture: 3 hours
- REAL ESTATE PRACTICUM II**  
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.  
*Prerequisite: Eligibility for ENG 51; possess a valid California Real Estate Salesperson or Broker's License*  
Associate Degree Applicable
- BURE 1C  
3 Units  
Lecture: 3 hours
- REAL ESTATE PRACTICUM III**  
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.  
*Prerequisite: Eligibility for ENG 51; possess a valid California Real Estate Salesperson or Broker's License*  
Associate Degree Applicable
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<p>BURE 2 3 Units Lecture: 3 hours</p>	<p><b>REAL ESTATE CAREER TRAINING</b> This course provides indepth 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. <i>Prerequisite: Eligibility for ENG 51; possess a valid California Real Estate Salesperson or Broker's License and full-time employment with a real estate broker</i> Associate Degree Applicable</p>
<p>BURE 2L 3 Units Laboratory: 9 hours</p>	<p><b>REAL ESTATE CAREER TRAINING LAB</b> This is the laboratory providing indepth 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. <i>Prerequisite: Eligibility for ENG 51; concurrent enrollment in BURE 2; possess a valid California Real Estate Salesperson or Broker's License and be employed full-time by a real estate broker</i> Associate Degree Applicable</p>
<p>BURE 81 3 Units Lecture: 3 hours</p>	<p><b>PRINCIPLES OF REAL ESTATE</b> 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. <i>Prerequisite: Eligibility for ENG 51 and MATH 50</i> CSU, Associate Degree Applicable</p>
<p>BURE 82 3 Units Lecture: 3 hours</p>	<p><b>REAL ESTATE ECONOMICS</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>
<p>BURE 83A 3 Units Lecture: 3 hours</p>	<p><b>REAL ESTATE PRACTICE</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, Associate Degree Applicable</p>
<p>BURE 84 3 Units Lecture: 3 hours</p>	<p><b>LEGAL ASPECTS OF REAL ESTATE</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>

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<p>BURE 85 3 Units Lecture: 3 hours</p>	<p><b>REAL ESTATE FINANCE</b> 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. <i>Prerequisite: Eligibility for ENG 51 and MATH 50</i> CSU, Associate Degree Applicable</p>
<p>BURE 86 3 Units Lecture: 3 hours</p>	<p><b>PRINCIPLES OF APPRAISING</b> 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. <i>Prerequisite: Eligibility for ENG 51 and MATH 50</i> Associate Degree Applicable</p>
<p>BURE 88 3 Units Lecture: 3 hours</p>	<p><b>REAL ESTATE OFFICE ADMINISTRATION</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>
<p>BURE 90 3 Units Lecture: 3 hours</p>	<p><b>ESCROW PROCEDURES I</b> 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. <i>Prerequisite: Eligibility for ENG 51 and MATH 50</i> Associate Degree Applicable</p>
<p>BURE 91 3 Units Lecture: 3 hours</p>	<p><b>ESCROW PROCEDURES II</b> 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. <i>Prerequisite: BURE 90 or one year escrow experience</i> Associate Degree Applicable</p>
<p>BURE 92 3 Units Lecture: 3 hours</p>	<p><b>ESCROW PROCEDURES III</b> 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. <i>Prerequisite: BURE 90 and 91</i> CSU, Associate Degree Applicable</p>
<p>BURE 94 3 Units Lecture: 3 hours</p>	<p><b>PROPERTY MANAGEMENT</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>

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## **BUSINESS-SUPERVISION AND MANAGEMENT (BUSM)**

- BUSM 70**  
2 Units  
Lecture: 2 hours
- AFFIRMATIVE ACTION FOR SUPERVISORS**  
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.  
*Prerequisite: Eligibility for ENG 51*  
Associate Degree Applicable
- BUSM 71**  
2 Units  
Lecture: 2 hours
- SAFETY MANAGEMENT**  
This course is the study of basic principles of accident prevention operating and implementing safety programs under Occupational Safety and Health Act (OSHA).  
*Prerequisite: Eligibility for ENG 51*  
Associate Degree Applicable
- BUSM 81**  
2 Units  
Lecture: 2 hours
- QUALITY ASSURANCE**  
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.  
*Prerequisite: Eligibility for ENG 51*  
Associate Degree Applicable
- BUSM 82**  
2 Units  
Lecture: 2 hours
- PURCHASING**  
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.  
*Prerequisite: Eligibility for ENG 51*  
Associate Degree Applicable
- BUSM 83**  
2 Units  
Lecture: 2 hours
- DEVELOPING EMPLOYEES THROUGH TRAINING**  
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.  
*Prerequisite: Eligibility for ENG 51*  
Associate Degree Applicable
- BUSM 84**  
2 Units  
Lecture: 2 hours
- JOB ANALYSIS FOR WAGE ADMINISTRATION**  
This course analyzes job descriptions, specifications, evaluation, and classifications. It is a study of Local, State and Federal regulations concerning industrial wages.  
*Prerequisite: Eligibility for ENG 51*  
Associate Degree Applicable
- BUSM 91**  
2 Units  
Lecture: 2 hours
- ELEMENTS OF SUPERVISION**  
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.  
*Prerequisite: Eligibility for ENG 51*  
Associate Degree Applicable
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BUSM 92 2 Units Lecture: 2 hours	<b>PSYCHOLOGY FOR SUPERVISORS</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable
BUSM 93 2 Units Lecture: 2 hours	<b>HUMAN RELATIONS</b> This course is the study of personnel relations as affected by the application of basic psychological techniques. Emphasis is placed on employer-employee relationships. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable
BUSM 94 2 Units Lecture: 2 hours	<b>COMMUNICATION I FOR SUPERVISORS</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable
BUSM 95 2 Units Lecture: 2 hours	<b>COMMUNICATION II FOR SUPERVISORS</b> 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. <i>Prerequisite: Eligibility for ENG 51; BUSM 94</i> Associate Degree Applicable
BUSM 96 2 Units Lecture: 2 hours	<b>LABOR: MANAGEMENT RELATIONS</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable
BUSM 97 2 Units Lecture: 2 hours	<b>ORGANIZATION PATTERNS AND MANAGEMENT</b> This course is the study of the establishment of lines of authority, departmental functions, local policies, general procedures and regulation. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable
BUSM 98 2 Units Lecture: 2 hours	<b>WORK SIMPLIFICATION</b> This course is the study and analysis of methods designed for improving job procedures and techniques. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable
BUSM 99 2 Units Lecture: 2 hours	<b>COST CONTROL FOR SUPERVISORS</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable

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## COMMUNICATION

### ENGLISH (ENG)

- ENG 1A**  
4 Units  
Lecture: 4 hours
- COMPOSITION (CAN ENGL 2)**  
This is a college freshman course which focuses on principles of effective composition and rhetorical techniques for achieving interest, clarity, effective organization and development of ideas. Students analyze varieties of nonfiction prose and write a minimum of five formal essays (500 word minimum each), a book review and research paper, totaling 8,000 to 10,000 words.  
*Prerequisite: ENG 51 with a grade of "C" or better or equivalent*  
CSU, UC, Associate Degree Applicable
- ENG 1B**  
3 Units  
Lecture: 3 hours
- COMPOSITION AND LITERATURE**  
This course emphasizes analysis of selected literary works and the writing of critical essays. Eight thousand words of writing are required.  
*Prerequisite: ENG 1A or ENG 3A with a grade of "C" or better*  
CSU, UC, Associate Degree Applicable
- ENG 1C**  
3 Units  
Lecture: 3 hours
- ADVANCED COMPOSITION**  
This is a course in extended expository prose with emphasis on principles of explanation and argument. Selected topics of academic inquiry in the humanities, social and behavioral sciences and natural sciences will be addressed.  
*Prerequisite: Completion of ENG 1B or equivalent*  
CSU, UC, Associate Degree Applicable
- ENG 3A**  
3 Units  
Lecture: 3 hours
- FRESHMAN COMPOSITION I**  
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 with a grade of "C" or better or equivalent*  
CSU, UC, Associate Degree Applicable
- ENG 5A**  
3 Units  
Lecture: 3 hours
- CREATIVE WRITING**  
This course introduces students to the perceptions, skills and techniques of all forms of creative writing, with primary emphasis on fiction and poetry.  
*Prerequisite: Eligibility for ENG 1A*  
CSU, UC, Associate Degree Applicable
- ENG 5B**  
3 Units  
Lecture: 3 hours
- ADVANCED CREATIVE WRITING**  
This is an advanced course designed to enable students to refine their creative writing skills in their chosen genre.  
*Prerequisite: ENG 5A or equivalent*  
CSU, UC, Associate Degree Applicable
- ENG 10A,B**  
3 Units  
Lecture: 3 hours
- AMERICAN LITERATURE**  
This course provides a study of representative American writers. 10A concentrates on literature from the earliest settlements to 1830; 10B deals with literature from 1830 to the present. Each semester course may be taken independently.  
*Prerequisite: Eligibility for ENG 1B*  
CSU, UC, Associate Degree Applicable
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<p>ENG 11A 3 Units Lecture: 3 hours</p>	<p><b>SURVEY OF ENGLISH LITERATURE - TO EIGHTEENTH CENTURY</b> 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. <i>Prerequisite: Eligibility for ENG 1B</i> CSU, UC, Associate Degree Applicable</p>
<p>ENG 11B 3 Units Lecture: 3 hours</p>	<p><b>SURVEY OF ENGLISH LITERATURE (ROMANTIC-MODERN)</b> This course surveys the major writers and works of English literature of the Romantic, Victorian, Edwardian, and Modern Periods. <i>Prerequisite: Eligibility for ENG 1B</i> CSU, UC, Associate Degree Applicable</p>
<p>ENG 12A 3 Units Lecture: 3 hours</p>	<p><b>WORLD LITERATURE I</b> 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. <i>Prerequisite: Eligibility for ENG 1B</i> CSU, UC, Associate Degree Applicable</p>
<p>ENG 12B 3 Units Lecture: 3 hours</p>	<p><b>WORLD LITERATURE II</b> This course surveys works which have influenced world thought from 1660 to the present. May be taken independently from World Literature I. <i>Prerequisite: Eligibility for ENG 1B</i> CSU, UC, Associate Degree Applicable</p>
<p>ENG 14 3 Units Lecture: 3 hours</p>	<p><b>SHAKESPEARE</b> This course is a study of selected histories, comedies, and tragedies of William Shakespeare. <i>Prerequisite: Eligibility for ENG 1B or equivalent</i> CSU, UC, Associate Degree Applicable</p>
<p>ENG 15 3 Units Lecture: 3 hours</p>	<p><b>THE SHORT STORY</b> 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. <i>Prerequisite: Eligibility for ENG 1B</i> CSU, UC, Associate Degree Applicable</p>
<p>ENG 16 3 Units Lecture: 3 hours</p>	<p><b>LITERATURE OF THE DESERT</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>
<p>ENG 18 3 Units Lecture: 3 hours</p>	<p><b>INTRODUCTION TO POETRY</b> 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. <i>Prerequisite: Eligibility for ENG 1B</i> CSU, UC, Associate Degree Applicable</p>
<p>ENG 20 1 Unit Lecture: 1 hour</p>	<p><b>RESEARCH PAPER</b> This course provides training in proper preparation and writing of a research paper including instruction on research techniques, style and format. <i>Prerequisite: Eligibility for ENG 1A</i> Associate Degree Applicable</p>

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<p>ENG 22 3 Units Lecture: 3 hours</p>	<p><b>INTRODUCTION TO AFRICAN AMERICAN LITERATURE</b> This course provides an introduction to folk, traditional and contemporary African American literature. Critical analysis will be represented by works in all literary genres: the essay, short story, the novel, poetry and drama. <i>Prerequisite: Eligibility for ENG 1B</i> CSU, UC, Associate Degree Applicable</p>
<p>ENG 31 3 Units Lecture: 3 hours</p>	<p><b>THE BIBLE AS LITERATURE: THE OLD TESTAMENT</b> 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. <i>Prerequisite: Eligibility for ENG 1A</i> CSU, UC, Associate Degree Applicable</p>
<p>ENG 32 3 Units Lecture: 3 hours</p>	<p><b>THE BIBLE AS LITERATURE: THE NEW TESTAMENT</b> 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. <i>Prerequisite: Eligibility for ENG 1A</i> CSU, UC, Associate Degree Applicable</p>
<p>ENG 35 3 Units Lecture: 3 hours</p>	<p><b>MYTH AND LEGEND</b> 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. <i>Prerequisite: Eligibility for ENG 1A</i> CSU, UC, Associate Degree Applicable</p>
<p>ENG 41 3 Units Lecture: 3 hours</p>	<p><b>TECHNICAL REPORT READING AND WRITING</b> This course offers instruction in reading and writing reports as used in industrial and technical professions with emphasis on collecting, evaluating, organizing, and presenting materials. Students analyze a variety of technically oriented prose and write a minimum of five formal reports (500 word minimum each), a critique of a technical manual and a final project exhibiting knowledge of research techniques, totaling 8,000 to 10,000 words. <i>Prerequisite: ENG 51 with a grade of "C" or better or equivalent</i> CSU, Associate Degree Applicable</p>
<p>ENG 45 3 Units Lecture: 3 hours</p>	<p><b>UNITED STATES MILITARY LITERATURE</b> This course is a survey of United States military literature from 1775 to date with required reading of fiction and non-fiction materials. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>
<p>ENG 50 3 Units Lecture: 3 hours Laboratory: 2 hours</p>	<p><b>BASIC WRITING SKILLS</b> This course is designed to provide extensive study of fundamental language skills in preparation for higher level writing courses. It is non-transferable and non-degree credit. Students may choose the credit/no credit grading option. <i>Prerequisite: Concurrent enrollment in RDG 50 or equivalent</i></p>

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<p>ENG 51 3 Units Lecture: 3 hours</p>	<p><b>INTRODUCTION TO EXPOSITORY WRITING</b> This course is designed for students who need training and practice in expository writing and conventional language skills to prepare them for standard college English courses. Credit is applicable to the associate degree only; it is non-transferable. Students may choose the credit/no credit grading option. <i>Prerequisite: ENG 50 with a grade of "C" or better, or equivalent</i> Associate Degree Applicable</p>
<p>ENG 55 3 Units Lecture: 3 hours</p>	<p><b>FUNDAMENTALS OF GRAMMAR</b> 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. <i>Prerequisite: Concurrent enrollment in ENG 50 strongly recommended</i></p>
<p>ENG 97A-H ½ Unit 1.5 hours 98A-D 1 Unit 3 hours 99A-D 2 Units 6 hours</p>	<p><b>WRITING CENTER</b> 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. <i>Prerequisite: Concurrent enrollment in any English course except ENG 50</i></p>
<b>ENGLISH AS A SECOND LANGUAGE</b>	
<p>ESL 1A 4 Units Lecture: 4 hours</p>	<p><b>COMPOSITION SKILLS</b> This is a college freshman composition course designed for ESL students. Emphasis is on the principles of effective composition and rhetorical techniques of achieving interest, clarity, effective organization and development of ideas. Students analyze varieties of non-fiction prose and write a minimum of five formal essays (500 word minimum), a book report, and a research paper, totaling 8,000 to 10,000 words. <i>Prerequisite: ESL 51 with a grade of "C" or better, or equivalent</i> CSU, UC, Associate Degree Applicable</p>
<p>ESL 50A 3 Units Lecture: 3 hours</p>	<p><b>TRANSITIONAL ESL WRITING</b> 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. <i>Prerequisite: Completion of DE 384E with a grade of CR, or equivalent; concurrent enrollment in ESL 97 and ESL 55A</i></p>
<p>ESL 50B 4 Units Lecture: 3 hours Laboratory: 3 hours</p>	<p><b>BASIC COMMUNICATION SKILLS (formerly ESL 50)</b> 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. <i>Prerequisite: Completion of DE 382E, DE 384 E, or ESL 50A with a grade of CR or C or better; concurrent enrollment in ESL 55B and RDG 50</i></p>

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<p>ESL 51 4 Units Lecture: 4 hours</p>	<p><b>EXPOSITORY LANGUAGE SKILLS</b> 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. <i>Prerequisite: ESL 50B with a grade of "C" or better, or equivalent</i> Associate Degree Applicable</p>
<p>ESL 55A 3 Units Lecture: 3 hours</p>	<p><b>TRANSITIONAL ENGLISH GRAMMAR (For Non-Native Students)</b> This course focuses on the fundamentals of English grammar with an emphasis on problems encountered by the non-native speakers on English. Students may choose the credit/no credit grading option. <i>Prerequisite: Completion of DE 382E with a grade of CR; concurrent enrollment in ESL 50A</i></p>
<p>ESL 55B 3 Units Lecture: 3 hours</p>	<p><b>BASIC GRAMMAR FOR ENGLISH AS A SECOND LANGUAGE (formerly ESL 55)</b> 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. <i>Prerequisite: Completion of DE 382E with a grade of CR, or equivalent; concurrent enrollment in ESL 50B</i></p>
<p>ESL 57 3 Units Lecture: 3 hours</p>	<p><b>BASIC SPEAKING SKILLS</b> This course is recommended for non-native speakers of English or bilingual students who wish to improve their spoken English. Students will learn to acquire a better pronunciation and intonation and gain greater oral skills in standard American speech. Emphasis is placed on oral production through practice of speaking exercises in class and with a cassette program. Students may choose the credit/no credit grading option. <i>Prerequisite: Eligibility for ENG 50, ESL 50A or B OR concurrent enrollment in ENG 50, ESL 50A or B. ESL 97, 98, 99 strongly recommended</i></p>
<p>ESL 60 2 Units Lecture: 1.5 hours Laboratory: 1.5 hours</p>	<p><b>ENGLISH GRAMMAR AND STRUCTURE FOR ENGLISH AS A SECOND LANGUAGE</b> This course is designed to provide ESL students with intensive study and application of the fundamentals of advanced English grammar and structure in preparation for collegiate level writing courses. Emphasis will be on the application of grammatical structures to the writing process. Students may choose the credit/no credit grading option. <i>Prerequisite: ESL 55B or equivalent; concurrent enrollment in ESL 51</i> Associate Degree Applicable</p>
<p>ESL 97A-H ½ Unit 1.5 hours 98A-F 1 Unit 3 hours 99A-D 2 Units 6 hours</p>	<p><b>ENGLISH AS A SECOND LANGUAGE LABORATORY</b> 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. <i>Corequisite: Concurrent enrollment in a credit ESL course</i></p>

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## JOURNALISM

### J 3A

3 Units  
Lecture: 3 hours

#### NEWS REPORTING & WRITING (CAN JOUR 2)

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

3 Units  
Lecture: 1 hour  
Laboratory: 6 hours

#### NEWSPAPER PRODUCTION

This is a lecture and laboratory course which provides practical experiences working on the staff of a college newspaper. The experiences include both editorial and production work.

*Prerequisite: J 3A or equivalent*

CSU, Associate Degree Applicable

### J 4B

3 Units  
Lecture: 1 hour  
Laboratory: 6 hours

#### ADVANCED NEWSPAPER PRODUCTION & EDITING

This is an advanced lecture and laboratory course which provides practical experience working in editorial leadership positions on the college newspaper. Both editorial and production experiences are provided. Students will also learn and practice advanced editing skills.

*Prerequisite: J 4A*

CSU, Associate Degree Applicable

### J 6

3 Units  
Lecture: 1 hour  
Laboratory: 6 hours

#### INTRODUCTION TO DESKTOP PUBLISHING

This course is designed to introduce students to the latest techniques in desktop publishing. Students will learn to typeset, design and produce printed material utilizing MacIntosh personal computers, the Apple LaserWriter, and the PageMaker pagination system. It will also provide students with an overview of the rapidly developing field of desktop publishing.

*Prerequisite: Eligibility for ENG 51 or equivalent*

CSU, Associate Degree Applicable

### J 7

3 Units  
Lecture: 2 hours  
Laboratory: 3 hours

#### INTRODUCTION TO PHOTOJOURNALISM

This course is designed to acquaint the student with techniques, theories, and special problems of documentary and magazine photography for illustration and reporting.

*Prerequisite: Eligibility for ENG 51 or equivalent*

CSU, Associate Degree Applicable

### J 10

3 Units  
Lecture: 3 hours

#### MAGAZINE ARTICLE WRITING

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.

*Prerequisite: Eligibility for ENG 51 or equivalent*

Associate Degree Applicable

## MASS COMMUNICATION

### MC 1

3 Units  
Lecture: 3 hours

#### MASS MEDIA IN AMERICAN CULTURE

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: Eligibility for ENG 51 or equivalent*

CSU, UC, Associate Degree Applicable



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<p>MC 2 3 Units Lecture: 3 hours</p>	<p><b>WRITING FOR THE MASS MEDIA</b> This course is designed to introduce students to the varieties and similarities in writing for the mass media. Students will be introduced to the style and requirements for writing for print, broadcast, advertising, and public relations. Reporting and interviewing skills will also be stressed. <i>Prerequisite: Eligibility for ENG 51 or equivalent</i> CSU, Associate Degree Applicable</p>
<p>MC 3 3 Units Lecture: 3 hours</p>	<p><b>TELECOMMUNICATIONS</b> 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. <i>Prerequisite: Eligibility for ENG 51 or equivalent</i> CSU, Associate Degree Applicable</p>
<p>MC 4 3 Units Lecture: 3 hours</p>	<p><b>INTRODUCTION TO MEDIA ADVERTISING</b> 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. <i>Prerequisite: Eligibility for ENG 51 or equivalent</i> CSU, Associate Degree Applicable</p>
<p>MC 5 3 Units Lecture: 3 hours</p>	<p><b>INTRODUCTION TO PUBLIC RELATIONS</b> This course offers students an overview of the public relations field with a practical approach to the handling and planning, of public relations campaigns. <i>Prerequisite: Eligibility for ENG 51 or equivalent</i> CSU, Associate Degree Applicable</p>
<b>RADIO-TELEVISION</b>	
<p>RTV 2 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>RADIO AND TELEVISION ANNOUNCING</b> 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. CSU, Associate Degree Applicable</p>
<p>RTV 3A 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>AUDIO PRODUCTION</b> 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. CSU, Associate Degree Applicable</p>
<p>RTV 3B 3 Units Lecture: 1 hour Laboratory: 6 hours</p>	<p><b>ADVANCED AUDIO PRODUCTION</b> This advanced course provides Audio Production for those persons possessing proven skills. The focus will be on program production. <i>Prerequisite: RTV 3A or equivalent; demonstrated production proficiency</i> CSU, Associate Degree Applicable</p>
<p>RTV 4A 3 Units Lecture: 1 hour Laboratory: 6 hours</p>	<p><b>TELEVISION PRODUCTION</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, Associate Degree Applicable</p>

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RTV 4B  
3 Units  
Lecture: 1 hour  
Laboratory: 6 hours

**ADVANCED TELEVISION PRODUCTION**

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  
3 Units  
Lecture: 3 hours

**RADIO AND TELEVISION WRITING**

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.

CSU, Associate Degree Applicable

**READING**

RDG 1  
2 Units  
Lecture: 1.5 hours  
Laboratory: 1.5 hours

**READING IMPROVEMENT**

This is an accelerated course designed for the better reader. Topics include improving reading rate and comprehension, developing flexible reading rates, extending vocabulary, and study-type reading.

*Prerequisite: RDG 51 or equivalent*

CSU, Associate Degree Applicable

RDG 45  
1 Unit  
Laboratory: 3 hours

**ADVANCED VOCABULARY**

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: Eligibility for ENG 51 or equivalent*

Associate Degree Applicable

RDG 50  
3 Units  
Lecture: 3 hours  
Laboratory: 2 hours

**BASIC READING**

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.

*Prerequisite: Concurrent enrollment in ENG 50 or equivalent*

RDG 51  
3 Units  
Lecture: 3 hours

**ANALYTICAL READING**

This course is designed 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 comprehension. Students will read college-level selections from the content areas, and some sections of RDG 51 are designated as adjunct courses (RDG 51/PSY; RDG51/Western Civ., etc. Please see the semester class schedule.).

*Prerequisite: RDG 50 with a grade of "C" or better or equivalent*

Associate Degree Applicable

RDG 55  
2 Units  
Lecture: 1 hour  
Laboratory: 3 hours

**BASIC VOCABULARY**

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.

Associate Degree Applicable

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## SPEECH (SP)

- SP 1**  
3 Units  
Lecture: 3 hours
- INTRODUCTION TO HUMAN COMMUNICATION**  
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: Eligibility for ENG 51 or equivalent*  
CSU, UC, Associate Degree Applicable
- SP 2**  
3 Units  
Lecture: 3 hours
- ORAL INTERPRETATION OF LITERATURE**  
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.  
*Prerequisite: Eligibility for ENG 51*  
CSU, UC, Associate Degree Applicable
- SP 4**  
3 Units  
Lecture: 3 hours
- PUBLIC SPEAKING**  
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.  
*Prerequisite: Eligibility for ENG 51*  
CSU, UC, Associate Degree Applicable
- SP 5**  
3 Units  
Lecture: 3 hours
- GROUP DISCUSSION PROCESS**  
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.  
*Prerequisite: Eligibility for ENG 51*  
CSU, UC, Associate Degree Applicable
- SP 7**  
3 Units  
Lecture: 3 hours
- DECISION MAKING/ADVOCACY**  
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.  
*Prerequisite: Eligibility for ENG 1A*  
CSU, UC, Associate Degree Applicable
- SP 12A,B**  
3 Units  
Lecture: 1.5 hours  
Laboratory: 4.5 hours
- TEACHING OF PUBLIC COMMUNICATION SKILLS**  
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: Completion of SP 4 with a grade of "A"*  
CSU, Associate Degree Applicable
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SP 15  
3 Units  
Lecture: 3 hours

### INTERCULTURAL COMMUNICATION

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. It involves perception, verbal and nonverbal (body language, appearance, touching, space, and time), processes, value and belief systems, social organization, stereotyping and prejudice. The study leads to a better understanding of American traditions, increased appreciation of the customs of others, and an awareness of more effective methods of communication.

*Prerequisite: Eligibility for ENG 51 or equivalent*  
CSU, UC, Associate Degree Applicable

SP 55A-D  
2 Units  
Lecture: 2 hours

### PRINCIPLES OF STUDENT LEADERSHIP

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 DEGU 55A-D and PS 55A-D.

*Prerequisite: Eligibility for ENG 51 and RDG 51*  
CSU, Associate Degree Applicable

## CULINARY ARTS

CART 3  
5 Units  
Lecture: 2.8 hours  
Laboratory: 6.6  
hours

### PRINCIPLES OF COOKING

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.

*Prerequisite: Eligibility for ENG 51*  
Associate Degree Applicable

CART 4  
5 Units  
Lecture: 3 hours  
Laboratory 6 hours

### PANTRY

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.

*Prerequisite: Eligibility for ENG 51*  
Associate Degree Applicable

CART 5  
5 Units  
Lecture: 2.8 hours  
Laboratory: 6.6  
hours

### PRINCIPLES OF BAKING

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.

*Prerequisite: Eligibility for ENG 51*  
Associate Degree Applicable

CART 6  
5 Units  
Lecture: 2.8 hours  
Laboratory: 6.6  
hours

### GARDE MANGER

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.

*Prerequisite: Eligibility for ENG 51*  
Associate Degree Applicable

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<p><b>CART 8</b> 5 Units Lecture: 2.8 hours Laboratory: 6.6 hours</p>	<p><b>CLASSICAL BUFFET DESSERTS &amp; COMPETITION DISPLAYS</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>
<p><b>CART 10</b> 3 Units Lecture: 3 hours</p>	<p><b>FOOD PROCUREMENT AND COST CONTROL</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>
<p><b>CART 11</b> 3 Units Lecture: 3 hours</p>	<p><b>MENU PLANNING</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>
<p><b>CART 15</b> 4 Units Lecture: 3 hours Laboratory: 3 hours</p>	<p><b>RESTAURANT DESSERTS</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>
<p><b>CART 28</b> 3 Units Lecture: 3 hours</p>	<p><b>RESORT FOOD AND BEVERAGE OPERATION</b> 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. <i>Prerequisite: Eligibility for ENG 51 and MATH 50</i> Associate Degree Applicable</p>
<p><b>CART 32</b> 3 Units Lecture: 3 hours</p>	<p><b>INTRODUCTION TO FOOD SERVICE</b> This course is an overview of the organization of the Food Service Industry and the responsibilities of food service personnel. Job positions at all levels are discussed, including education and experience requirements, personnel qualifications, job responsibilities, and future opportunities. An introduction to foods including terminology and preparation techniques is included. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>
<p><b>CART 33</b> 4 Units Lecture: 3 hours Laboratory: 3 hours</p>	<p><b>INTRODUCTION TO BAKING</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>
<p><b>CART 34</b> 4 Units Lecture: 3 hours Laboratory: 3 hours</p>	<p><b>INTERMEDIATE BAKING</b> 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. <i>Prerequisite: Eligibility for ENG 51; CART 33 or approval of instructor</i> Associate Degree Applicable</p>

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CART 35  
4 Units  
Lecture: 3 hours  
Laboratory: 3 hours

**OPERATIONS MANAGEMENT (PRODUCTION COOKING)**  
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 and HEFS 20*  
Associate Degree Applicable

## DEVELOPMENTAL EDUCATION

### HIGH SCHOOL DIPLOMA

The following courses are available for high school credit:

Dept.	Number		Dept.	Number	
DE	320 A-C	Fund of English	DE	343 A-B	Computer Discovery
DE	324 A-B	Rdg Control Lab	DE	348 A-B	General Science
DE	326 A-B	U.S. History	DE	364 A-D	GED Test Preparation
DE	328 A-B	Prac Amer Govmnt	DE	368 A-B	Beginning Typewriting
DE	332 A-B	World History	DE	376 A-D	Typing
DE	334	U.S. Citizenship	DE	390 A-D	Consumer Education
DE	342 A-C	Prac Basic Math			

The following courses are available for high school credit at Copper Mountain Campus:

Dept.	Number		Dept.	Number	
DE	401	English A-Grammar Fundamentals	DE	422	You and the Law
DE	402	English B-Grammar and Usage	DE	431	Success in Math
DE	403	English III-Writing Skills	DE	432	Accounting I
DE	404	Improving Spelling Skills	DE	433	Accounting II
DE	405	Advanced English Vocabulary Development	DE	434	Math II-Advanced Math
DE	407	American Short Stories-A	DE	435	Trigonometry
DE	408	American Short Stories- B	DE	451	Drama I
DE	421	Economics	DE	452	Drama II

The Department 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 for taking the GED Test are to be made in LM4A. There is a fee for the GED Test.

### ENGLISH AS A SECOND LANGUAGE

The English as a Second Language Program which operates on a year-round, open-entry, open-exit 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.

Dept.	Number	Course Title
DE	310 A-D	ESL Civics I-IV
DE	382 A-F	ESL Grammar
DE	384 A-F	ESL Reading & Writing
DE	386 A-F	ESL Oral Communication
DE	388 A-F	ESL Conversational Skills
DE	399	ESL Language Laboratory

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## EL INGLES COMO SEGUNDO IDIOMA

El departamento de "Developmental Education", Inglés Como Segundo Idioma, 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 la biblioteca del Colegio del Desierto, y las clases que se ofrecen en este departamento se reúnen durante todo el año y 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

DSPS 40 2 Units Lecture: 2 hours	<b>SURVEY OF RESOURCES FOR STUDENTS WITH DISABILITIES</b> The emphasis of this course will be on self-assessment for the student who is disabled, as well as information dissemination. Topics to be discussed will include personal goals, counseling, the college experience, career exploration and college support services and programs. The law and how it affects the disabled will be discussed.
DSPS 40A 2 Units Lecture: 2 hours	<b>PERSONAL ASSESSMENT FOR STUDENTS WITH DISABILITIES</b> This course explores the individual needs and goals of students with disabilities including college experience, guidance, counseling, supportive services and job placement. Emphasis will be on information dissemination and self-assessment. CSU, Associate Degree Applicable
DSPS 40B 2 Units Lecture: 2 hours	<b>EMPLOYMENT FOR THE HANDICAPPED</b> The fundamentals of employment and the process of developing goals for future employment of the handicapped are the two objectives of this course. CSU, Associate Degree Applicable
DSPS 41 2 Units Lecture: 1.5 hours Laboratory: 1.5 hours	<b>INFORMATION MANAGEMENT STRATEGIES</b> The emphasis of this course is to develop or enhance student's ability to manage and organize information. Multi-media instruction is utilized. The lecture section will include video, and/or specific software programs designed to generate informed discussions focused on current events and human interest topics. The lab section provides repetition of the stimulus topic event via video tape or software utilization, plus individualized computer assisted instruction, specific to word processing skill development.
DSPS 42 2 Units Lecture: 1.5 hours Laboratory: 1.5 hours	<b>ALTERNATIVE LEARNING STRATEGIES</b> This course is comprised of specialized computer assisted instruction for students with learning disabilities or acquired brain injuries to provide opportunities to maximize their learning potential and increase academic efficiency.
DSPS 44 1 Unit Laboratory: 3 hours	<b>COMPUTER ACCESS KEYBOARDING</b> Students with verified disabilities will be provided individualized training in keyboarding and word processing skills as is specific to the microcomputer and the technological adaptations chosen. This course is designed to teach keyboarding basics to disabled students who must use adaptive technologies for successful access to the keyboard or screen and/or are unable to compete successfully in mainstream typing classes.
DSPS 45 2 Units Lecture: 2 hours	<b>JOB SKILLS DEVELOPMENT</b> This course is designed to assist students with disabilities in the process of developing and pursuing goals for employment. The course includes clarification, identification of skills, job search techniques and identification of community resources for employment.

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DSPTS 47 ½ Unit Laboratory: 1.5 hours	<b>COMPUTER ACCESS APPLICATIONS</b> Students with various verified disabilities will implement and utilize acquired skills with personalized adapted computer technologies to perform required tasks and participate in regular college courses. <i>Prerequisite: DSPTS 304, or equivalent as determined by instructor</i>
DSPTS 77A 1 Unit Lecture: 1 hour	<b>HEARING IMPAIRED SIGN LANGUAGE</b> This course, which provides an introduction to the fingerspelling alphabet, commonly used signs, and basic vocabulary, is especially designed to develop conversational skill among individuals who already suffer a hearing impairment. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable
DSPTS 301 0 Units	<b>ASSESSMENT OF LEARNING DYSFUNCTION</b> Students will be individually tested for learning disabilities and/or acquired brain injured learning dysfunctions. Title V established testing and criteria will be utilized. An individual education plan (I.E.P.) will be generated. <i>Prerequisite: Students must be referred by appropriate college specialist or agency. Enrollment by permission of instructor</i>
DSPTS 304 0 Units	<b>SPECIAL EDUCATION LAB</b> The Special Education Lab is a laboratory situation that provides access to a Learning Specialist for students with disabilities. The specialist will design and instruct an individualized program of learning activities to support students who are otherwise enrolled in regular programs. <i>Prerequisite: Intended for students with disabilities</i>
DSPTS 305 0 Units	<b>COMPUTER ACCESS ASSESSMENT</b> Students with verified disabilities will receive personal assessment to evaluate individual functional limitations, skills and abilities for the purpose of selecting appropriate computer technological adaptations. Skills training for personal utilization of the selected adapted technology will be provided.

## ENGINEERING/TECHNOLOGY

### AIR CONDITIONING & REFRIGERATION

ACR 60 3 Units Lecture: 2 hours Laboratory: 3 hours	<b>AIR CONDITIONING/REFRIGERATION I</b> In this course students are introduced 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 is covered in this course. <i>Prerequisite: Eligibility for MATH 50 and ENG 51 or concurrent enrollment in ENG 50; concurrent enrollment in ACR 64 is recommended</i> Associate Degree Applicable
ACR 61 3 Units Lecture: 2 hours Laboratory: 3 hours	<b>AIR CONDITIONING/REFRIGERATION II</b> This course provides intensive study of the mechanical refrigeration cycle and its components. Troubleshooting philosophy and techniques are presented to enable the student to diagnose system problems and malfunctioning of air conditioning and refrigeration equipment. Hands-on laboratory experience provides the student an opportunity to practice the methods and techniques presented in the classroom. <i>Prerequisites: ACR 60; concurrent enrollment in ACR 64 or ACR 65 is recommended</i> Associate Degree Applicable

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<p>ACR 62 3 Units Lecture: 3 hours</p>	<p><b>AIR CONDITIONING III</b> This course covers air conditioning systems application and equipment, with an emphasis on service diagnosis, repair and maintenance procedures currently practiced in the field. Techniques for system sizing and selection are presented to the student, with practice solving practical problems. <i>Prerequisites: Eligibility for ENG 51 and MATH 50; ACR 60, 61, 64, 65 or equivalent field experience</i> CSU, Associate Degree Applicable</p>
<p>ACR 63 3 Units Lecture: 3 hours</p>	<p><b>REFRIGERATION IV</b> This course emphasizes commercial refrigeration systems and equipment. Field accepted diagnostic procedures, service techniques and repair methods for commercial refrigeration systems are covered. It also introduces system sizing, selection and design techniques. <i>Prerequisites: ACR 60, 61, 64, and 65 or equivalent field experience; concurrent enrollment in ACR 70A or 70B recommended</i> CSU, Associate Degree Applicable</p>
<p>ACR 64 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>AIR CONDITIONING/REFRIGERATION ELECTRICITY I</b> In this course students are introduced to alternating current electrical theory. The methods used commercially to generate and distribute electrical power are presented. The use of electricity in air conditioning and refrigeration equipment is outlined. The operation, application, wiring, control and basic troubleshooting of induction motors is discussed in detail. <i>Prerequisite: Eligibility for ENG 51 and MATH 50 or concurrent enrollment in ENG 50; concurrent enrollment in ACR 60 recommended</i> Associate Degree Applicable</p>
<p>ACR 65 2 Units Lecture: 2 hours</p>	<p><b>AIR CONDITIONING/REFRIGERATION ELECTRICITY II</b> In this course students are introduced to 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 and pneumatic control are described and analyzed. <i>Prerequisites: ACR 64; concurrent enrollment in ACR 65L recommended</i> Associate Degree Applicable</p>
<p>ACR 65L 1 Unit Laboratory: 3 hours</p>	<p><b>AIR CONDITIONING/REFRIGERATION ELECTRICAL LAB</b> In this course the student utilizes the test instruments, tools and equipment to learn proper methods and troubleshooting circuits and components commonly encountered in air conditioning and refrigeration equipment. It is designed to complement the coursework of ACR 65. <i>Prerequisite: Concurrent or previous enrollment in ACR 65</i> Associate Degree Applicable</p>
<p>ACR 66 1 Unit Lecture: 1 hour</p>	<p><b>AIR CONDITIONING LOAD ESTIMATING</b> 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. <i>Prerequisite: Eligibility for ENG 51 and MATH 50; concurrent enrollment in ACR 60 recommended</i> Associate Degree Applicable</p>
<p>ACR 67 1 Unit Lecture: 1 hour</p>	<p><b>REFRIGERATION LOAD ESTIMATING</b> The students will perform heat load calculations, equipment selection and pipe layout and sizing for commercial refrigeration applications using current field techniques. <i>Prerequisite: Eligibility for ENG 51 and MATH 50; concurrent enrollment in ACR 60 recommended</i> Associate Degree Applicable</p>

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<p>ACR 68 1 Unit Lecture: 1 hour</p>	<p><b>AIR DISTRIBUTION SYSTEMS</b> This course provides the techniques and procedures used in layout, sizing and materials estimating for residential and light commercial duct systems. <i>Prerequisite: ACR 60</i> Associate Degree Applicable</p>
<p>ACR 69 1 Unit Lecture: 1 hour</p>	<p><b>COST ESTIMATING FOR AIR CONDITIONING/REFRIGERATION</b> 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. <i>Prerequisite: Eligibility for ENG 51 and MATH 50; previous or concurrent enrollment in ACR 60</i> Associate Degree Applicable</p>
<p>ACR 70A,B 1 Unit Laboratory: 3 hours</p>	<p><b>AIR CONDITIONING/REFRIGERATION SPECIAL PROJECT</b> 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. <i>Prerequisite: ACR 60, 61, 64; concurrent enrollment in ACR 62 or 63</i> Associate Degree Applicable</p>
<p>ACR 71 2 Units Lecture: 2 hours</p>	<p><b>COMFORT HEATING SYSTEMS</b> This course presents the operation, application and service of comfort heating systems including: gas heating, heat pumps, electric heat and hot water boiler systems. <i>Prerequisite: ACR 60</i> Associate Degree Applicable</p>
<p>ACR 72 2 Units Lecture: 2 hours</p>	<p><b>AIR CONDITIONING/REFRIGERATION ELECTRICITY III</b> In this course students are presented advanced electrical troubleshooting techniques and procedures. The operation, adjustment and service of pneumatic, electrical modulating and solid state control systems and devices is presented. During the presentation of this course, the student develops his/her personal electrical service and data handbook. <i>Prerequisite: ACR 60, 61, 64, 65 and 70C</i> Associate Degree Applicable</p>
<p>ACR 73 1 Unit Lecture: 1 hour</p>	<p><b>PNEUMATIC CONTROL</b> This course provides students with an understanding of pneumatic control systems. The application, operation, selection of components, and service procedures for pneumatic control systems will be presented. <i>Prerequisite: ACR 60 and 64</i> Associate Degree Applicable</p>
<p><b>AUTOMOTIVE AND POWER</b></p>	
<p>AUTO 1 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>AUTOMOTIVE PRINCIPLES I</b> 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. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> Associate Degree Applicable</p>
<p>AUTO 2 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>AUTOMOTIVE PRINCIPLES II</b> 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. <i>Prerequisite: AUTO 1 or equivalent</i> CSU, Associate Degree Applicable</p>

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<p>AUTO 3 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>AUTOMOTIVE PRINCIPLES III</b> 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. <i>Prerequisite: AUTO 1</i> CSU, Associate Degree Applicable</p>
<p>AUTO 12 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>BRAKE &amp; A.B.S. SYSTEMS</b> This course provides basic theory and hands-on experience in automotive brake system and Anti-skid Brake System theory, operation, trouble shooting, and repair. This course is the basis for the State Brake Inspection License course (Auto 31). <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50; AUTO 1 or equivalent</i> Associate Degree Applicable</p>
<p>AUTO 13 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>SUSPENSION AND ALIGNMENT</b> This course provides basic theory and hands-on experience in automotive suspension systems and wheel alignment. It also covers steering systems, wheel balancing, and tire services. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50; AUTO 1 or equivalent</i> Associate Degree Applicable</p>
<p>AUTO 14 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>AUTOMOTIVE ELECTRICAL SYSTEMS</b> This course provides basic theory and hands-on experience in automotive electrical system theory, operation, 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. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50; AUTO 1 or equivalent</i> Associate Degree Applicable</p>
<p>AUTO 15 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>BRAKES AND SUSPENSION</b> This course is a study in the operating principles, design, repair and diagnosis of automotive brake systems on domestic and foreign cars, as well as the theory and practical experience in wheel alignment, balancing, suspension, and steering systems. <i>Prerequisite: AUTO 1 or equivalent</i> Associate Degree Applicable</p>
<p>AUTO 16 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>TUNE UP/ELECTRICAL SYSTEMS</b> This course is a study of electrical systems, starters, generators, voltage regulators, lighting systems and ignition systems. It incorporates operating principles, trouble diagnosis, testing operations and maintenance procedures using the latest equipment and techniques. <i>Prerequisite: AUTO 1 or equivalent</i> Associate Degree Applicable</p>
<p>AUTO 19 ½ Unit Lecture: .5 hours</p>	<p><b>HAZARDOUS MATERIAL-AUTO</b> 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. <i>Prerequisite: Eligibility for ENG 51 or 1 year trade experience</i> Associate Degree Applicable</p>

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<p>AUTO 20 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>AUTO ELECTRIC I (NATEF)</b> 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. <i>Prerequisite: AUTO 1 or 1 year trade experience</i> Associate Degree Applicable</p>
<p>AUTO 21 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>AUTO ELECTRIC II (NATEF)</b> 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. <i>Prerequisite: AUTO 20, or passing ASE Electrical System Test, or completion of 600 hours advanced ROP auto technology course, or 1 year trade experience</i> Associate Degree Applicable</p>
<p>AUTO 22 A-D 1 Unit Lecture: .75 hour Laboratory: .75 hour</p>	<p><b>AUTO ELECTRIC III (NATEF) LAMP LICENSE PREP</b> This course is preparation for the State of California - Bureau of Automotive Repair's Lamp Inspection License Class "A" test. <i>Prerequisite: AUTO 20 and 21, or passing ASE Electrical System Test, or 1 year trade experience</i> Associate Degree Applicable</p>
<p>AUTO 23 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>ENGINE PERFORMANCE I (NATEF)</b> This course provides operating theory and experience in the operation, diagnosis, and repair of Kettering, Electronic, and distributorless (DIS) ignition systems. It covers basic oscilloscope operation and is the basis for engine computer and emission control systems. This course is the first of a 3-course series. <i>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</i> Associate Degree Applicable</p>
<p>AUTO 24 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>ENGINE PERFORMANCE II (NATEF)</b> 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. Use of the exhaust gas analyzer is covered. <i>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</i> Associate Degree Applicable</p>
<p>AUTO 25 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>ENGINE PERFORMANCE III (NATEF)</b> This course includes the theory, operation, testing, diagnosis, and repair of the automotive engine computer control systems used on today's vehicles. <i>Prerequisite: AUTO 20; completion of, or concurrent enrollment in AUTO 21, 23, and 24; or passing ASE Electrical System Test or Engine Performance Tests; or 2 years trade experience in engine tune-up and electrical</i> Associate Degree Applicable</p>

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<p>AUTO 27 A-D 2½ Units Lecture: 2 hours Laboratory: 1.5 hours</p>	<p><b>B.A.R. CLEAN AIR COURSE PART I (formerly AUTO 81-86 A-J)</b> 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. <i>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</i> Associate Degree Applicable</p>
<p>AUTO 28 A-D 2½ Units Lecture: 2 hours Laboratory: 1.5 hours</p>	<p><b>B.A.R. CLEAN AIR COURSE PART II (formerly AUTO 81-86 A-J)</b> Part II of the clean air course inspection procedures diagnosis and repair of 1980 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. <i>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</i> Associate Degree Applicable</p>
<p>AUTO 30 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>BRAKE &amp; ABS SYSTEMS (NATEF)</b> This course provides basic theory and direct experience in automotive brake system and Anti-skid Brake System operation, trouble shooting, and repair. This is the basis for AUTO 31 A-D. <i>Prerequisite: AUTO 1 or 1 year trade experience</i> Associate Degree Applicable</p>
<p>AUTO 31 A-D 1 Unit Lecture: .75 hour Laboratory: .75 hour</p>	<p><b>BRAKE LICENSE PREPARATION (formerly AUTO 66 A-D)</b> This course is preparation for the State of California - Bureau of Automotive Repair's Brake Inspection Class "A" license test. <i>Prerequisite: AUTO 30, or AUTO 20, or 1 year trade experience, or passing ASE Brake Test</i> Associate Degree Applicable</p>
<p>AUTO 33 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>SUSPENSION AND ALIGNMENT (NATEF)</b> This course provides basic theory and direct experience in automotive suspension systems and wheel alignment. <i>Prerequisite: AUTO 1 or 1 year trade experience</i> Associate Degree Applicable</p>
<p>AUTO 34 1¼ Units Lecture: .75 hour Laboratory: 1.5 hours</p>	<p><b>AUTOMOTIVE STEERING (NATEF)</b> This course provides basic theory and direct experience in the service and repair of automotive steering systems. <i>Prerequisite: AUTO 1 or 1 year trade experience</i> Associate Degree Applicable</p>
<p>AUTO 40 1 Unit Lecture: 1 hour</p>	<p><b>BASIC SHOP OPERATIONS</b> This course provides an introduction to daily automotive service department routine. The course will be concerned with personal and shop safety, the writing and interpreting of repair orders, the legal aspects of auto repair, use of service manuals and parts catalogs. It also includes an overview of vehicle systems and a review of the metric system as applied to auto repair. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50; AUTO 1 or equivalent</i> CSU, Associate Degree Applicable</p>

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<p>AUTO 41 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>BASIC AUTOMOTIVE ELECTRICAL SYSTEMS</b> This is a basic level course in automotive electrical systems. It covers batteries, charging and starting systems, their diagnosis and repair. There will be a strong emphasis on the use of wiring diagrams and factory troubleshooting procedures. This is the basis for tune-up, the use of test instruments, and automotive computer systems. <i>Prerequisite: Eligibility for ENG 51 and RDG 51, or concurrent enrollment in ENG 50; 1 year HS Auto Shop or equivalent</i> CSU, Associate Degree Applicable</p>
<p>AUTO 42 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>BASIC FUEL AND IGNITION SYSTEMS</b> This course is an introduction to theory and basic operation of automotive fuel and ignition systems, and how they are related to vehicle performance and exhaust emissions. It also provides the background for the use of automotive diagnostic equipment and for understanding automotive computer systems. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50; AUTO 1 or equivalent</i> CSU, Associate Degree Applicable</p>
<p>AUTO 46 2 Units Lecture: 1.5 hours Laboratory: 1.5 hours</p>	<p><b>AUTOMOTIVE DIAGNOSTIC EQUIPMENT</b> 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. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50; completion or concurrent enrollment in AUTO 42</i> CSU, Associate Degree Applicable</p>
<p>AUTO 50 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>AUTOMOTIVE COMPUTER SYSTEMS</b> This course includes the theory, operation, testing, diagnosis, and repair of the automotive engine computer control systems used on today's vehicles. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50; AUTO 1 or two years of high school auto shop or equivalent; completion of or concurrent enrollment in AUTO 14 or equivalent</i> Associate Degree Applicable</p>
<p>AUTO 51 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>ADVANCED AUTO COMPUTERS</b> This course covers basic knowledge of computer systems and provide detailed insight into automotive onboard computer systems. It also provides in-depth troubleshooting experience using conventional and non-conventional methods. <i>Prerequisite: ENG 51, AUTO 14 and AUTO 50 or trade experience</i> Associate Degree Applicable</p>
<p>AUTO 60 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>AUTOMOTIVE AIR CONDITIONING</b> This course provides basic theory and hands-on experience in automotive air conditioning and heating systems theory, operation, troubleshooting, and repair. It also looks at automotive accessory systems such as power windows and seats, and other commonly installed options. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50; AUTO 14 or equivalent</i> Associate Degree Applicable</p>
<p>AUTO 61 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>COMPUTER IGNITION SYSTEMS</b> This course provides operating theory and hands-on experience in the operation, diagnosis and repair of Kettering, Electronic and Distributorless (DIS) Ignition Systems. It also covers basic oscilloscope and exhaust gas analyzer operation. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50; AUTO 14 or equivalent</i> Associate Degree Applicable</p>

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<p>AUTO 62 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>COMPUTER FUEL SYSTEMS</b> This course provides operating theory and hands-on experience in the operation, diagnosis and repair of automotive fuel systems which utilize carburetors and basic throttle body and port fuel injection systems. Use of the exhaust gas analyzer will be covered as will limited use of the oscilloscope. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50; AUTO 14 or equivalent</i> Associate Degree Applicable</p>
<p>AUTO 63 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>ENGINE REBUILDING</b> This course provides instruction in automotive engine reconditioning methods and procedures. It includes practice in cylinder boring piston pin fitting, valve and seat grinding, and engine disassembly and assembly procedures. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50; AUTO 1 or equivalent</i> Associate Degree Applicable</p>
<p>AUTO 64 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>AUTOMATIC TRANSMISSIONS</b> This course provides operating theory and hands-on experience in the operation, diagnosis, servicing, and repair of automatic transmissions for rear wheel drive vehicles as well as automatic transaxles for front wheel drive vehicles. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50; AUTO 1 or equivalent</i> Associate Degree Applicable</p>
<p>AUTO 65 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>STANDARD TRANSMISSION AND DRIVE TRAINS</b> This course covers the principles of operation and repair of clutches, 3-, 4-, and 5-speed manual transmissions, drive lines for front/rear wheel drive vehicles, differentials, and manual transaxles. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50; AUTO 1 or equivalent</i> Associate Degree Applicable</p>
<p>AUTO 67 3 Units Lecture: 3 hours</p>	<p><b>EMISSION CONTROL LICENSE PREPARATION</b> Emission control systems and state regulations dealing with licensing installers are emphasized in this course. Upon completion of this course, students will qualify to take the State Class A License examinations. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50; minimum one year field experience or equivalent automotive training</i> Associate Degree Applicable</p>
<p>AUTO 68 1 Unit Lecture: 1 hour</p>	<p><b>NIASE TEST PREPARATION</b> This course prepares the student for the Automotive Service Excellence Test (NIASE): "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. <i>Prerequisite: One year job experience or completion of three automotive courses</i> Associate Degree Applicable</p>
<p>AUTO 69 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>SMALL ENGINES</b> This course is the study of the theory and operating principles of small two-cycle and four-cycle engines. It includes practical work in testing, repairing, and operating engines such as power lawn mowers, motor cycles, and outboard motors. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> Associate Degree Applicable</p>

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<p>AUTO 71A-L 1 Unit Laboratory: 3 hours</p>	<p><b>AUTOMOTIVE LABORATORY</b> 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. <i>Prerequisites: Concurrent enrollment in one or more automotive classes or instructor consent</i> Associate Degree Applicable</p>
<p>AUTO 72A-F 2 Units Laboratory: 6 hours</p>	<p><b>AUTOMOTIVE LABORATORY</b> 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. <i>Prerequisites: Concurrent enrollment in one or more automotive classes or instructor consent</i> Associate Degree Applicable</p>
<p>AUTO 73A-D 3 Units Laboratory: 9 hours</p>	<p><b>AUTOMOTIVE LABORATORY</b> 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. <i>Prerequisites: Concurrent enrollment in one or more automotive classes or instructor consent</i> Associate Degree Applicable</p>
<p>AUTO 74A-C 4 Units Laboratory: 12 hours</p>	<p><b>AUTOMOTIVE LABORATORY</b> 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. <i>Prerequisites: Concurrent enrollment in one or more automotive classes or instructor consent</i> Associate Degree Applicable</p>
<p>AUTO 75A-D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>ANTIQUA AND CLASSIC AUTO RESTORATION</b> This course includes disassembly, cleaning, inspecting, measuring, servicing, rebuilding and replacing component parts of classic or antique autos. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> Associate Degree Applicable</p>
<p>AUTO 76A,B 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>ANTIQUA AND CLASSIC AUTO ENGINE REBUILDING</b> Principles of engine removal, disassembly, cleaning, refurbishing and assembly are demonstrated and applied in this course. It is limited to antique and classic auto engines. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> Associate Degree Applicable</p>
<p>AUTO 78A,B 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>ALTERNATIVE FUELS</b> 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. <i>Prerequisite: AUTO 1 or equivalent</i> Associate Degree Applicable</p>
<p>AUTO 87A-C ½ Unit Lecture: .5 hours</p>	<p><b>B.A.R. CITATION 1</b> 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. <i>Prerequisite: AUTO 27-28 or trade experience; possess a SMOG check mechanic's license</i></p>

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AUTO 88A-C  
1 Unit  
Lecture: 1 hour

**B.A.R. CITATION 2**

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*

**ELECTRONICS**

ELEC 30  
4 Units  
Lecture: 3 hours  
Laboratory: 3 hours

**INTRODUCTION TO ELECTRONICS**

This is a first course in electricity and electronics which stresses principles of electric circuit behavior rather than analysis. It covers sources of electricity, power magnetism, inductance, capacitance, tuned circuits, motors, generators, vacuum tubes, transistors, and basic radio principles.

*Prerequisite: Eligibility for MATH 50*

CSU, Associate Degree Applicable

ELEC 31  
4 Units  
Lecture: 3 hours  
Laboratory: 3 hours

**INTRODUCTION TO ELECTRONICS II**

This course provides further study of electric and electronic fundamentals. It includes component and circuit characteristics and stresses application rather than rigorous design and analysis. Use of instruments and component testing is also covered.

*Prerequisite: ELEC 30*

CSU, Associate Degree Applicable

**ENGINEERING**

ENGR 2  
2 Units  
Lecture: 1 hour  
Laboratory: 3 hours

**SURVEYING**

This course offers theory and hands-on experience in engineering surveying. Students will become familiar with surveying terminology, engineering and architect scales, the care and use of levels, transits and related equipment, land measurements, differential leveling, cut and fill computations, contours, traverses, shape staking and deed descriptions.

*Prerequisite: ENG 50 or eligibility for ENG 51; MATH 5 or equivalent*

CSU, UC, Associate Degree Applicable

ENGR 3  
2 Units  
Lecture: 1 hour  
Laboratory: 3 hours

**ENGINEERING GRAPHICS**

This course is a pre-engineering course which allows students to create solutions to problems and communicate thoughts graphically. It includes formal lettering, sketching and mechanical drawing of objects in 2 and 3 dimensions, orthogonal principles, precision dimensions, and tolerancing.

*Prerequisite: Eligibility for ENG 51; MATH 50 or concurrent enrollment in MATH 57*

CSU, UC, Associate Degree Applicable

ENGR 4  
2 Units  
Lecture: 1 hour  
Laboratory: 3 hours

**DESCRIPTIVE GEOMETRY**

This course covers solutions to drafting, engineering and architectural problems by graphical methods, and space relationships of points, lines, planes and solids. It includes developments, intersections, and vector diagrams.

*Prerequisite: DRA 1 or equivalent; eligibility for MATH 50*

CSU, UC, Associate Degree Applicable

**WELDING**

WELD 28A  
2 Units  
Lecture: 1 hour  
Laboratory: 3 hours

**INDUSTRIAL WELDING PROCESSES I**

This course offers basic instruction and practice in oxy-acetylene welding and cutting and arc welding. It includes the study of welding safety, welding equipment, welding rod, weld joints and position, and metal identification and properties.

CSU, Associate Degree Applicable

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WELD 28B  
2 Units  
Lecture: 1 hour  
Laboratory: 3 hours

**INDUSTRIAL WELDING PROCESSES II**  
This course covers advanced oxy-acetylene and arc welding techniques including joint design and preparation, electrode selection, and weld evaluation. It is designed for intermediate and advanced students, and may be repeated once for credit.  
*Prerequisite: AGE 28A or WELD 28A with grade of C or better*  
CSU, Associate Degree Applicable

## ENVIRONMENTAL DESIGN

### ARCHITECTURE

ARCH 1  
2 Units  
Lecture: 2 hours

**INTRODUCTION TO ARCHITECTURAL PROFESSIONS**  
This course is a comprehensive study of the design professions and occupations, i.e.: architecture, engineering, city planning, construction, interior design and landscape design. Students will evaluate their interests and possible career choice(s).  
*Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50*  
CSU, Associate Degree Applicable

ARCH 2  
3 Units  
Lecture: 3 hours

**MATERIALS OF CONSTRUCTION**  
This course is a general survey of construction materials and processes. It includes a review of concrete, masonry, wood and steel materials used in residential and commercial buildings. Certain techniques, applications and methods of selection of materials and their appropriate uses will be examined.  
*Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50; ARCH 1 or concurrent enrollment*  
CSU, Associate Degree Applicable

ARCH 3A  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours

**ARCHITECTURAL PRACTICE I**  
This course is an introduction to wood construction methods and processes, with an emphasis on architectural details.  
*Prerequisite: DRA 1, ARCH 1 or equivalent*  
CSU, Associate Degree Applicable

ARCH 3B  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours

**ARCHITECTURAL PRACTICE II**  
This is an advanced drafting course for architecture students. It is a comprehensive study of the development of construction documents (working drawings).  
*Prerequisite: ARCH 3A or equivalent*  
CSU, Associate Degree Applicable

ARCH 3C  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours

**ARCHITECTURAL PRACTICE III**  
This course covers construction systems in concrete, steel and masonry. Preparation of outline specifications, production of design development drawings, use of model buildings as a design aid are also covered.  
*Prerequisite: ARCH 3B or equivalent*  
CSU, Associate Degree Applicable

ARCH 5  
2 Units  
Lecture: 1 hour  
Laboratory: 3 hours

**INTRODUCTION TO DRAWING AND PERSPECTIVE**  
Basic techniques used for graphic communication in the design professions will be studied, including orthographic and isometric projections, mechanical perspective, shape, shadows and reflections.  
*Prerequisite: DRA 1 or equivalent*  
CSU, UC, Associate Degree Applicable

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<p>ARCH 6 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>ARCHITECTURAL DELINEATION</b> This course is a study of drawing and sketching as a communication tool in the field of environmental design. It includes the development of basic skills in architectural illustration and proper use of various drawing media. <i>Prerequisite: ARCH 5 or concurrent enrollment; DRA 1</i> CSU, UC, Associate Degree Applicable</p>
<p>ARCH 7 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>DESCRIPTIVE DRAWING &amp; GRAPHIC ANALYSIS</b> This course provides the student with additional proficiency in drawing and sketching with emphasis on freehand graphic communication skills. The link between graphics, design process and communications is demonstrated. <i>Prerequisite: ARCH 6</i> CSU, UC, Associate Degree Applicable</p>
<p>ARCH 8 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>ARCHITECTURAL DESIGN FUNDAMENTALS I</b> This course is a study of creative, problem solving architectural design techniques. Analysis of the built environment, development of environmental perception and graphic communication skills will also be studied. <i>Prerequisite: DRA 1, ARCH 5, ARCH 6</i> CSU, UC, Associate Degree Applicable</p>
<p>ARCH 9 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>ARCHITECTURAL DESIGN FUNDAMENTALS II - Design Principles</b> This course is a study of design problems in three dimension and the concepts of space, form, structure, color, materials and their impact on the built environment. <i>Prerequisite: ARCH 8</i> CSU, UC, Associate Degree Applicable</p>
<p>ARCH 10 3 Units Lecture: 3 hours</p>	<p><b>ENVIRONMENTAL CONTROL SYSTEMS</b> This course is a study of heating, cooling, ventilating, and lighting for residential structures. Passive and active solar design strategies and site analysis are also studied with an emphasis on the following: 1) use of solar energy in architecture; 2) human thermal comfort as a determinant of architectural form; 3) theory and application of climate with an emphasis on architectural methods of energy flow. <i>Prerequisite: ARCH 8 or concurrent enrollment</i> CSU, Associate Degree Applicable</p>
<p>ARCH 11 3 Units Lecture: 3 hours</p>	<p><b>ARCHITECTURAL BLUEPRINT READING</b> 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. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
<p>ARCH 12 2 Units Lecture: 2 hours</p>	<p><b>CONSTRUCTION ESTIMATING</b> This course covers methods used in estimating cost and quantities involved in construction materials, equipment and labor. <i>Prerequisite: Eligibility for MATH 50</i> CSU, Associate Degree Applicable</p>
<p>ARCH 14 2 Units Lecture: 2 hours</p>	<p><b>HISTORY OF ARCHITECTURE</b> This course is a study of architecture design theories and practices of the late 19th and 20th century to the present, including the Beaux Arts, Art Nouveau, Expressionism, de Stijl, International Style, Fascist ideologies, Regionism, Post-World War II, amalgamations of 20th century idioms and recent reactions to contemporary standardization. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>

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<p>ARCH 15 3 Units Lecture: 3 hours</p>	<p><b>ELEMENTARY STRUCTURES</b> This course is for advanced architecture students. It is a study of forces on building structures; shear and bending moment diagrams, static equilibrium and stability of structural systems. <i>Prerequisite: ARCH 2, PH 4A, MATH 1A or equivalent background</i> CSU, Associate Degree Applicable</p>
<p>ARCH 16 3 Units Lecture: 3 hours</p>	<p><b>MECHANICS OF STRUCTURAL MEMBERS</b> This course is a study of stress-strain relationships and material properties; stresses and deformations in structural members due to axial force, torsion and moment. <i>Prerequisite: ARCH 15</i> CSU, Associate Degree Applicable</p>
<p>ARCH 17 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>ARCHITECTURAL DESIGN FUNDAMENTALS III</b> This course is a continuation of Arch Design Fund II. It is a study of problems in three dimensional design; studies in space, form function and other design criteria. It also covers an introduction to site/environmental issues, and architectural history-precedence as design stimulus. <i>Prerequisite: ARCH 9 or equivalent experience</i> CSU, Associate Degree Applicable</p>
<p><b>BUILDING INSPECTION TECHNOLOGY</b></p>	
<p>BIT 10 3 Units Lecture: 3 hours</p>	<p><b>INTRODUCTION TO UBC</b> 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. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
<p>BIT 11 3 Units Lecture: 3 hours</p>	<p><b>PLAN CHECK NONSTRUCTURAL</b> 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. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
<p>BIT 21 2 Units Lecture: 2 hours</p>	<p><b>UNIFORM MECHANICAL CODE</b> This course develops an understanding of mechanical systems, checking of plans to the Uniform Mechanical Code and State Fire Marshall Code (Title 19). <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50; eligibility for MATH 50; BIT 10 recommended</i> CSU, Associate Degree Applicable</p>
<p>BIT 22 2 Units Lecture: 2 hours</p>	<p><b>NATIONAL ELECTRICAL CODE</b> 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. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50; eligibility for MATH 50; BIT 10 recommended</i> CSU, Associate Degree Applicable</p>

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- BIT 23**  
2 Units  
Lecture: 2 hours
- UNIFORM PLUMBING CODE**  
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: Eligibility for ENG 51 or concurrent enrollment in ENG 50; eligibility for MATH 50; BIT 10 recommended*  
CSU, Associate Degree Applicable
- BIT 24**  
2 Units  
Lecture: 2 hours
- ENERGY CONSERVATION CODE**  
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: Eligibility for MATH 50; BIT 10 or equivalent*  
CSU, Associate Degree Applicable
- BIT 25**  
2 Units  
Lecture: 2 hours
- HANDICAPPED ACCESSIBILITY CODE**  
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: Eligibility for ENG 51 or concurrent enrollment in ENG 50; eligibility for MATH 50*  
CSU, Associate Degree Applicable

### CONSTRUCTION MANAGEMENT

- CM 1**  
2 Units  
Lecture: 2 hours
- INTRODUCTION TO CONSTRUCTION MANAGEMENT**  
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; eligibility for MATH 50*  
CSU, Associate Degree Applicable
- CM 2**  
3 Units  
Lecture: 3 hours
- INTRODUCTION TO URBAN PLANNING**  
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**  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours
- SITE AND TERRAIN ANALYSIS**  
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: ENGR 2 or CM 6*  
CSU, Associate Degree Applicable
- CM 4**  
3 Units  
Lecture: 3 hours
- CONSTRUCTION LAW SURVEY**  
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.  
*Prerequisite: Eligibility for ENG 51*  
CSU, Associate Degree Applicable
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- CM 5  
3 Units  
Lecture: 3 hours
- CONSTRUCTION PLANNING**  
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: Eligibility for MATH 50; ARCH 12 and DRA 5*  
CSU, Associate Degree Applicable
- CM 6  
2 Units  
Lecture: 1 hour  
Laboratory: 3 hours
- CONSTRUCTION SURVEYING**  
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.  
*Prerequisite: Eligibility for ENG 51; MATH 5;*  
CSU, Associate Degree Applicable
- CM 7  
3 Units  
Lecture: 3 hours
- INTRODUCTION TO PLANS AND SPECIFICATIONS**  
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.  
*Prerequisite: Completion of or concurrent enrollment in DRA 1, or equivalent*  
CSU, Associate Degree Applicable
- CM 8  
3 Units  
Lecture: 3 hours
- CONSTRUCTION ESTIMATING I**  
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.  
*Prerequisite: Eligibility for ENG 51 and MATH 50*  
CSU, Associate Degree Applicable

## GENERAL DRAFTING

- DRA 1  
3 Units  
Lecture: 2 hour  
Laboratory: 3 hours
- TECHNICAL DRAFTING I**  
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: Eligibility for ENG 51 or concurrent enrollment in ENG 50; eligibility for MATH 50*  
CSU, Associate Degree Applicable
- DRA 2  
3 Units  
Lecture: 1 hour  
Laboratory: 6 hours
- TECHNICAL DRAFTING II**  
This course is a continuation of Technical Drafting I, involving advanced auxiliary views, detail and assembly drawing, standard, precision, and true-position dimensions, parts usage, and drafting for numerical controls.  
*Prerequisite: DRA 1 or instructor consent*  
CSU, Associate Degree Applicable
- DRA 5  
2 Units  
Lecture: 1 hour  
Laboratory: 3 hours
- INTRODUCTION TO COMPUTER AIDED DRAFTING/DESIGN**  
This course provides an introduction to computer aided drafting and design. Major topics to be covered include computer hardware, associated CAD software, basic geometric construction and two dimensional drawings. The course will be taught on Macintosh computers, using the VersaCAD program. Information and skills learned in this course can be utilized by architecture, drafting, interior design, landscape design and engineering majors.  
*Prerequisite: Dra 1 or equivalent*  
CSU, Associate Degree Applicable
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<p>DRA 6 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>ADVANCED COMPUTER AIDED DRAFTING/DESIGN</b> This course provides advanced application of computer aided drafting and design techniques using the VersaCAD program taught on the Macintosh computer. Major topics to be covered include VersaCAD File Dump, VersaCAD 3D Application, Bill of Materials and VersaCAD's Hyper CAD Stacks. <i>Prerequisite: DRA 5 with a grade of C or better</i> CSU, Associate Degree Applicable</p>
<p>DRA 7 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>DRAFTING/DESIGN PROJECT ON CAD</b> 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 VersaCAD. <i>Prerequisite: Completion of DRA 6 with a grade of C or better</i> CSU, Associate Degree Applicable</p>
<p><b>INTERIOR DESIGN</b></p>	
<p>IDSN 10 3 Units Lecture: 3 hours</p>	<p><b>INTERIOR DESIGN (CAN HEC 4)</b> This course provides the entering Interior Design student with an orientation to the profession and an understanding of the relationship of Interior Design to allied fields. Philosophical approaches to the profession will be explored and contemporary developments within the field will be studied. It explores the total life space environment from a functional, technical and aesthetic basis. <i>Prerequisite: Eligibility for ENG 51</i> CSU, Associate Degree Applicable</p>
<p>IDSN 12 3 Units Lecture: 3 hours</p>	<p><b>RESIDENTIAL INTERIOR DESIGN</b> This course allows students to explore the functional and aesthetic factors of space planning and design development for interior spaces. It stresses creative problem solving and communication techniques for the micro-interior environments. <i>Prerequisite: IDSN 10 and DRA 1 with a grade of C or better</i> CSU, Associate Degree Applicable</p>
<p>IDSN 14 3 Units Lecture: 3 hours</p>	<p><b>HISTORY OF INTERIOR ARCHITECTURE</b> This course is a survey of interior architecture, decoration and decorative arts within the cultural context, ancient through the twentieth century. Emphasis is placed on French, Italian, English, and American designs. <i>Prerequisite: Eligibility for ENG 51</i> CSU, Associate Degree Applicable</p>
<p>IDSN 16 3 Units Lecture: 3 hours</p>	<p><b>COLOR: THEORY AND APPLICATION</b> This course explores the theory and application of color as it is used to create and change environments. Emphasis is on the nomenclature, a review of color systems, mixing of colors, color psychology and color application to design problems. <i>Prerequisite: IDSN 10 with a grade of C or better; completion of or concurrent enrollment in ART 3A</i> CSU, Associate Degree Applicable</p>
<p>IDSN 18 3 Units Lecture: 3 hours</p>	<p><b>KITCHEN AND BATH DESIGN</b> This course covers the studio problems of kitchen and bath design. It includes detailed space planning, the development of working plans including cabinet and appliance specification, electrical and plumbing, and the evaluation and modification of existing products. <i>Prerequisite: IDSN 10 and DRA 1 with grade of C or better</i> CSU, Associate Degree Applicable</p>

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<p>IDSN 20 3 Units Lecture: 3 hours</p>	<p><b>COMMERCIAL SPACE PLANNING AND DESIGN</b> This course will present studio problems of intermediate complexity. The student will integrate and extend previous knowledge of working drawings, materials and sources, design methods, and spatial organization in the planning of micro and macro environments. <i>Prerequisite: IDSN 12 and ARCH 3A with grade of C or better</i> CSU, Associate Degree Applicable</p>
<p>IDSN 22 3 Units Lecture: 3 hours</p>	<p><b>MATERIALS AND PROCESS IN INTERIOR DESIGN</b> This course explores methods of analysis, application techniques and evaluation of products and materials used in interiors. The major emphasis will be placed on the processes, materials and resources for products in furniture, wall covering, floor coverings, window treatments, architectural finishes, and ceiling systems. <i>Prerequisite: IDSN 10 or concurrent enrollment</i> Associate Degree Applicable</p>
<p>IDSN 24 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>LIGHTING FOR INTERIOR DESIGN</b> This course covers the application of principles and elements of lighting and wiring to the design of the visual environment. It includes the exploration of color and illumination, task/ambient lighting, energy conservation, codes, illumination calculations, fixture schedules, lighting techniques and layout. <i>Prerequisite: IDSN 12 and IDSN 16 with grade of C or better</i> Associate Degree Applicable</p>
<p>IDSN 26 3 Units Lecture: 1 hour Laboratory: 6 hours</p>	<p><b>INTERIORS II</b> This course presents studio problems of increasing complexity. The student will use previous knowledge, and demonstrate an awareness of handicapped codes in design solutions. Advance two and three-dimensional presentation techniques for all phases of a design project will be used. <i>Prerequisite: IDSN 20 and ARCH 5 with grade of C or better</i> CSU, Associate Degree Applicable</p>
<p>IDSN 28 3 Units Lecture: 3 hours</p>	<p><b>PROFESSIONAL PRACTICES IN INTERIOR DESIGN</b> This course provides the advanced Interior Design student with an orientation to the interprofessional relationships and business practices, responsibilities, and liabilities of interior designers. Emphasis will be placed on specification writing, record keeping and fee procedures, project control and the post-installation procedures. <i>Prerequisite: IDSN 10 or concurrent enrollment</i> CSU, Associate Degree Applicable</p>
<p>IDSN 30 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>PRESENTATION METHODS IN INTERIOR DESIGN</b> This course explores the methods and applications of presentation techniques to finished drawings and boards for interiors. The student will integrate and extend previous drafting skills, design methods, and spatial organization ability in developing presentational packets and portfolio boards. <i>Prerequisite: IDSN 12 with grade of C or better</i> Associate Degree Applicable</p>
<p>IDSN 32 3 Units Lecture: 3 hours</p>	<p><b>SURVEY OF CONTRACT INTERIORS</b> This course surveys the planning and organization of interior spaces that are required for restaurants and lodging facilities. The relation of the furnishings to the architectural space will be stressed with a consideration to material selection and budgets. <i>Prerequisite: IDSN 26 with grade of C or better</i> Associate Degree Applicable</p>

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## FASHION/CLOTHING AND NUTRITION

### APPAREL DESIGN AND PRODUCTION

- ADSN 20A,B**  
2 Units  
Lecture: 1 hour  
Laboratory 3 hours
- APPAREL DESIGN: TAILORING**  
This course covers the advanced skills of fitting, construction and pressing principles applicable to a tailored garment such as suits and coats. It stresses experience with traditional and contemporary tailoring techniques and shaping and stabilizing component compatibility with the design and fabric. (Only two units can be applied toward an A.A. Degree.)  
*Prerequisite: CT 18 with a grade of C or better*  
Associate Degree Applicable
- ADSN 22A,B**  
2 Units  
Lecture: 1 hour  
Laboratory: 3 hours
- APPAREL DESIGN: CONSTRUCTION TECHNIQUES**  
This course examines the construction methods used by manufacturers of ready-to-wear. It stresses experience with traditional and contemporary techniques utilizing professional equipment.  
*Prerequisite: Eligibility for ENG 51; completion of CT 18 with a grade of C or better*  
Associate Degree Applicable
- ADSN 24A,B**  
2 Units  
Lecture: 1 hour  
Laboratory: 3 hours
- APPAREL DESIGN: FLAT PATTERN I**  
This course will apply the principles of dress to the construction of patterns by the flat pattern method. Emphasis will be placed on the development and use of a basic sloper, concluding in a finished garment developed through the media of flat pattern.  
*Prerequisite: Eligibility for ENG 51; CT 16 with a grade of C or better*  
UC, Associate Degree Applicable

### CLOTHING AND TEXTILES

- CT 10**  
3 Units  
Lecture: 3 hours
- TEXTILES: FIBER TO FILAMENTS (CAN HEC 6)**  
This course studies the sources and characteristics of natural fibers and synthetic filaments used in the manufacture of fabrics for clothing and home furnishings; and the durability, care and maintenance of these textiles.  
*Prerequisite: Eligibility for ENG 51*  
CSU, UC, Associate Degree Applicable
- CT 16A-D**  
2 Units  
Lecture: 1 hour  
Laboratory: 3 hours
- CLOTHING CONSTRUCTION (CAN HEC 10 CT 16A only)**  
This course covers the custom and speed techniques for developing skill in clothing construction, various techniques for obtaining a perfect fit of a garment plus professional methods of construction of clothes. It includes evaluation of equipment. It is designed for both the beginner and the experienced seamstress. (Only two units can be applied toward an A.A. Degree. CSU accept 16A only.)  
*Prerequisite: Eligibility for ENG 51*  
CSU, Associate Degree Applicable
- CT 18A-D**  
2 Units  
Lecture: 1 hour  
Laboratory 3 hours
- ADVANCED CLOTHING CONSTRUCTION**  
This course covers the advanced skills in clothing construction including custom couture techniques, the use of special fabrics such as plaids, lace, sheers, and pile, and the methods of individualizing clothing with structural and applied designs such as piping, quilting or applique. (Only two units can be applied toward an A.A. Degree. CSU accept 18A only.)  
*Prerequisite: Completion of CT 16 with a grade of C or better*  
CSU, Associate Degree Applicable

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## FASHION MERCHANDISING

FM 20  
3 Units  
Lecture: 3 hours

**APPAREL ANALYSIS (CAN HEC 20)**  
This course analyzes the quality of materials, design and construction in ready-to-wear garments and accessories, compares the processes involved in manufacturing, the concepts of sizing, principles of fit, and aids in buying and selling.  
*Prerequisite: Eligibility for ENG 51*  
CSU, Associate Degree Applicable

## FOOD SERVICE

HEFS 1  
3 Units  
Lecture: 3 hours

**SANITATION AND SAFETY**  
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.  
*Prerequisite: Eligibility for ENG 51*  
Associate Degree Applicable

HEFS 20  
4 Units  
Lecture: 2 hours  
Laboratory: 6 hours

**PRINCIPLES OF QUANTITY FOOD PREPARATION**  
This course provides the student with a basic understanding of the principles of food preparation. Emphasis will be placed on food preparation terms and techniques, the use of weights and measures, food chemistry, and physical changes in the preparation of foods.  
*Prerequisite: Eligibility for ENG 51*  
Associate Degree Applicable

HEFS 75  
3 Units  
Lecture: 3 hours

**SUPERVISION AND TRAINING TECHNIQUES**  
Study of procedures and problems met by food service operations in developing personnel programs and desirable labor management relationships. Includes the responsibility of selection, placement, orientation, training, counseling, rating and promotion of employees.  
Associate Degree Applicable

## HOME ECONOMICS

HEC 13  
3 Units  
Lecture: 3 hours

**GENERAL NUTRITION (CAN HEC 2)**  
This course is a study of the chemical composition of foods and their utilization by the body. Emphasis on practical problems of nutrition and relationship of adequate diet to physical and mental health is covered.  
*Prerequisite: Eligibility for ENG 51*  
CSU, UC, Associate Degree Applicable

HEC 14  
3 Units  
Lecture: 3 hours

**THERAPEUTIC DIETS**  
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 with a grade of C or better*  
Associate Degree Applicable

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## FIRE SCIENCE

### FIRE SCIENCE

- FS 1  
3 Units  
Lecture: 3 hours
- INTRODUCTION TO FIRE TECHNOLOGY**  
This course provides an introduction to fire protection in the following areas: philosophy, history, function, public and private organization, laws, regulations, nomenclature, career opportunities, and the basic physics and chemistry of fire. It is designated FT-1 by the State Board of Fire Services and California State Fire Marshal (CSFM) and is part of the designated core curriculum.  
*Prerequisite: Eligibility for ENG 51 & RDG 51 or concurrent enrollment in ENG 50*  
CSU, Associate Degree Applicable
- FS 2  
3 Units  
Lecture: 3 hours
- FIRE PROTECTION CHEMISTRY**  
This course provides fundamental information and knowledge of the physical and chemical characteristics of matter, fire, hazardous materials, and basic extinguishment theory. It is designated FT-2 by the State Board of Fire Services and California State Fire Marshal (CSFM) and is part of the designated core curriculum.  
*Prerequisite: Eligibility for ENG 51 & RDG 51 or concurrent enrollment in ENG 50*  
CSU, Associate Degree Applicable
- FS 3  
3 Units  
Lecture: 3 hours
- FUNDAMENTALS OF FIRE PREVENTION**  
This course provides fundamental information regarding the history and philosophy of fire prevention, organization, and operation of a fire bureau, use of fire codes, identification and correction of fire hazards, and the relationship of fire prevention with fire safety education and detection and suppression systems. It is designated FT-3 by the State Board of Fire Services and California State Fire Marshal (CSFM) and is part of the designated core curriculum.  
*Prerequisite: Eligibility for ENG 51 & RDG 51 or concurrent enrollment in ENG 50*  
CSU, Associate Degree Applicable
- FS 4  
3 Units  
Lecture: 3 hours
- FIRE PROTECTION SYSTEMS**  
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 extinguishers. It is designated FT-4 by the State Board of Fire Services and California State Fire Marshal (CSFM) and is part of the designated core curriculum.  
*Prerequisite: Eligibility for ENG 51 & RDG 51 or concurrent enrollment in ENG 50*  
CSU, Associate Degree Applicable
- FS 5  
3 Units  
Lecture: 3 hours
- FIRE SERVICE OPERATIONS**  
This course provides the fundamentals of fire department organization, management, and resources, and the use of those resources to control various emergencies. It is designated FT-5 by the State Board of Fire Services and California State Fire Marshal (CSFM) and is part of the designated core curriculum.  
*Prerequisite: Eligibility for ENG 51 & RDG 51 or concurrent enrollment in ENG 50*  
CSU, Associate Degree Applicable

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<p>FS 11 3 Units Lecture: 3 hours</p>	<p><b>HAZARDOUS MATERIALS I</b> 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. It is designated FT-6 by the State Board of Fire Services and California State Fire Marshal (CSFM). <i>Prerequisite: Eligibility for ENG 51 &amp; RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
<p>FS 20 1½ Units Lecture: 1.5 hours</p>	<p><b>INTRODUCTION TO VOLUNTEER FIRE SERVICE</b> This course specifically introduces the local fire volunteer to the community fire station and its operational and fire procedures. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>
<p>FS 21 2½ Units Lecture 2.5 hours</p>	<p><b>VOLUNTEER FIRE FIGHTER I</b> This course introduces the volunteer fire fighter to the organization, functions, and safety practices of the local fire department. Fire apparatus use, fire control familiarization, and basic fire fighting tasks are covered. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>
<p>FS 22 1 Unit Lecture .5 hour Laboratory: 1.5 hours</p>	<p><b>VOLUNTEER FIRE FIGHTER II</b> This course teaches the required fire skills needed by volunteers to be classified as Fire Fighter II. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>
<p>FS 23 ½ Unit Lecture: .5 hour</p>	<p><b>VOLUNTEER FIRE FIGHTER III</b> This course introduces the volunteer fire fighter to basic investigation procedures of a fire scene and the preservation of important evidence. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>
<p>FS 24 ½ Unit Lecture: .5 hour</p>	<p><b>VOLUNTEER FIRE FIGHTER IV</b> This course introduces the volunteer fire fighter to the tactics and strategy in fighting structure fires. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>
<p>FS 25 ½ Unit Lecture: .5 hour</p>	<p><b>VOLUNTEER FIRE FIGHTER V - SAFETY</b> This course introduces the volunteer fire fighter to the overall safety procedures that must be practiced at all times, as they apply to fire responses or rescues. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>
<p>FS 26 ½ Unit Lecture: .5 hour</p>	<p><b>VOLUNTEER FIRE FIGHTER VI - EQUIPMENT MAINTENANCE</b> This course introduces the volunteer fire fighter to the maintenance of the fire station, fire equipment, electronic gear, and how maintenance records are kept. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>

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<p>FS 27A-E          ½ Unit          Lecture: .5 hour</p>	<p><b>HAZARDOUS MATERIAL AWARENESS - MODULE I</b>          This course examines the potential for injury and mortality to the public and emergency services personnel who are the initial responders to emergencies, and the necessary precautions needed to protect the public and responders.  <i>Prerequisite: Eligibility for ENG 51</i>          Associate Degree Applicable</p>
<p>FS 28A-E          ½ Unit          Lecture: .5 hour</p>	<p><b>HAZARDOUS MATERIALS HANDLING - MODULE II</b>          This course is an in-depth study of hazardous materials that pose special problems to first responders dealing with hazardous materials.  <i>Prerequisite: Eligibility for ENG 51</i>          Associate Degree Applicable</p>
<p>FS 29          ½ Unit          Lecture: .5 hour</p>	<p><b>AIRCRAFT FIRE AND RESCUE FOR VOLUNTEERS</b>          This course provides the necessary entrance level information for volunteer emergency responders to effectively accomplish the tasks in aircraft fire fighting and rescue.  <i>Prerequisite: Eligibility for ENG 51</i>          Associate Degree Applicable</p>
<p>FS 30          1 Unit          Lecture: 1 hour</p>	<p><b>VOLUNTEER WILDLAND FIRE ACADEMY</b>          This course introduces the volunteer fire fighter to the tactics and procedures to prevent and control wildland fires.  <i>Prerequisite: Eligibility for ENG 51</i>          Associate Degree Applicable</p>
<p>FS 31          ½ Unit          Laboratory: 1 hour</p>	<p><b>VOLUNTEER OVER THE SIDE RESCUE</b>          This course introduces volunteer fire fighters to the practical hands-on use of ropes and knots, slings, harness, litter rigging, zee rigs, and general rescue procedures.  <i>Prerequisite: Eligibility for ENG 51</i>          Associate Degree Applicable</p>
<p>FS 32          1¼ Units          Lecture: .5 hour          Laboratory: 2.25 hours</p>	<p><b>VOLUNTEER PUMP OPERATIONS ACADEMY</b>          This course introduces the volunteer fire fighter to pump theory, hydraulics, hose apparatus, and pumping evolutions.  <i>Prerequisite: Eligibility for ENG 51</i>          Associate Degree Applicable</p>
<p>FS 57          3 Units          Lecture: 3 hours</p>	<p><b>RELATED CODES AND ORDINANCES</b>          This course focuses on uniform building codes, national electrical codes, and life safety codes. The student will become familiar with national, state and local laws and ordinances which influence the field of fire prevention. Field trips may be required.  <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i>          CSU, Associate Degree Applicable</p>
<p>FS 58          3 Units          Lecture: 3 hours</p>	<p><b>FIRE HYDRAULICS</b>          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.  <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i>          CSU, Associate Degree Applicable</p>

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<p>FS 61 3 Units Lecture: 3 hours</p>	<p><b>FIRE APPARATUS AND EQUIPMENT</b> 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. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
<p>FS 62 3 Units Lecture: 3 hours</p>	<p><b>RESCUE PRACTICES</b> 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. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
<p>FS 63A 1 Unit Lecture: 1 hour</p>	<p><b>FIRE SERVICE PRINCIPLES AND PROCEDURES I</b> This course is designed to develop an appreciation for the public service aspects of fire department work and of the necessity for discipline, esprit de corps, and training. Other topics covered include training in the use and care of fire service tools, hose, nozzles, and fittings, ladder rescue equipment, and salvage equipment. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
<p>FS 63B 1 Unit Lecture: 1 hour</p>	<p><b>FIRE SERVICE PRINCIPLES AND PROCEDURES II</b> This course is designed to develop a fundamental knowledge of fire ground operations, an appreciation for comprehensive training, and the ability to lay hose with apparatus and to perform above-ground evolutions and salvage operations. <i>Prerequisites: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
<p>FS 64A 1 Unit Lecture: 1 hour</p>	<p><b>FIRE CONTROL I</b> This course is designed to develop a knowledge of basic chemistry and the behavior of fire, a basic knowledge of building design and fire protection equipment and systems, and a basic understanding of fire strategy. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
<p>FS 72 3 Units Lecture: 3 hours</p>	<p><b>HAZARDOUS MATERIALS II</b> This course is an in-depth study of the problems involved in the handling, manufacture, storage, transportation, use, and laws and standards governing the same, of hazardous materials likely to be encountered in fire fighting practices. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>
<p>FS 73 3 Units Lecture: 3 hours</p>	<p><b>FIRE SERVICE RECORDS AND REPORTS</b> This course familiarizes Fire Service personnel in the use of typical records and reports systems. The topics covered include knowledge and understanding of Fire Department record systems, and principles of report writing and application in the area of pre-fire surveys, post fire reporting, and research and planning. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable</p>

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FS 75 3 Units Lecture: 3 hours	<b>WILD LAND FIRE CONTROL I</b> This course is designed to provide the employed Fire Fighter or Fire Science Major with a fundamental knowledge of the factors affecting wild land fire prevention, fire behavior, and control techniques. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable
FS 76 3 Units Lecture: 3 hours	<b>FIRE VEHICLE MAINTENANCE FOR OPERATORS AND MECHANICS</b> This course includes a fundamental survey of basic vehicle construction, including the main powering systems (fire pumps excluded) and techniques of maintenance. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable
FS 80 3 Units Lecture: 3 hours	<b>FIRE INVESTIGATION</b> This course introduces the student to arson and incendiary fires. Additional topics covered include: methods of determining fire cause, recognizing and preserving evidence, interviewing and determining witnesses, procedures in handling juveniles, court procedure and giving court testimony. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> Associate Degree Applicable
FS 81 2 Units Lecture: 2 hours	<b>DRIVER OPERATOR I</b> 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. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable
FS 82 2 Units Lecture: 2 hours	<b>FIRE INVESTIGATION 1B</b> 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. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable
FS 84 2 Units Lecture: 2 hours	<b>PUMP OPERATIONS</b> 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. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable
FS 85 .2 Units Laboratory: .5 hour	<b>TRUCK COMPANY OPERATIONS</b> This course introduces the career and volunteer fire fighter to the proper use and tactical placement of a truck company at an emergency response. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable

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FS 87 3 Units Lecture: 3 hours	<b>AIRCRAFT CRASH AND RESCUE</b> This course covers the basics in regard to the history and development of aircraft fire protection, aircraft types, engines and systems, specialized fire fighting and rescue apparatus, protective clothing, extinguishing agents, armament and explosive cargo, nuclear weapons, aircraft fire and rescue communications, pre-incident planning, airfield operations, familiarization of airport and surrounding areas, fire department training, fire prevention during fueling operations, aircraft fire fighting and rescue procedures, types of aircraft incidents, fighting aircraft fires and post incident operations. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> Associate Degree Applicable
FS 88 2 Units Lecture: 2 hours	<b>FIRE INVESTIGATION I</b> 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. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable
FS 89 2 Units Lecture: 2 hours	<b>FIRE PREVENTION 1A</b> 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 liquified gases, toxic materials, radioactive substances, explosives, building materials, codes, and the general prevention of private home and public building fires. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable
FS 90 2 Units Lecture: 2 hours	<b>FIRE PREVENTION 1B</b> 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. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable
FS 91 2 Units Lecture: 2 hours	<b>FIRE COMMAND 1A</b> 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, fireground resources, operations and management. This is a California State Fire Marshal Office approved course. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable
FS 92 2 Units Lecture: 2 hours	<b>FIRE MANAGEMENT (Supervision)</b> 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. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable

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FS 93 2 Units Lecture: 2 hours	<b>FIRE INSTRUCTOR 1A</b> 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. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable
FS 94 2 Units Lecture: 2 hours	<b>FIRE INSTRUCTOR 1B</b> 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 FS 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. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable
FS 95 2 Units Lecture: 2 hours	<b>FIRE COMMAND 1B</b> 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. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable
FS 96 2 Units Lecture: 2 hours	<b>FIRE PREVENTION 1C</b> 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. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable
FS 97 3 Units Lecture: 3 hours	<b>COMMUNITY RELATIONS</b> 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. <i>Prerequisite: Eligibility for ENG 51 and RDG 51 or concurrent enrollment in ENG 50</i> CSU, Associate Degree Applicable
FS 98 1 Unit Lecture: 1 hour	<b>EMERGENCY MANAGEMENT AND SIMULATION OPERATIONS</b> This course is designed to teach the career or volunteer fire fighter the basic process of effective management and supervision through fire simulation. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable

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## FOREIGN LANGUAGES

### FRENCH

#### FR 1

5 Units  
Lecture: 5 hours

#### ELEMENTARY FRENCH

This course presents the fundamental essentials of the French language. It includes activities which help students develop functional fluency in understanding, speaking, reading and writing within the context of the French way of life, society, culture and history.

*Prerequisite: Eligibility for ENG 51*

CSU, UC, Associate Degree Applicable

#### FR 1A,B

3 Units  
Lecture: 3 hours

#### ELEMENTARY FRENCH

This two-semester sequence is the same course as described in Elementary French 1 and covers approximately the same material as the full semester FR 1 course. The student may transfer into Elementary FR 2 after completion of FR 1 or 1B.

*Prerequisite: FR 1A - eligibility for ENG 51; FR 1B - successful completion of FR 1A or equivalent*

CSU, UC, Associate Degree Applicable

#### FR 2

5 Units  
Lecture: 5 hours

#### ELEMENTARY FRENCH

Elementary French 2 is a continuation of FR 1. This course is designed to present the fundamental essentials of the French language. It includes activities which help students develop functional fluency in understanding, speaking, reading and writing within the context of the French way of life, society, culture and history.

*Prerequisite: FR 1 or FR 1B with a grade of C or better*

CSU, UC, Associate Degree Applicable

#### FR 2A,B

3 Units  
Lecture: 3 hours

#### ELEMENTARY FRENCH

Elementary French 2A,B is a continuation of French 1 or French 1A,B. This two-semester sequence is the same course as described in French 2 and provides realistic, meaningful communicative situations in the classroom so the students can develop communicative oral and written skills, gain understanding of how French functions as a language and learn about the Francophone world and culture. The 2A,B courses cover the same material as the full semester French 2 course. The student may transfer into Intermediate French 3 after completion of French 2B.

*Prerequisite: 2A - FR 1 or FR 1B or 1 yr. high school French or equivalent; 2B - FR 2A or 2 yrs. high school French or equivalent*

CSU, UC, Associate Degree Applicable

#### FR 3

4 Units  
Lecture: 4 hours

#### INTERMEDIATE FRENCH

This course was designed to strengthen the student's communication skills, especially in the area of writing; to deepen the study of the French language as spoken in everyday situations through the media; to increase the learner's knowledge of French life, customs and culture; to highlight the international aspect and usage of the French language by expanding the student's knowledge of the customs and manners of the Francophone countries; to introduce the study of French literature.

*Prerequisite: FR 2, three years high school French or equivalent*

CSU, UC, Associate Degree Applicable

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<p>FR 4 4 Units Lecture: 4 hours</p>	<p><b>INTERMEDIATE FRENCH</b> This course is a continuation of Intermediate French 3. The combination of Intermediate French 3 and French 4 is formulated to meet the individual needs and interests of students in such areas as the social, cultural, political, economic and literary situations in France and French-speaking countries. This program is ideal for students who wish to participate in conversations, discussions, and correspondence with knowledgeable persons with similar interests, in their study of French literature and culture. <i>Prerequisite: FR 3, four years high school French or equivalent</i> CSU, UC, Associate Degree Applicable</p>
<p>FR 8A-D 3 Units Lecture: 3 hours</p>	<p><b>FRENCH CONVERSATION</b> 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. <i>Prerequisites: Intermediate entry level; FR 2, three years high school French or equivalent; Courses need not be taken in sequence</i> CSU, UC, Associate Degree Applicable</p>
<p>FR 40A,B 3 Units Lecture: 3 hours</p>	<p><b>FRENCH CIVILIZATION</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>
<p>FR 41A-D 3 Units Lecture: 3 hours</p>	<p><b>BASIC SPOKEN FRENCH</b> This series of basic courses is designed to introduce the student to the fundamental formalities of the French language, especially for those who wish to obtain a writing and speaking knowledge of French for vocational, career and professional objectives. The A,B,C,D designations correspond to a four semester sequence in progressive difficulty and mastery of language skills. Students may choose the credit/no-credit grading option. <i>Prerequisites: Successful completion of sequential courses required for FR 41B,C,D</i> CSU, UC, Associate Degree Applicable</p>
<b>GERMAN</b>	
<p>GER 1 5 Units Lecture: 5 hours</p>	<p><b>ELEMENTARY GERMAN</b> This course is designed to present the fundamental essentials of the German language. It includes activities which help students develop functional fluency in understanding, speaking, reading and writing within the context of the German way of life, society, culture and history. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>
<p>GER 1A,B 3 Units Lecture: 3 hours</p>	<p><b>ELEMENTARY GERMAN</b> This course provides a study of the essentials of German grammar and pronunciation as well as oral and written exercises. This is exactly the same course as described in German 1. German 1A covers approximately the first half of the work in German 1, and German 1B covers approximately the second half of the work in German 1. <i>Prerequisite: GER 1A - eligibility for ENG 51; GER 1B - GER 1A or equivalent</i> CSU, UC, Associate Degree Applicable</p>

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<p>GER 2 5 Units Lecture: 5 hours</p>	<p><b>ELEMENTARY GERMAN</b> This course is designed to present the fundamental essentials of the German language. It includes activities which help students develop functional fluency in understanding, speaking, reading and writing within the context of the German way of life, society, culture and history. <i>Prerequisite: GER 1 or GER 1B with a grade of C or better</i> CSU, UC, Associate Degree Applicable</p>
<p>GER 2A,B 3 Units Lecture: 3 hours</p>	<p><b>ELEMENTARY GERMAN</b> This two-semester series of elementary courses is the same as German 2 and is a continuation of German 1 or German 1A,B. German 2A covers the first half of German 2, and German 2B covers the second half of the work in German 2. <i>Prerequisite: 2A - GER 1, GER 1B or 1 yr. high school German or equivalent; 2B - GER 2A or 2 yrs. high school German or equivalent</i> CSU, UC, Associate Degree Applicable</p>
<p>GER 40A,B 3 Units Lecture: 3 hours</p>	<p><b>GERMAN CIVILIZATION</b> This series of courses offers an introduction to the major currents and characteristics of 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. <i>Prerequisite: Eligibility for ENG 51; GER 40B - GER 40A with a grade of C or better</i> CSU, UC, Associate Degree Applicable</p>
<p>GER 41A-D 3 Units Lecture: 3 hours</p>	<p><b>BASIC GERMAN</b> This series of basic courses is designed to introduce the student to the fundamental formalities of the German language, especially for those who wish to obtain a speaking and writing knowledge of German for vocational, career and professional objectives. The A,B,C,D designations correspond to a four semester sequence of progressive difficulty and mastery of skills. Students may choose the credit/no credit grading option. <i>Prerequisites: Successful completion of sequential courses required for GER 41B,C,D</i> CSU, Associate Degree Applicable</p>
<b>ITALIAN</b>	
<p>ITAL 1 5 Units Lecture: 5 hours</p>	<p><b>ELEMENTARY ITALIAN</b> This course is designed to present the fundamental essentials of the Italian language. It includes activities which help students develop functional fluency in understanding, speaking, reading and writing within the context of the Italian way of life, society, culture and history. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>
<p>ITAL 1A,B 3 Units Lecture: 3 hours</p>	<p><b>ELEMENTARY ITALIAN</b> This course provides a study of the essentials of Italian grammar and pronunciation as well as oral and written exercises. This is exactly the same course as described in Italian 1. Italian 1A covers approximately the first half of the work in Italian 1; Italian 1B covers approximately the second half of the work in Italian 1. <i>Prerequisite: ITAL 1A - Eligibility for ENG 51; ITAL 1B - ITAL 1A or equivalent</i> CSU, UC, Associate Degree Applicable</p>

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<p>ITAL 2 5 Units Lecture: 5 hours</p>	<p><b>ELEMENTARY ITALIAN</b> This course is designed to present the fundamental essentials of the Italian language. It includes activities which help students develop functional fluency in understanding, speaking, reading and writing within the context of the Italian way of life, society, culture and history. <i>Prerequisite: ITAL 1 or ITAL 1B with a grade of C or better</i> CSU, UC, Associate Degree Applicable</p>
<p>ITAL 2A,B 3 Units Lecture: 3 hours</p>	<p><b>ELEMENTARY ITALIAN</b> This two semester series of elementary courses is the same as Italian 2 and is a continuation of Italian 1 or Italian 1A,B. Italian 2A covers the first half of Italian 2, and Italian 2B covers the second half of the work in Italian 2. <i>Prerequisite: 2A - ITAL 1 or ITAL 1B or 1 yr. of high school Italian or equivalent; 2B - ITAL 2A or 2 yrs. of high school Italian or equivalent</i> CSU, UC, Associate Degree Applicable</p>
<p>ITAL 3 4 Units Lecture: 4 hours</p>	<p><b>INTERMEDIATE ITALIAN</b> This course provides a thorough review of the fundamental principles of grammar with practical application of written and oral exercises to develop fluency in idiomatic usage. Reading of Italian literature; short stories, novels and plays is included as well as oral and written reports on outside reading. <i>Prerequisite: ITAL 2 or equivalent</i> CSU, UC, Associate Degree Applicable</p>
<p>ITAL 4 4 Units Lecture: 4 hours</p>	<p><b>INTERMEDIATE ITALIAN</b> This course is a continuation of Italian 3 with greater emphasis on reading selections from Italian literature, composition and conversation. <i>Prerequisite: ITAL 3 or equivalent</i> CSU, UC, Associate Degree Applicable</p>
<p>ITAL 40A,B 3 Units Lecture: 3 hours</p>	<p><b>SURVEY OF ITALIAN CIVILIZATION</b> This course introduces the student 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. <i>Prerequisite: Eligibility for ENG 51; ITAL 40B - ITAL 40A with a grade of C or better</i> CSU, UC, Associate Degree Applicable</p>
<p>ITAL 41A-D 3 Units Lecture: 3 hours</p>	<p><b>BASIC ITALIAN</b> This series of basic Italian courses is designed to introduce the student to the fundamentals of the Italian language, especially for those who wish to obtain a writing and speaking knowledge of Italian for vocational, professional, and/or travel activities. The A,B,C,D designations correspond to a four semester sequence in progressive difficulty and mastery of skills. Students may choose the credit/no credit grading option. <i>Prerequisite: Successful completion of sequential courses required for ITAL 41B,C,D</i> CSU, Associate Degree Applicable</p>

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## JAPANESE

JPN 1A,B  
3 Units  
Lecture: 3 hours

### ELEMENTARY JAPANESE

This course introduces the student to elementary communication skills of learning, speaking, reading and writing Japanese. The student will learn the fundamentals of grammar and pronunciation, practical vocabulary and useful phrases and idioms. Students will also gain an understanding and appreciation of Japanese culture as well as be introduced to honorific, polite, and humble forms of vocabulary and expressions and will analyze the importance of human relationships among different strata of the Japanese society.

*Prerequisite: JPN 1A - eligibility for ENG 51; JPN 1B - JPN 1A or equivalent*  
CSU, UC, Associate Degree Applicable

JPN 2A,B  
3 Units  
Lecture: 3 hours

### ELEMENTARY JAPANESE

This course sequence advances the student in her/his acquisition of elementary communication skills in Japanese. While speaking will be an important objective in this course, emphasis will be placed on reading comprehension and writing production. Grammar, syntax and cultural exposure will be an integral part of the course as well.

*Prerequisite: 2A - JPN 1 or JPN 1B or 1 yr. of high school Japanese or equivalent; 2B - JPN 2A or 2 yrs. of high school Japanese or equivalent*  
CSU, UC, Associate Degree Applicable

## RUSSIAN

RUS 1A,B  
3 Units  
Lecture: 3 hours

### ELEMENTARY RUSSIAN

This course introduces the student to elementary communication skills: how to understand, speak, read and write Russian. Fundamentals of grammar and pronunciation, practical vocabulary and useful idioms will be covered. The student will also gain an understanding and appreciation of Russian culture.

*Prerequisite: 1A - eligibility for ENG 51; 1B - RUS 1A or equivalent*  
CSU, UC, Associate Degree Applicable

RUS 2A,B  
3 Units  
Lecture: 3 hours

### ELEMENTARY RUSSIAN

Elementary Russian 2A,B is a continuation of Russian 1A,B. This two-semester sequence provides realistic communicative situations in the classroom so the students can continue to develop their skills in comprehension, speaking, reading and writing. Grammar and pronunciation will be thoroughly covered.

*Prerequisite: 2A - RUS 1B or one year high school Russian or equivalent; 2B - RUS 2A or two years of high school Russian or equivalent*  
CSU, UC, Associate Degree Applicable

RUS 41A-D  
3 Units  
Lecture: 3 hours

### BASIC SPOKEN RUSSIAN

This is a series of courses designed to introduce the student to the fundamental formalities of the Russian language emphasizing oral practice, structure, and vocabulary development from an everyday situation-point of view. The A,B,C,D designates correspond to linguistic skills and cultural content.

*Prerequisite: Successful completion of sequential courses required for RUS 41B,C,D*  
CSU, Associate Degree Applicable

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<b>SPANISH</b>	
SPAN 1 5 Units Lecture: 5 hours	<b>ELEMENTARY SPANISH</b> This course is designed to present the fundamental essentials of the Spanish language. It includes activities which help students develop functional fluency in understanding, speaking, reading and writing within the context of the Spanish way of life, society, culture and history. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable
SPAN 1A,B 3 Units Lecture: 3 hours	<b>ELEMENTARY SPANISH</b> This course provides a study of the essentials of Spanish grammar and pronunciation as well as oral and written exercises. This is exactly the same course as described in Spanish 1. Spanish 1A covers approximately the first half of the work in Spanish 1, and Spanish 1B covers approximately the second half of the work in Spanish 1. <i>Prerequisite: SPAN 1A - eligibility for ENG 51; SPAN 1B - successful completion of SPAN 1A</i> CSU, UC, Associate Degree Applicable
SPAN 2 5 Units Lecture: 5 hours	<b>ELEMENTARY SPANISH</b> This course is designed to present the fundamental essentials of the Spanish language. It includes activities which help students develop functional fluency in understanding, speaking, reading and writing within the context of the Spanish way of life, society, culture and history. Spanish 2 is a second semester continuation of Spanish 1. <i>Prerequisite: SPAN 1 or SPAN 1B with a grade of C or better</i> CSU, UC, Associate Degree Applicable
SPAN 2A,B 3 Units Lecture: 3 hours	<b>ELEMENTARY SPANISH</b> Elementary Spanish 2A,B is a continuation of Spanish 1 or 1A,B. This two-semester sequence is the same as described in Spanish 2. The 2A and 2B courses cover the same material as the full semester Spanish 2 course. Upon completion of Spanish 2B, the student may transfer into Intermediate Spanish 3. <i>Prerequisite: 2A - SPAN 1 or 1B or 1 yr. high school Spanish or equivalent; 2B - SPAN 2A or 2 yrs. of high school Spanish or equivalent</i> CSU, UC, Associate Degree Applicable
SPAN 3 4 Units Lecture: 4 hours	<b>INTERMEDIATE SPANISH</b> Advanced composition and some translation will be introduced with continued readings in literature and cultural aspects of Hispanic life styles. The course is designed to reinforce the student's progress in developing writing skills and oral fluency and accuracy in idiomatic usage. <i>Prerequisite: SPAN 2 or three years of high school Spanish, or equivalent</i> CSU, UC, Associate Degree Applicable
SPAN 4 4 Units Lecture: 4 hours	<b>INTERMEDIATE SPANISH</b> This course is a continuation of Spanish 3 with more concentrated emphasis on cultural and literary readings designed to augment oral and composition skills. <i>Prerequisite: SPAN 3 or four years high school Spanish or equivalent</i> CSU, UC, Associate Degree Applicable
SPAN 5 3 Units Lecture: 3 hours	<b>ADVANCED SPANISH</b> 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. <i>Prerequisites: SPAN 4 or equivalent</i> CSU, UC, Associate Degree Applicable

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SPAN 6 3 Units Lecture: 3 hours	<b>ADVANCED SPANISH</b> This program is essentially the same as Spanish 5 with emphasis on Spanish-American literature and culture. <i>Prerequisites: SPAN 5 or equivalent</i> CSU, UC, Associate Degree Applicable
SPAN 8A-D 3 Units Lecture: 3 hours	<b>SPANISH CONVERSATION</b> 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. <i>Prerequisite: SPAN 2 or three years high school Spanish or equivalent; courses need not be taken in sequence</i> CSU, UC, Associate Degree Applicable
SPAN 10 3 Units Lecture: 3 hours	<b>SPANISH FOR THE BILINGUAL STUDENT</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable
SPAN 11 3 Units Lecture: 3 hours	<b>SPANISH FOR THE BILINGUAL STUDENT</b> 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. <i>Prerequisite: SPAN 10 or equivalent</i> CSU, UC, Associate Degree Applicable
SPAN 40A,B 3 Units Lecture: 3 hours	<b>SPANISH CIVILIZATION</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable
SPAN 41A-D 3 Units Lecture: 3 hours	<b>BASIC SPANISH</b> This series of basic courses is designed to introduce the student to the fundamental formalities of the Spanish language emphasizing oral practice, grammatical structure, pronunciation and vocabulary development from an every day practical contextual point of view; especially for those who wish to obtain a speaking and writing knowledge of Spanish for vocational, career and professional objectives. The A,B,C,D designations correspond to a four semester sequence of progressive difficulty and mastery of language skills. Students may choose the credit/no-credit grading option. <i>Prerequisite: Successful completion of sequential courses required for 41B,C,D</i> CSU, Associate Degree Applicable
FL 97A-D ½ Unit 1.5 hours 98A-D 1.0 Unit 3.0 hours 99A-B 2.0 Units 6.0 hours	<b>FOREIGN LANGUAGE CENTER</b> Foreign Language Center 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 will be on the one-to-one tutorial as well as the computer-assisted, audiotape and videotape monitoring approaches. <i>Corequisite: Concurrent enrollment in a foreign language course</i>

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PE 53A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours	DANCE, MODERN (Jazz) These courses provide beginning, intermediate, advanced, and advanced II instruction in jazz dance technique for the improvement of body mechanics and coordination. CSU, UC, Associate Degree Applicable
PE 54A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours	DANCE, STEP AEROBIC These courses provide beginning, intermediate, advanced, and advanced II instruction in principles, techniques and practices of aerobic conditioning by means of "step" platforms. Hand weights also are used for upper body strengthening. CSU, UC, Associate Degree Applicable
PE 55A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours	DANCE, TAP These courses provide beginning, intermediate, advanced, and advanced II instruction in basic tap dance steps and simple choreography forms for the improvement of coordination. CSU, UC, Associate Degree Applicable
PE 56A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours	DANCE, BALLET These courses provide beginning, intermediate, advanced, and advanced II instruction in ballet technique, vocabulary, history, current events, and appreciation of ballet as an art form. CSU, UC, Associate Degree Applicable
PE 57A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours	FENCING These courses provide beginning, intermediate, advanced, and advanced II 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. CSU, UC, Associate Degree Applicable
PE 59A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours	FLEXIBILITY AND AGILITY, SPORT PERFORMANCE These courses provide an opportunity for beginning, intermediate, advanced, and advanced II instruction for students interested in improving "complete" physical strength, muscular endurance, anaerobic endurance and increased muscular elasticity while reducing connective tissue injuries. Students will be required to participate in strenuous physical activity and testing. <i>Prerequisite: Varsity football player/prospect or coach's permission</i> CSU, UC, Associate Degree Applicable
PE 60A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours	FOOTBALL CONDITIONING These courses provide beginning, intermediate, advanced, and advanced II intensive conditioning and preparation for intercollegiate football. <i>Prerequisite: Varsity football player/prospect or coach's permission</i> CSU, UC, Associate Degree Applicable
PE 61A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours	FOOTBALL, SPRING These courses provide beginning, intermediate, advanced, and advanced II field and classroom preparation for performance oriented students who demonstrate a high degree of skill and interest in intercollegiate football. <i>Prerequisite: Varsity football player/prospect or coach's permission</i> CSU, UC, Associate Degree Applicable
PE 62A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours	GOLF These courses provide beginning, intermediate, advanced, and advanced II instruction and practice in the skills and strategies of golf. CSU, UC, Associate Degree Applicable

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<p>PE 63 1 Unit Lecture: .5 hour Laboratory: 1.5 hours</p>	<p><b>ADAPTED ARCHERY (formerly PE 63 A-C)</b> Archery for the physically challenged student offers instruction in development of shooting skills; knowledge of etiquette, rules, safety and tackle; and practice in tournament rounds. This course is modified to meet each individual's particular needs. <i>Prerequisite: Designed for students with disabilities</i> CSU, UC, Associate Degree Applicable</p>
<p>PE 64 1 Unit Lecture: .5 Laboratory: 1.5 hours</p>	<p><b>ADAPTED TENNIS (formerly PE 64 A-C)</b> Tennis for the physically challenged student offers instruction and practice in modified skills and strategies to meet each individual's particular needs. <i>Prerequisite: Designed for students with disabilities</i> CSU, UC, Associate Degree Applicable</p>
<p>PE 65 1 Unit Lecture: .5 hour Laboratory: 1.5 hours</p>	<p><b>ADAPTED PHYSICAL ACTIVITY (formerly PE 65 A-C)</b> This course is designed to meet the changing activity needs and desires of the physically challenged student. It offers the opportunity to keep physically fit and participate in activities geared to their capabilities. <i>Prerequisite: Designed for students with disabilities</i> CSU, UC, Associate Degree Applicable</p>
<p>PE 66 1 Unit Lecture: .5 hour Laboratory: 1.5 hours</p>	<p><b>ADAPTED AQUATICS (formerly PE 66 A-C)</b> This course for the physically challenged student meets in the four foot pool for exercising and learning swimming skills. Pool lifts and instructional aides are available. <i>Prerequisite: Designed for students with disabilities</i> CSU, UC, Associate Degree Applicable</p>
<p>PE 68A-D 1 Unit Lecture: .5 Laboratory: 1.5 hours</p>	<p><b>JOGGING AND SPEEDWALKING</b> Beginning, intermediate, advanced, and advanced II jogging and speedwalking offer instruction and participation in a progressive program as applied to health and fitness. CSU, UC, Associate Degree Applicable</p>
<p>PE 74A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours</p>	<p><b>PHYSICAL FITNESS, SPORT PERFORMANCE</b> These courses provide the practical application of kinetic principles of HUMAN GAIT relative to upper and lower body extremity movement correlating with the 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, advanced, and advanced II levels. Students will be required to participate in vigorous physical activity, and test and measurement procedures. <i>Prerequisite: Varsity player/prospect or coach's permission</i> CSU, UC, Associate Degree Applicable</p>
<p>PE 77A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours</p>	<p><b>SELF-DEFENSE, CO-ED</b> Beginning, intermediate, advanced, and advanced II self-defense courses provide an introduction to practical street self-defense. Various aspects of the combined arts that will be 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. CSU, UC, Associate Degree Applicable</p>
<p>PE 78A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours</p>	<p><b>SELF-DEFENSE, MARTIAL ARTS</b> Beginning, intermediate, advanced, and advanced II self-defense, martial arts emphasize physical conditioning, sport, philosophy and aesthetic appreciation of form and motion. CSU, UC, Associate Degree Applicable</p>

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<p>PE 79A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours</p>	<p><b>SOCER-TOUCH FOOTBALL</b> These courses provide beginning, intermediate, advanced, and advanced II instruction and practice in the skills and strategies of soccer-touch football. CSU, UC, Associate Degree Applicable</p>
<p>PE 80A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours</p>	<p><b>SOFTBALL, CO-ED</b> These courses provide beginning, intermediate, advanced, and advanced II instruction and practice in skills, strategies and rules of softball. CSU, UC, Associate Degree Applicable</p>
<p>PE 82A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours</p>	<p><b>SWIMMING</b> These courses provide beginning, intermediate, advanced, and advanced II instruction and practice in the various swimming techniques. CSU, UC, Associate Degree Applicable</p>
<p>PE 86A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours</p>	<p><b>TENNIS</b> These courses provide beginning, intermediate, advanced, and advanced II instruction and practice in skills, strategies, and officiating of tennis. CSU, UC, Associate Degree Applicable</p>
<p>PE 87A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours</p>	<p><b>TRACK AND FIELD, CO-ED</b> These courses provide beginning, intermediate, advanced, and advanced II instruction and practice in various techniques of events in track and field. CSU, UC, Associate Degree Applicable</p>
<p>PE 91A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours</p>	<p><b>VOLLEYBALL</b> These courses provide beginning, intermediate, advanced, and advanced II instruction and practice in skills, strategies, and officiating of volleyball. CSU, UC, Associate Degree Applicable</p>
<p>PE 93A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours</p>	<p><b>WATER EXERCISES</b> Beginning, intermediate, advanced, and advanced II water exercises emphasize 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. CSU, UC, Associate Degree Applicable</p>
<p>PE 96A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours</p>	<p><b>WEIGHT TRAINING</b> These courses provide practical application of kinetic strength training principles for the beginner, intermediate, advanced, and advanced II participant. Physical development and improvement shall be attained through the use of selected resistance machinery, free weight apparatus and other selected physical conditioning methods. CSU, UC, Associate Degree Applicable</p>
<p>PE 97A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours</p>	<p><b>WEIGHT TRAINING, FOOTBALL</b> These courses provide practical application of kinetic strength training principles for the beginner, intermediate, advanced, and advanced II varsity participant/prospect. Physical development and improvement shall be attained through the use of selected resistance machinery, free weight apparatus and other selected physical conditioning methods. <i>Prerequisite: Varsity football player/prospect or coach's permission</i> CSU, UC, Associate Degree Applicable</p>

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## RECREATION

### RE 1

3 Units  
Lecture: 3 hours

### INTRODUCTION TO COMMUNITY RECREATION

This is a theory and activity 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 will actively participate in the planning and production of various intramural and other special events.

*Prerequisite: Eligibility for ENG 51*  
CSU, Associate Degree Applicable

### RE 2A-D

1 Unit  
Lecture: 1 hour

### RECREATION FIELD WORK

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

## VARSITY SPORTS

### VS 11A,B

3 Units  
10 hours plus games

### VARSITY BASEBALL (M)

This course is intercollegiate competition for performance oriented students who demonstrate a high degree of skill and interest.

*Prerequisite: Successful tryout*  
CSU, UC, Associate Degree Applicable

### VS 14A-D

1½ Units  
5 hours plus games

### VARSITY BASKETBALL (M)

This course is intercollegiate competition for performance oriented students who demonstrate a high degree of skill and interest.

*Prerequisite: Successful tryout*  
CSU, UC, Associate Degree Applicable

### VS 15A-D

1½ Units  
5 hours plus games

### VARSITY BASKETBALL (W)

This course is intercollegiate competition for performance oriented students who demonstrate a high degree of skill and interest.

*Prerequisite: Successful tryout*  
CSU, UC, Associate Degree Applicable

### VS 22A,B

3 Units  
10 hours plus meets

### VARSITY CROSS COUNTRY (M)

This course is intercollegiate competition for performance oriented students who demonstrate a high degree of skill and interest.

*Prerequisite: Successful tryout*  
CSU, UC, Associate Degree Applicable

### VS 23A,B

3 Units  
10 hours plus meets

### VARSITY CROSS COUNTRY (W)

This course is intercollegiate competition for performance oriented students who demonstrate a high degree of skill and interest.

*Prerequisite: Successful tryout*  
CSU, UC, Associate Degree Applicable

### VS 33A,B

3 Units  
10 hours plus games

### VARSITY FOOTBALL (M)

This course is intercollegiate competition for performance oriented students who demonstrate a high degree of skill and interest.

*Prerequisite: Successful tryout*  
CSU, UC, Associate Degree Applicable

### VS 40A,B

3 Units  
10 hours plus  
matches

### VARSITY GOLF

This course is intercollegiate competition for performance oriented students who demonstrate a high degree of skill and interest.

*Prerequisite: Successful tryout*  
CSU, UC, Associate Degree Applicable

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<p>VS 53A,B 3 Units 10 hours plus games</p>	<p><b>VARSAITY SOCCER (M)</b> This course is intercollegiate competition for performance oriented students who demonstrate a high degree of skill and interest. <i>Prerequisite: Successful tryout</i> CSU, UC, Associate Degree Applicable</p>
<p>VS 57A,B 3 Units 10 hours plus games</p>	<p><b>VARSAITY SOFTBALL (W)</b> This course is intercollegiate competition for performance oriented students who demonstrate a high degree of skill and interest. <i>Prerequisite: Successful tryout</i> CSU, UC, Associate Degree Applicable</p>
<p>VS 64A,B 3 Units 10 hours plus matches</p>	<p><b>VARSAITY TENNIS (M)</b> This course is intercollegiate competition for performance oriented students who demonstrate a high degree of skill and interest. <i>Prerequisite: Successful tryout</i> CSU, UC, Associate Degree Applicable</p>
<p>VS 65A,B 3 Units 10 hours plus matches</p>	<p><b>VARSAITY TENNIS (W)</b> This course is intercollegiate competition for performance oriented students who demonstrate a high degree of skill and interest. <i>Prerequisite: Successful tryout</i> CSU, UC, Associate Degree Applicable</p>
<p>VS 68A,B 3 Units 10 hours plus meets</p>	<p><b>VARSAITY TRACK &amp; FIELD (M)</b> This course is intercollegiate competition for performance oriented students who demonstrate a high degree of skill and interest. <i>Prerequisite: Successful tryout</i> CSU, UC, Associate Degree Applicable</p>
<p>VS 69A,B 3 Units 10 hours plus meets</p>	<p><b>VARSAITY TRACK &amp; FIELD (W)</b> This course is intercollegiate competition for performance oriented students who demonstrate a high degree of skill and interest. <i>Prerequisite: Successful tryout</i> CSU, UC, Associate Degree Applicable</p>
<p>VS 74A,B 3 Units 10 hours plus matches</p>	<p><b>VARSAITY VOLLEYBALL (W)</b> This course is intercollegiate competition for performance oriented students who demonstrate a high degree of skill and interest. <i>Prerequisite: Successful tryout</i> CSU, UC, Associate Degree Applicable</p>

## HUMAN SERVICES

### EARLY CHILDHOOD EDUCATION

<p>ECE 1 1 Unit Lecture: 1 hour</p>	<p><b>INTRODUCTION TO EARLY CHILDHOOD PROGRAMS</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>
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<p>ECE 10A 3 Units Lecture: 3 hours</p>	<p><b>CHILD GROWTH AND DEVELOPMENT (CAN HEC 14)</b>          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.  <i>Prerequisite: Eligibility for ENG 51</i>          CSU, UC, Associate Degree Applicable</p>
<p>ECE 10B 3 Units Lecture: 3 hours</p>	<p><b>CHILD GROWTH AND DEVELOPMENT</b>          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.  <i>Prerequisite: ECE 10A with a grade of C or better</i>          UC, Associate Degree Applicable</p>
<p>ECE 12 3 Units Lecture: 3 hours</p>	<p><b>CHILD, FAMILY AND COMMUNITY (CAN H EC 12)</b>          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.  <i>Prerequisite: Concurrent or completion of ECE 10A with a grade of C or better</i>          CSU, Associate Degree Applicable</p>
<p>ECE 14 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>EARLY CHILDHOOD PRINCIPLES &amp; PRACTICES</b>          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.  <i>Prerequisite: ECE 10A, ECE 12, and ECE 42; concurrent enrollment in ECE 15 recommended</i>          CSU, Associate Degree Applicable</p>
<p>ECE 15 2 Units Laboratory: 6 hours</p>	<p><b>EARLY CHILDHOOD LABORATORY</b>          Under supervision, at College of the Desert Child Development Center, students participate in all classroom activities. Students develop and supervise learning experiences, conduct group times, handle routines and respond to individual and group needs of young children.  <i>Prerequisite: ECE 10A, ECE 12, and ECE 42; concurrent enrollment in ECE 14 recommended</i>          CSU, Associate Degree Applicable</p>
<p>ECE 16 1 Unit Lecture: 1 hour</p>	<p><b>PARENTING THE CHILD UNDER SIX</b>          This course explores parent-child interaction patterns. Understanding age-appropriate behaviors, problem behaviors, observation and communication strategies will be emphasized.          Associate Degree Applicable</p>
<p>ECE 19 3 Units Lecture: 3 hours</p>	<p><b>CHILDREN'S LANGUAGE AND LITERATURE</b>          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.  <i>Prerequisite: ECE 10A with a grade of C or better</i>          CSU, Associate Degree Applicable</p>

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<p>ECE 20 3 Units Lecture: 3 hours</p>	<p><b>INFANT/TODDLER GROWTH AND DEVELOPMENT</b> 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. Articulated with CSUSB through the TEACH Project. <i>Prerequisite: ECE 10A with a grade of C or better</i> CSU, Associate Degree Applicable</p>
<p>ECE 21 2 Units Lecture: 2 hours</p>	<p><b>INFANT/TODDLER ENVIRONMENTS</b> 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. <i>Prerequisite ECE 10A or ECE 20 with a grade of C or better</i> Associate Degree Applicable</p>
<p>ECE 22 1 Unit Lecture: 1 hour</p>	<p><b>NUTRITION/MENU PLANNING FOR CHILDREN</b> 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. <i>Prerequisite: ECE 10A with a grade of C or better</i> CSU, Associate Degree Applicable</p>
<p>ECE 24 3 Units Lecture: 3 hours</p>	<p><b>ADMINISTRATION OF PROGRAMS FOR YOUNG CHILDREN</b> 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. <i>Prerequisite: ECE 10A with a grade of C or better; completion of 9 units in ECE</i> CSU, Associate Degree Applicable</p>
<p>ECE 25 3 Units Lecture: 3 hours</p>	<p><b>ADVANCED ADMINISTRATION PROGRAMS FOR YOUNG CHILDREN</b> 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. <i>Prerequisite: ECE 24 with a grade of C or better; completion of 12 units in ECE</i> CSU, Associate Degree Applicable</p>
<p>ECE 26 2 Units Lecture: 2 hours</p>	<p><b>MUSIC &amp; MOVEMENT ACTIVITIES FOR THE SCHOOL AGE CHILD</b> 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. <i>Prerequisite: ECE 10B with a grade of C or better</i> Associate Degree Applicable</p>

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<p>ECE 30A 1 Unit Lecture: 1 hour</p>	<p><b>EARLY CHILDHOOD CURRICULUM DESIGN AND IMPLEMENTATION - Part I</b> 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 will be emphasized. <i>Prerequisite: ECE 10A with a grade of C or better</i> CSU, Associate Degree Applicable</p>
<p>ECE 30B 1 Unit Lecture: 1 hour</p>	<p><b>EARLY CHILDHOOD CURRICULUM DESIGN AND IMPLEMENTATION - Part II</b> 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 will be emphasized. <i>Prerequisite: ECE 10A with a grade of C or better</i> CSU, Associate Degree Applicable</p>
<p>ECE 30C 1 Unit Lecture: 1 hour</p>	<p><b>EARLY CHILDHOOD CURRICULUM DESIGN AND IMPLEMENTATION - Part III</b> This course is an advanced level study of curriculum development of early childhood programs. Included will be developmentally appropriate strategies for small group time and outside time. Assessment of young children and understanding how children develop concepts of space and time will be emphasized. Music and movement activities for young children will also be included. <i>Prerequisite: ECE 10A with a grade of C or better</i> CSU, Associate Degree Applicable</p>
<p>ECE 32 1 Unit Lecture: 1 hour</p>	<p><b>CHILD ABUSE AND NEGLECT</b> This course examines physical abuse and neglect, emotional abuse and neglect, and sexual abuse of children. Emphasis will be on how the classroom teacher, foster parents, and members of the general public can prevent, detect and intervene in cases of child abuse. <i>Prerequisite: Eligibility for ENG 51</i> CSU, Associate Degree Applicable</p>
<p>ECE 33 3 Units Lecture: 3 hours</p>	<p><b>SURVEY OF SPECIAL EDUCATION</b> 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 para professionals in the field of special education will be emphasized. <i>Prerequisite: ECE 10A with a grade of C or better</i> CSU, Associate Degree Applicable</p>
<p>ECE 35A 1 Unit Lecture: 1 hour</p>	<p><b>UNDERSTANDING THE EMOTIONALLY HANDICAPPED CHILD</b> 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 will be analyzed. <i>Prerequisite: ECE 10A and PSY 1 or PSY 3 with a grade of C or better</i> Associate Degree Applicable</p>
<p>ECE 35B 1 Unit Lecture: 1 hour</p>	<p><b>UNDERSTANDING THE LEARNING DISABLED CHILD</b> This course studies specific characteristics of children suffering from learning handicaps. The laws regarding placement, diagnosis, assessment techniques, and methods for remediation will be analyzed. <i>Prerequisite: ECE 10A and PSY 1 or PSY 3 with a grade of C or better</i> Associate Degree Applicable</p>

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<p>ECE 35C 1 Unit Lecture: 1 hour</p>	<p><b>UNDERSTANDING THE DEVELOPMENTALLY DISABLED CHILD</b> This course studies the different types of children in the developmentally disabled population. The current laws, curriculum, treatment methods and family involvement techniques will be included. <i>Prerequisite: ECE 10A and PSY 1 or PSY 3 with a grade of C or better</i> Associate Degree Applicable</p>
<p>ECE 35D 1 Unit Lecture: 1 hour</p>	<p><b>WORKING WITH THE PHYSICALLY HANDICAPPED CHILD</b> This course studies the physical handicaps of children and the characteristics of those handicaps. Emphasis will be placed on the understanding, main-streaming and the responsibilities of the classroom teacher, parents and the specialist. <i>Prerequisite: ECE 10A and PSY 1 or PSY 3 with a grade of C or better</i> Associate Degree Applicable</p>
<p>ECE 40A 2 Units Lecture: 2 hours</p>	<p><b>CREATIVE ACTIVITIES FOR YOUNG CHILDREN</b> This course emphasizes materials and techniques in teaching creative activities to young children. Developing creativity will be emphasized. Various sensory modalities will be explored as a sensory-motor environment is developed for the young child. <i>Prerequisite: Concurrent or completion of ECE 10A with a grade of C or better</i> CSU, Associate Degree Applicable</p>
<p>ECE 40B 2 Units Lecture: 2 hours</p>	<p><b>MOVEMENT ACTIVITIES FOR YOUNG CHILDREN</b> This course emphasizes movement activities designed to develop gross and fine motor skills and increase self-confidence in young children. <i>Prerequisite: Concurrent or completion of ECE 10A with a grade of C or better</i> CSU, Associate Degree Applicable</p>
<p>ECE 40C 2 Units Lecture: 2 hours</p>	<p><b>MUSIC FOR YOUNG CHILDREN</b> 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 will be explored. <i>Prerequisite: Concurrent or completion of ECE 10A with a grade of C or better</i> CSU, Associate Degree Applicable</p>
<p>ECE 40D 2 Units Lecture: 2 hours</p>	<p><b>SCIENCE AND NUMBER CONCEPTS FOR YOUNG CHILDREN</b> 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. <i>Prerequisite: Concurrent or completion of ECE 10A with a grade of C or better</i> CSU, Associate Degree Applicable</p>
<p>ECE 42 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>PLAY, SOCIALIZATION AND DISCIPLINE</b> 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. Articulated with ROP and CSUSB through the TEACH Project. <i>Prerequisite: Concurrent or completion of ECE 10A with a grade of C or better</i> CSU, Associate Degree Applicable</p>

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<p>ECE 43 A,B 1½ Units Lecture: 1 hour Laboratory: 1.5 hours</p>	<p><b>PARENT EDUCATION AND PARTICIPATION (formerly ECE 43)</b> 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. 43A will emphasize physical and cognitive development of young children along with discipline strategies that encourage responsible behavior in children. 43B will emphasize social and emotional development of young children and strategies that support effective communication with young children. <i>Prerequisite: Eligibility for ENG 51</i> Associate Degree Applicable</p>
<p>ECE 44 2 Units Lecture: 2 hours</p>	<p><b>CHILD HEALTH AND SAFETY</b> 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 the community health resources. <i>Prerequisite: ECE 10A with a grade of C or better</i> CSU, Associate Degree Applicable</p>
<p>ECE 45A 1 Unit Lecture: 1 hour</p>	<p><b>LICENSED FAMILY CHILD CARE I</b> 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 will be included. Associate Degree Applicable</p>
<p>ECE 45B 1 Unit Lecture: 1 hour</p>	<p><b>LICENSED FAMILY CHILD CARE II</b> 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 will be emphasized along with requirements for age-appropriate curriculum. Fire safety procedures, earthquake preparedness and infant/child CPR will be included. Associate Degree Applicable</p>
<p>ECE 50 2 Units Lecture: 2 hours</p>	<p><b>NANNY I: THE NANNY PROFESSION</b> This course studies the nanny profession and in-home child care. Emphasis will be on the meaning of professionalism, relationship between employer and employee, the role of the Nanny in the public sector, and the rights and responsibilities of children and family. <i>Prerequisite: ECE 10A with a grade of C or better</i> Associate Degree Applicable</p>
<p>ECE 51 2 Units Lecture: 2 hours</p>	<p><b>NANNY II: HOME MANAGEMENT</b> This course provides an overview of home management skills necessary in the Nanny profession. Emphasis will be on nutrition and meals, health and safety, guidance and discipline, first aid, CPR, recreation and management of time and money. <i>Prerequisite: ECE 50 with a grade of C or better</i> Associate Degree Applicable</p>
<p>ECE 52 2 Units Lecture: 2 hours</p>	<p><b>NANNY III: ADMINISTRATION OF IN-HOME CARE</b> This course provides administrative and managerial knowledge needed to become an effective Nanny. Emphasis will be upon analysis and application of business theory and principles in the area of budget, personnel, environmental design, program and business communications. <i>Prerequisite: ECE 51 with a grade of C or better</i> Associate Degree Applicable</p>

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<p>ECE 60A          ½ Unit          Lecture: .25 hour          Laboratory: .75 hour</p>	<p><b>KEEPING THE INFANT SAFE</b>          This course provides the <u>infant</u> caregiver the skills necessary to provide a safe indoor and outdoor environment, the ability to respond to emergencies appropriately and to help children begin to develop safety habits.  <i>Prerequisite: Eligibility for ENG 51</i>          CSU, Associate Degree Applicable</p>
<p>ECE 60B          ½ Unit          Lecture: .25 hour          Laboratory: .75 hour</p>	<p><b>KEEPING THE TODDLER SAFE</b>          This course provides the <u>toddler</u> caregiver the skills necessary to provide a safe indoor and outdoor environment, the ability to respond to emergencies appropriately, and to help children begin to develop safety habits.  <i>Prerequisite: Eligibility for ENG 51</i>          CSU, Associate Degree Applicable</p>
<p>ECE 60C          ½ Unit          Lecture: .25 hour          Laboratory: .75 hour</p>	<p><b>KEEPING THE PRESCHOOLER SAFE</b>          This course provides the <u>preschool</u> caregiver the skills necessary to provide a safe indoor and outdoor environment, the ability to respond to emergencies appropriately, and to help children begin to develop safety habits.  <i>Prerequisite: Eligibility for ENG 51</i>          CSU, Associate Degree Applicable</p>
<p>ECE 61A          ½ Unit          Lecture: .25 hour          Laboratory: .75 hour</p>	<p><b>CREATING A LEARNING ENVIRONMENT FOR INFANTS</b>          This course provides the <u>infant</u> caregiver the skills necessary to encourage play and exploration, selecting and arranging appropriate materials and equipment that fosters growth and learning, and plan schedules and routines appropriate to the ages of children.  <i>Prerequisite: Eligibility for ENG 51</i>          CSU, Associate Degree Applicable</p>
<p>ECE 61B          ½ Unit          Lecture: .25 hour          Laboratory: .75 hour</p>	<p><b>CREATING A LEARNING ENVIRONMENT FOR TODDLERS</b>          This course provides the <u>toddler</u> caregiver the skills necessary to encourage play and exploration, selecting and arranging appropriate materials and equipment that fosters growth and learning, and plan schedules and routines appropriate to the ages of children.  <i>Prerequisite: Eligibility for ENG 51</i>          CSU, Associate Degree Applicable</p>
<p>ECE 61C          ½ Unit          Lecture: .25 hour          Laboratory: .75 hour</p>	<p><b>CREATING A LEARNING ENVIRONMENT FOR PRESCHOOLERS</b>          This course provides the <u>preschool</u> caregiver the skills necessary to encourage play and exploration, selecting and arranging appropriate materials and equipment that fosters growth and learning, and plan schedules and routines appropriate to the ages of children.  <i>Prerequisite: Eligibility for ENG 51</i>          CSU, Associate Degree Applicable</p>
<p>ECE 62A          ½ Unit          Lecture: .25 hour          Laboratory: .75 hour</p>	<p><b>PROMOTING INFANT GOOD HEALTH/NUTRITION</b>          This course provides the <u>infant</u> caregiver the skills necessary to provide a healthy indoor and outdoor environment, teach children to practice healthful activities, and a reporting process for child abuse and neglect.  <i>Prerequisite: Eligibility for ENG 51</i>          CSU, Associate Degree Applicable</p>
<p>ECE 62B          ½ Unit          Lecture: .25 hour          Laboratory: .75 hour</p>	<p><b>PROMOTING TODDLER GOOD HEALTH/NUTRITION</b>          This course provides the <u>toddler</u> caregiver the skills necessary to provide a healthy indoor and outdoor environment, teach children to practice healthful activities, and a reporting process for child abuse and neglect.  <i>Prerequisite: Eligibility for ENG 51</i>          CSU, Associate Degree Applicable</p>

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<p>ECE 62C          ½ Unit          Lecture: .25 hour          Laboratory: .75 hour</p>	<p><b>PROMOTING PRESCHOOLERS GOOD HEALTH/NUTRITION</b>          This course provides the <u>preschool</u> caregiver the skills necessary to provide a healthy indoor and outdoor environment, teach children to practice healthful activities, and a reporting process for child abuse and neglect.  <i>Prerequisite: Eligibility for ENG 51</i>          CSU, Associate Degree Applicable</p>
<p>ECE 63A          ½ Unit          Lecture: .25 hour          Laboratory: .75 hour</p>	<p><b>PROMOTING INFANT PHYSICAL DEVELOPMENT</b>          This course provides the <u>infant</u> caregiver the skills necessary to reinforce and encourage children's physical development, to select the appropriate equipment and activities for gross and fine motor development.  <i>Prerequisite: Eligibility for ENG 51</i>          CSU, Associate Degree Applicable</p>
<p>ECE 63B          ½ Unit          Lecture: .25 hour          Laboratory: .75 hour</p>	<p><b>PROMOTING TODDLER PHYSICAL DEVELOPMENT</b>          This course provides the <u>toddler</u> caregiver the skills necessary to reinforce and encourage children's physical development, to select the appropriate equipment and activities for gross and fine motor development.  <i>Prerequisite: Eligibility for ENG 51</i>          CSU, Associate Degree Applicable</p>
<p>ECE 63C          ½ Unit          Lecture: .25 hour          Laboratory: .75 hour</p>	<p><b>PROMOTING PRESCHOOL PHYSICAL DEVELOPMENT</b>          This course provides the <u>preschool</u> caregiver the skills necessary to reinforce and encourage children's physical development, to select the appropriate equipment and activities for gross and fine motor development.  <i>Prerequisite: Eligibility for ENG 51</i>          CSU, Associate Degree Applicable</p>
<p>ECE 64A          ½ Unit          Lecture: .25 hour          Laboratory: .75 hour</p>	<p><b>PROMOTING INFANT COGNITIVE DEVELOPMENT</b>          This course provides the <u>infant</u> caregiver the skills necessary to provide opportunities for children to use their senses to explore, interact, build confidence, and develop a cognitive frame of reference.  <i>Prerequisite: Eligibility for ENG 51</i>          CSU, Associate Degree Applicable</p>
<p>ECE 64B          ½ Unit          Lecture: .25 hour          Laboratory: .75 hour</p>	<p><b>PROMOTING TODDLER COGNITIVE DEVELOPMENT</b>          This course provides the <u>toddler</u> caregiver the skills necessary to provide opportunities for children to use their senses to explore, interact, build confidence, and develop a cognitive frame of reference.  <i>Prerequisite: Eligibility for ENG 51</i>          CSU, Associate Degree Applicable</p>
<p>ECE 64C          ½ Unit          Lecture: .25 hour          Laboratory: .75 hour</p>	<p><b>PROMOTING PRESCHOOL COGNITIVE DEVELOPMENT</b>          This course provides the <u>preschool</u> caregiver the skills necessary to provide opportunities for children to use their senses to explore, interact, build confidence, and develop a cognitive frame of reference.  <i>Prerequisite: Eligibility for ENG 51</i>          CSU, Associate Degree Applicable</p>
<p>ECE 65A          ½ Unit          Lecture: .25 hour          Laboratory: .75 hour</p>	<p><b>USING THE INFANT'S ENVIRONMENT TO ENCOURAGE COMMUNICATION</b>          This course provides the <u>infant</u> caregiver the skills necessary to interact with children in ways that encourage them to communicate their thoughts and feelings to other people.  <i>Prerequisite: Eligibility for ENG 51</i>          CSU, Associate Degree Applicable</p>

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<p>ECE 65B            ½ Unit            Lecture: .25 hour            Laboratory: .75 hour</p>	<p>USING THE TODDLER'S ENVIRONMENT TO ENCOURAGE COMMUNICATION            This course provides the <u>toddler</u> caregiver the skills necessary to interact with children in ways that encourage them to communicate their thoughts and feelings to other people.  <i>Prerequisite: Eligibility for ENG 51</i>            CSU, Associate Degree Applicable</p>
<p>ECE 65C            ½ Unit            Lecture: .25 hour            Laboratory: .75 hour</p>	<p>USING THE PRESCHOOL ENVIRONMENT TO ENCOURAGE COMMUNICATION            This course provides the <u>preschool</u> caregiver the skills necessary to interact with children in ways that encourage them to communicate their thoughts and feelings to other people.  <i>Prerequisite: Eligibility for ENG 51</i>            CSU, Associate Degree Applicable</p>
<p>ECE 66A            ½ Unit            Lecture: .25 hour            Laboratory: .75 hour</p>	<p>PROMOTING CREATIVITY IN INFANTS            This course provides the <u>infant</u> caregiver the necessary skills to use imagination techniques to interact with infants by providing activities that promote creative expression.  <i>Prerequisite: Eligibility for ENG 51</i>            CSU, Associate Degree Applicable</p>
<p>ECE 66B            ½ Unit            Lecture: .25 hour            Laboratory: .75 hour</p>	<p>PROMOTING CREATIVITY IN TODDLERS            This course provides the <u>toddler</u> caregiver the necessary skills to use imagination techniques to interact with toddlers by providing activities that promote creative expression.  <i>Prerequisite: Eligibility for ENG 51</i>            CSU, Associate Degree Applicable</p>
<p>ECE 66C            ½ Unit            Lecture: .25 hour            Laboratory: .75 hour</p>	<p>PROMOTING CREATIVITY IN PRESCHOOLERS            This course provides the <u>preschool</u> caregiver the necessary skills to use one's imagination and thinking skills techniques to interact with preschoolers by providing activities that promote creative expression.  <i>Prerequisite: Eligibility for ENG 51</i>            CSU, Associate Degree Applicable</p>
<p>ECE 67A            ½ Unit            Lecture: .25 hour            Laboratory: .75 hour</p>	<p>BUILDING INFANT'S SELF-ESTEEM            This course provides the <u>infant</u> caregiver the necessary skills to build a positive relationship with each child and to help children understand and appreciate their self worth and to feel successful and competent.  <i>Prerequisite: Eligibility for ENG 51</i>            CSU, Associate Degree Applicable</p>
<p>ECE 67B            ½ Unit            Lecture: .25 hour            Laboratory: .75 hour</p>	<p>BUILDING TODDLER'S SELF-ESTEEM            This course provides the <u>toddler</u> caregiver the necessary skills to build a positive relationship with each child and to help children understand and appreciate their self worth and to feel successful and competent.  <i>Prerequisite: Eligibility for ENG 51</i>            CSU, Associate Degree Applicable</p>
<p>ECE 67C            ½ Unit            Lecture: .25 hour            Laboratory: .75 hour</p>	<p>BUILDING PRESCHOOLER'S SELF-ESTEEM            This course provides the <u>preschool</u> caregiver the necessary skills to build a positive relationship with each child and to help children understand and appreciate their self worth and to feel successful and competent.  <i>Prerequisite: Eligibility for ENG 51</i>            CSU, Associate Degree Applicable</p>

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<p>ECE 68A            ½ Unit            Lecture: .25 hour            Laboratory: .75 hour</p>	<p><b>PROMOTING INFANT SOCIAL DEVELOPMENT</b>            This course provides the <u>infant</u> caregiver the necessary skills to understand and teach children to develop socially, learn to share, cooperate, take turns and negotiate with other children and adults, and enjoy people in their lives.  <i>Prerequisite: Eligibility for ENG 51</i>            CSU, Associate Degree Applicable</p>
<p>ECE 68B            ½ Unit            Lecture: .25 hour            Laboratory: .75 hour</p>	<p><b>PROMOTING TODDLER SOCIAL DEVELOPMENT</b>            This course provides the <u>toddler</u> caregiver the necessary skills to understand and teach children to develop socially, learn to share, cooperate, take turns and negotiate with other children and adults, and enjoy people in their lives.  <i>Prerequisite: Eligibility for ENG 51</i>            CSU, Associate Degree Applicable</p>
<p>ECE 68C            ½ Unit            Lecture: .25 hour            Laboratory: .75 hour</p>	<p><b>PROMOTING PRESCHOOL SOCIAL DEVELOPMENT</b>            This course provides the <u>preschool</u> caregiver the necessary skills to understand and teach children to develop socially, learn to share, cooperate, take turns and negotiate with other children and adults, and enjoy people in their lives.  <i>Prerequisite: Eligibility for ENG 51</i>            CSU, Associate Degree Applicable</p>
<p>ECE 69A            ½ Unit            Lecture: .25 hour            Laboratory: .75 hour</p>	<p><b>PROVIDING POSITIVE GUIDANCE TO INFANTS</b>            This course provides the <u>infant</u> caregiver the skills necessary to encourage self-discipline, to use positive methods to guide and help children to express their feelings in an acceptable manner.  <i>Prerequisite: Eligibility for ENG 51</i>            CSU, Associate Degree Applicable</p>
<p>ECE 69B            ½ Unit            Lecture: .25 hour            Laboratory: .75 hour</p>	<p><b>PROVIDING POSITIVE GUIDANCE TO TODDLERS</b>            This course provides the <u>toddler</u> caregiver the skills necessary to encourage self-discipline, to use positive methods to guide and help children to express their feelings in an acceptable manner.  <i>Prerequisite: Eligibility for ENG 51</i>            CSU, Associate Degree Applicable</p>
<p>ECE 69C            ½ Unit            Lecture: .25 hour            Laboratory: .75 hour</p>	<p><b>PROVIDING POSITIVE GUIDANCE TO PRESCHOOLERS</b>            This course provides the <u>preschool</u> caregiver the skills necessary to encourage self-discipline, to use positive methods to guide and help children to express their feelings in an acceptable manner.  <i>Prerequisite: Eligibility for ENG 51</i>            CSU, Associate Degree Applicable</p>
<p>ECE 71            ½ Unit            Lecture: .25 hour            Laboratory: .75 hour</p>	<p><b>WORKING WITH FAMILIES</b>            This course provides the caregiver who works with families the necessary information and skill to: communicate, encourage parental participation at the child care center, and help families respond appropriately to their child's behavior.  <i>Prerequisite: Eligibility for ENG 51</i>            CSU, Associate Degree Applicable</p>
<p>ECE 72            ½ Unit            Lecture: .25 hour            Laboratory: .75 hour</p>	<p><b>BEING A CLASSROOM MANAGER</b>            This course provides the caregiver the skill to use a systematic approach to managing the child's development program as it pertains to the classroom setting.  <i>Prerequisite: Eligibility for ENG 51</i>            CSU, Associate Degree Applicable</p>

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<p>ECE 73          ½ Unit          Lecture: .25 hour          Laboratory: .75 hour</p>	<p><b>MAINTAINING A COMMITMENT TO PROFESSIONALISM IN THE CLASSROOM</b>          This course provides child caregivers an understanding of the importance of professionalism in child care and that each caregiver is a member of a team that provides an important service.  <i>Prerequisite: Eligibility for ENG 51</i>          CSU, Associate Degree Applicable</p>
<b>HUMAN SERVICES ALCOHOL/DRUG</b>	
<p>HSAD 1          3 Units          Lecture: 3 hours</p>	<p><b>INTRODUCTION TO ALCOHOL/DRUG STUDIES</b>          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.  <i>Prerequisite: Eligibility for ENG 51</i>          CSU, Associate Degree Applicable</p>
<p>HSAD 4          2 Units          Lecture: 2 hours</p>	<p><b>PERSONAL AND PROFESSIONAL GROWTH</b>          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.  <i>Prerequisite: Eligibility for ENG 51</i>          CSU, Associate Degree Applicable</p>
<p>HSAD 20          3 Units          Lecture: 3 hours</p>	<p><b>BIOMEDICAL-PHARMACOLOGY</b>          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.  <i>Prerequisite: HSAD 1</i>          CSU, Associate Degree Applicable</p>
<p>HSAD 22          3 Units          Lecture: 3 hours</p>	<p><b>CASE MANAGEMENT</b>          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.  <i>Prerequisite: HSAD 1</i>          CSU, Associate Degree Applicable</p>
<p>HSAD 24          3 Units          Lecture: 3 hours</p>	<p><b>LAW/ETHICS: COMMUNITY RESPONSES</b>          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.  <i>Prerequisite: HSAD 1</i>          CSU, Associate Degree Applicable</p>

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HSAD 30 3 Units Lecture: 3 hours	<b>INDIVIDUAL, GROUP AND FAMILY COUNSELING</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, Associate Degree Applicable
HSAD 32A 2 Units Lecture: 2 hours	<b>ALCOHOL/DRUG: SUPERVISED PRACTICUM I</b> 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. <i>Prerequisite: 6 HSAD/HSC core courses; concurrent enrollment in HSAD 33A</i> CSU, Associate Degree Applicable
HSAD 32B 2 Units Lecture: 2 hours	<b>ALCOHOL/DRUG: SUPERVISED PRACTICUM II</b> This course concludes the work begun in Supervised Practicum I (HSAD 32A). This is a required course for the Alcohol/Drug Studies Certificate. <i>Prerequisite: 6 HSAD/HSC core courses; concurrent enrollment in HSAD 33B</i> CSU, Associate Degree Applicable
HSAD 33A 3 Units Weekly: 9 hours	<b>ALCOHOL/DRUG: SUPERVISED INTERNSHIP I</b> 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. <i>Prerequisite: 6 HSAD/HSC core courses; concurrent enrollment in HSAD 32A</i> CSU, Associate Degree Applicable
HSAD 33B 3 Units Weekly: 9 hours	<b>ALCOHOL/DRUG: SUPERVISED INTERNSHIP II</b> This course concludes the field work begun in Supervised Internship I (HSAD 33A). This is a required course for the Alcohol/Drug Studies Certificate. <i>Prerequisite: 6 HSAD/HSC core courses; concurrent enrollment in HSAD 32B</i> CSU, Associate Degree Applicable
HSAD 34 2 Units Lecture: 2 hours	<b>DUAL DIAGNOSIS</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, Associate Degree Applicable

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## HUMAN SERVICES COUNSELING

### HSC 2

3 Units

Lecture: 3 hours

### INTRODUCTION TO HUMAN SERVICES COUNSELING

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: Eligibility for ENG 51*

CSU, Associate Degree Applicable

## HUMANITIES

### HUM 1

3 Units

Lecture: 3 hours

### CRITICAL ANALYSIS

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.

*Prerequisite: Eligibility for ENG 1A*

CSU, UC, Associate Degree Applicable

### HUM 5 A,B

3 Units

Lecture: 3 hours

### HUMANITY AND THE ENVIRONMENT

Students in this course examine issues affecting the natural and cultural environment at local and global levels. This course is a two semester sequence with emphasis on the natural environment in 5A and on the cultural environment in 5B. Selected topics are examined 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 social and environmental problems as they occur in community settings.

*Prerequisite: Eligibility for ENG 1A*

CSU, Associate Degree Applicable

### HUM 18

3 Units

Lecture: 3 hours

### INTRODUCTION TO ART AND MUSIC

This course is an investigation of elements and ideas that are common to both disciplines. Comparative studies of organizational factors, styles, and major movements will be made.

CSU, UC, Associate Degree Applicable

## MATHEMATICS

### MATH 1A

5 Units

Lecture: 5 hours

### CALCULUS WITH ANALYTIC GEOMETRY (CAN MATH 18)

This course includes a brief review of algebraic functions and coordinate geometry along with limits, derivatives, and differentials of algebraic, rational trigonometric functions. Additional topics will include applications of the derivative, the indefinite integral and an introduction to the definite integral.

*Prerequisite: Eligibility for ENG 51 and 4 years of high school mathematics including Trigonometry and Geometry with a grade of B or better in 4th year or equivalent; or MATH 12 or MATH 10 and MATH 5*

CSU, UC, Associate Degree Applicable

### MATH 1B

5 Units

Lecture: 5 hours

### CALCULUS WITH ANALYTIC GEOMETRY (CAN MATH 20)

This course includes the definite integral: areas, volumes, moments, applications to physics, transcendental functions, techniques of integration, improper integrals, conic sections, hyperbolic functions, polar coordinates, vectors and parametric equations.

*Prerequisite: MATH 1A with a grade of C or better or equivalent*

CSU, UC, Associate Degree Applicable

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<p>MATH 2A 5 Units Lecture: 5 hours</p>	<p>CALCULUS WITH ANALYTIC GEOMETRY (CAN MATH 22) This course includes solid analytic geometry, vector algebra in 3 dimensions, partial derivatives, line integrals, multiple integrals, vector field theory, functions defined by integrals and infinite series. <i>Prerequisite: MATH 1A and MATH 1B with a grade of C or better or equivalent</i> CSU, UC, Associate Degree Applicable</p>
<p>MATH 2B 4 Units Lecture: 4 hours</p>	<p>LINEAR ALGEBRA This course is a standard introductory course in linear algebra. Topics will include vectors in <math>R^n</math>, matrices and systems of linear equations, determinants, vector spaces, linear independence, linear transformations, eigenvalues, eigenvectors, and diagonalization of certain quadratic forms. <i>Prerequisite: MATH 1B with a grade of C or better</i> CSU, UC, Associate Degree Applicable</p>
<p>MATH 2C 4 Units Lecture: 4 hours</p>	<p>ORDINARY DIFFERENTIAL EQUATIONS 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. <i>Prerequisite: MATH 1B with minimum grade of C</i> CSU, UC, Associate Degree Applicable</p>
<p>MATH 5 3 Units Lecture: 3 hours</p>	<p>TRIGONOMETRY 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. <i>Prerequisite: MATH 30 (formerly MATH 52) and MATH 40 (formerly MATH 9) with a grade of C or better and second year algebra in high school within the past three years</i> CSU, Associate Degree Applicable</p>
<p>MATH 6 3 Units Lecture: 3 hours</p>	<p>CALCULUS FOR ENGINEERING TECHNOLOGY This is an introductory course in calculus for the engineering technologist. The calculus is treated as a tool useful in engineering practice. Rigorous and general proofs are avoided when possible and an exhaustive treatment of the exceptional case is omitted. <i>Prerequisite: MATH 5, MATH 10</i> CSU, UC, Associate Degree Applicable</p>
<p>MATH 10 4 Units Lecture: 4 hours</p>	<p>COLLEGE ALGEBRA 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. <i>Prerequisite: MATH 40 (formerly MATH 9) and MATH 30 (formerly MATH 52) with a grade of C or better; or Algebra I and II and Geometry in high school or equivalent</i> CSU, UC, Associate Degree Applicable</p>
<p>MATH 12 5 Units Lecture: 5 hours</p>	<p>PRE-CALCULUS ANALYSIS 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. <i>Prerequisite: MATH 40 (formerly MATH 9) and MATH 30 (formerly MATH 52) with a grade of C or better; or four years of high school math including second year Algebra and one year of Geometry with a grade of C or better</i> CSU, UC, Associate Degree Applicable</p>

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<b>MATH 13</b> 4 Units Lecture: 4 hours	<b>LIBERAL ARTS MATHEMATICS</b> 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. <i>Prerequisite: MATH 40 (formerly MATH 9) with a grade of "C" or better or equivalent; eligibility for ENG 1A</i> CSU, Associate Degree Applicable
<b>MATH 14</b> 4 Units Lecture: 4 hours	<b>STATISTICAL METHODS</b> 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. <i>Prerequisite: MATH 40 (formerly MATH 9) with a grade of "C" or better; ENG 51</i> CSU, UC, Associate Degree Applicable
<b>MATH 20</b> 3 Units Lecture: 3 hours	<b>MATHEMATICS FOR BUSINESS ANALYSIS</b> This course includes compound statements, probability theory, vectors, and matrices with applications to Markov chains; linear programming, theory of games, and finite difference. <i>Prerequisite: MATH 40</i> CSU, UC, Associate Degree Applicable
<b>MATH 30</b> 3 Units Lecture: 3 hours	<b>PLANE GEOMETRY</b> This course includes fundamentals of plane geometry, including topics in solid and coordinate geometry, developed by both inductive and deductive processes. <i>Prerequisites: MATH 50 or one year high school Algebra</i> Associate Degree Applicable
<b>MATH 40</b> 4 Units Lecture: 4 hours	<b>INTERMEDIATE ALGEBRA</b> 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. <i>Prerequisite: MATH 50 or one year high school Algebra with a grade of "C" or better within last 3 years or equivalent</i> Associate Degree Applicable
<b>MATH 50</b> 4 Units Lecture: 4 hours	<b>ELEMENTARY ALGEBRA</b> 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. <i>Prerequisite: MATH 57 with a grade of "C" or better or equivalent</i>
<b>MATH 56</b> 2 Units Lecture: 2 hours	<b>INTRODUCTORY TECHNICAL MATHEMATICS FOR ELECTRONICS</b> 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. <i>Prerequisite: Eligibility for MATH 50 and RDG 51</i> Associate Degree Applicable

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<p>Math 57 3 Units Lecture: 3 hours</p>	<p><b>COLLEGE ARITHMETIC</b> This course is designed to give students an understanding of and a 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, percents, signed numbers, metric system, and basic algebra problem solving.</p>
<b>MUSIC</b>	
<p>MUS 1A-D 3 Units Lecture: 3 hours Laboratory: 2 hours</p>	<p><b>MUSICIANSHIP</b> 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</p>
<p>MUS 2A-D 3 Units Lecture: 3 hours</p>	<p><b>HARMONY</b> 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. <i>Prerequisite: Concurrent enrollment in MUS 1A-D</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 3A,B 3 Units Lecture: 3 hours</p>	<p><b>HISTORY AND LITERATURE OF MUSIC</b> This course is designed for the music major who has completed one year of Music Theory. A chronological study of history and literature from the earliest times to the present day will be studied. Representative readings and papers will be required. <i>Prerequisite: MUS 1A,B; MUS 2A,B</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 4 3 Units Lecture: 3 hours</p>	<p><b>COUNTERPOINT</b> Writing of tonal counterpoint is the goal of this course. The student will complete original examples of 2- and 3-part counterpoint. Analytical work includes the study of contrapuntal music of various stylistic periods. <i>Prerequisite: MUS 1A,B, 2A,B</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 10 3 Units Lecture: 3 hours</p>	<p><b>INTRODUCTION TO MUSIC</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 11A,B 3 Units Lecture: 3 hours</p>	<p><b>SURVEY OF MUSIC LITERATURE</b> This course is designed for the music major. It is comprised of a study of representative musical master works and their background. In conjunction with material being studied, students will be required to attend designated concerts. <i>Prerequisite: Eligibility for ENG 51; MUS 11B-MUS 11A with a grade of C or better</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 12 3 Units Lecture: 3 hours</p>	<p><b>FUNDAMENTALS OF MUSIC</b> 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. CSU, UC, Associate Degree Applicable</p>

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<p>MUS 14A-D 2 Units Lecture: 2 hours</p>	<p><b>SURVEY OF OPERA</b> 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</p>
<p>MUS 15 2 Units Lecture: 2 hours</p>	<p><b>INTRODUCTION TO MUSIC THEORY</b> 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. <i>Prerequisite: MUS 12 or equivalent</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 21A-D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>CLASS PIANO</b> This course includes fundamentals of piano technique, tone production, rhythm, sight reading, interpretation and keyboard facility. It is open to beginners or advanced students, placed in the appropriate course according to ability. CSU, UC, Associate Degree Applicable</p>
<p>MUS 22A-D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>CLASS VOICE</b> 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</p>
<p>MUS 23A-D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>STRINGED INSTRUMENTS</b> This course combines class and laboratory study of orchestral stringed instruments. It is designed for those who expect to teach in the public schools. Basic techniques will be studied for violin, viola, cello and string bass. CSU, UC, Associate Degree Applicable</p>
<p>MUS 24A-D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>BRASS AND WOODWIND INSTRUMENTS</b> This course includes class and laboratory study of orchestral wind instruments. It is designed for those who expect to teach in the public schools. Basic technique on trumpet, French horn, tuba, clarinet, oboe, bassoon, flute, and saxophone will be studied. <i>Prerequisite: Basic knowledge of music (treble and bass clef, notation, key signatures)</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 25A-D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>CLASS PERCUSSION</b> 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</p>
<p>MUS 28A-D 1 Unit Lecture: .5 hour Laboratory: 1.5 hours</p>	<p><b>PIANO ENSEMBLE</b> This course provides ensemble training for pianists. Public performance in a student recital is required each semester. Repertoire includes literature from all periods written for two pianos, one piano-four hands, two pianos-eight hands, and piano concertos. <i>Prerequisite: Approval of instructor</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 31A-D 1 Unit 4 hours rehearsal each week</p>	<p><b>COLLEGE ORCHESTRA</b> This course comprises the study and performance of concert orchestra literature. Participation in public performances is required. <i>Prerequisite: Ability to play an orchestral instrument at medium to advanced level as determined by the conductor</i> CSU, UC, Associate Degree Applicable</p>

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<p>MUS 32A-D 1 Unit 3 hours rehearsal each week</p>	<p><b>COLLEGE CHORUS</b> 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 will be required each week, as well as attendance at 12 on-campus concerts. CSU, UC, Associate Degree Applicable</p>
<p>MUS 33A-D 1 Unit 4 hours rehearsal each week</p>	<p><b>SYMPHONIC BAND</b> 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. <i>Prerequisite: Permission of instructor by audition</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 34A-D 1 Unit 4 hours rehearsal each week</p>	<p><b>VOCAL ENSEMBLE</b> This course is the study and performance of music literature for small vocal ensembles; rehearsals and public performances are required. <i>Prerequisite: Vocal reading ability</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 35A-D 1 Unit 4 hours rehearsal each week</p>	<p><b>INSTRUMENTAL CHAMBER ENSEMBLE</b> This course involves the development of musicianship through the organization of various chamber music groups to study and perform the representative works in music literature. Four hours rehearsal is required each week, as well as preparation of recitals. <i>Prerequisite: Consent of instructor</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 36A-D 2 Units Laboratory: 6 hours</p>	<p><b>OPERA WORKSHOP</b> This course is the study of musical, dramatic, and language techniques in opera through the performance of representative scenes and acts or participation in collegiate performances. Extra rehearsals and public performances are required. <i>Prerequisite: Must take course in sequence</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 37A-D 1 Unit 4 hours rehearsal each week</p>	<p><b>CHAMBER MUSIC</b> This course involves the development of musicianship through the performance of music of various periods and styles. Public performance required. <i>Prerequisite: Ability to perform on one or more instruments</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 38A-D 1 Unit Laboratory: 3 hours</p>	<p><b>GUITAR ENSEMBLE</b> The course requires three hours of laboratory per week. The student will acquire experience in performing music for multiple guitars, both original music as well as transcriptions; working under a conductor in an ensemble situation; interpretation and performance practices in music for the classical guitar. It is open to persons with a background in classical techniques on guitar. <i>Prerequisite: Concurrent enrollment in Guitar Performance</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 39A-D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>CLASS GUITAR</b> 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</p>

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<p>MUS 41A-D- 48A-D 2 Units Lecture: 2 hours Laboratory: .5 hour</p>	<p><b>MUSIC PERFORMANCE</b> These courses are designed to provide training for instrumentalists and vocalists. Public performance in student recital each semester is required. Repertoire will include literature from all periods. Jury examination at the end of the semester by music staff of College of the Desert. 41 Piano 42 Strings 43 Woodwinds 44 Brasses 45 Percussion 46 Organ 47 Voice 48 Guitar <i>Prerequisite: Audition; concurrent enrollment in MUS 99</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 50 2 Units Lecture: 2 hours</p>	<p><b>PIANO PEDAGOGY</b> This course is designed to teach the educational psychology for teaching piano, including methods and materials (recommended for all students whose future plans include some piano teaching); includes some observation and supervised teaching of children in private and class lessons. (Open to beginners and advanced students.) CSU, Associate Degree Applicable</p>
<p>MUS 51A-D 2 Units Lecture: 2 hours</p>	<p><b>ARRANGING</b> This course involves scoring for all types of vocal and instrumental groups. <i>Prerequisite: Basic knowledge of harmony and consent of instructor</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 55 3 Units Lecture: 1 hour Laboratory: 6 hours</p>	<p><b>SINGERS DICTION</b> This course is designed to enable the singer to acquire the necessary skills for utilization in vowel and consonant formation. These skills will be applied to the languages of: (1) English, (2) Latin, (3) German, (4) French, (5) Italian and emphasis will be on pronunciation through the International Phonetic Alphabet. Concurrent enrollment in one of the above languages is recommended but not required. <i>Prerequisite: Enrollment in MUS 47A-D, or have completed some private instruction in voice</i> CSU, Associate Degree Applicable</p>
<p>MUS 59A-D 2 Units Lecture: 1 hour Laboratory: 3 hours</p>	<p><b>INTERMEDIATE STRINGED INSTRUMENTS</b> This course is designed for those who have completed Stringed Instruments (MUS 23A-D) or who have had from one to two years string instruction. It is designed to advance the students playing ability between Beginning Strings and Music Performance, to prepare the student for more advanced level performance in both solo and group playing. <i>Prerequisite: Successful completion of MUS 23A-D or equivalent</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 61A-D 2 Units Lecture: 2 hours Laboratory: 2 hours</p>	<p><b>ACCOMPANYING (Piano)</b> This course involves the study and performance of piano accompaniment for instrumentalists, vocalists, and ensembles. Participation in rehearsals, recitals, juries, and concerts is required. <i>Prerequisite: Audition or consent of instructor</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 62A-D 1 Unit Laboratory: 4 hours</p>	<p><b>PERCUSSION ENSEMBLE</b> In this course the student will study and perform literature originally written for any grouping of percussion instruments. <i>Prerequisite: Audition or approval of instructor</i> CSU, UC, Associate Degree Applicable</p>

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<p>MUS 63A,B 3 Units Lecture: 3 hours</p>	<p><b>JAZZ HARMONY &amp; IMPROVISATION</b> The method of teaching harmony in this course will be unique to the idiom of Jazz oriented music and will assist instrumentalists in improving their solo playing. Subject matter will include scale construction, identification and inversion of intervals, analysis construction and execution of chord progressions. <i>Prerequisite: Ability to play a musical instrument; improvisational skills desirable</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 70A,B 2 Units Lecture: 2 hours</p>	<p><b>INTRODUCTION TO COMMERCIAL MUSIC</b> This course is an introduction to the career opportunities related to music. Participants explore the many varied options available to the person interested in earning a living in some aspect of the music field. It consists of lectures, discussions, guest professional lecturers, field trips, readings and observation. Associate Degree Applicable</p>
<p>MUS 71A-D 1 Unit 4 hours rehearsal each week</p>	<p><b>JAZZ ENSEMBLE</b> 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. <i>Prerequisite: Permission of instructor by audition</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 72A-D 2 Units Lecture: 1 hour Laboratory: 4 hours</p>	<p><b>CELEBRATION - PRODUCTION</b> This course comprises the study and performance of an original musical show to be presented in public performance. Members of this group will assist in the development and implementation of show ideas and all necessary activities related to producing each show. <i>Prerequisite: Required/concurrent enrollment in MUS 73A-D and MUS 74A-D; acceptance by audition or approval of instructor</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 73A-D 2 Units Lecture: 1 hour Laboratory: 4 hours</p>	<p><b>CELEBRATION - CHOREOGRAPHY</b> This course comprises the study and performance of various dancing techniques and choreography related to public performance. Public performance is required. <i>Prerequisite: Concurrent enrollment in MUS 72A-D and MUS 74A-D; acceptance by audition or approval of instructor</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 74A-D 2 Units Lecture: 1 hour Laboratory: 4 hours</p>	<p><b>CELEBRATION - VOCAL</b> This course comprises the study and performance of vocal techniques and arrangements written specifically for an original show. Public performance is required. <i>Prerequisite: Concurrent enrollment in MUS 72A-D and MUS 73A-D; acceptance by audition or approval of instructor</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 75A-D 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>RECORDING TECHNIQUES</b> 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. <i>Prerequisite: Approval of instructor through audition</i> CSU, Associate Degree Applicable</p>

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<p>MUS 78A-D 2 Units Lecture: 2 hours Laboratory: 1 hour</p>	<p><b>COMPUTERS AND MUSIC</b> 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. <i>Prerequisite: Background in music and basic knowledge of keyboard desirable</i> CSU, Associate Degree Applicable</p>
<p>MUS 81A-D 2 Units Lecture: 2 hours</p>	<p><b>MUSIC PERFORMANCE - PIANO</b> This course provides training for pianists; consideration upon technical and musical proficiency; repertoire to include literature from all periods. <i>Prerequisite: Basic fundamentals of technique and instructor approval</i> CSU, UC, Associate Degree Applicable</p>
<p>MUS 82A-D 2 Units Lecture: 2 hours</p>	<p><b>MUSIC PERFORMANCE - STRINGS</b> This course is designed for those students wishing to continue education on violin, viola, violoncello, or string bass. Students are encouraged to play for the class, either as soloist or in ensembles. A half-hour lab is also scheduled for each student with the instructor to work on individual problems and develop individual repertoire. <i>Prerequisite: Completion of MUS 59 or equivalent</i> UC, Associate Degree Applicable</p>
<p>MUS 83A-D 2 Units Lecture: 2 hours</p>	<p><b>MUSIC PERFORMANCE - WOODWINDS</b> This course is designed to provide training for woodwind instrumentalists with emphasis upon performance. Repertoire will be selected for technical proficiency from the wealth of woodwind literature of all periods. <i>Prerequisite: Suitable knowledge of and ability on a woodwind instrument</i> UC, Associate Degree Applicable</p>
<p>MUS 84A-D 2 Units Lecture: 2 hours</p>	<p><b>MUSIC PERFORMANCE - BRASSES</b> This course is designed to provide training for brass instrumentalists with emphasis upon performance. Repertoire will be selected for technical proficiency from the wealth of brass literature of all periods. <i>Prerequisite: Suitable knowledge of and ability on a brass instrument</i> UC, Associate Degree Applicable</p>
<p>MUS 85A-D 2 Units Lecture: 2 hours</p>	<p><b>MUSIC PERFORMANCE - PERCUSSION</b> This course is designed to provide training for percussion instrumentalists with emphasis upon performance. Repertoire will be selected for technical proficiency from the wealth of percussion literature of all periods. <i>Prerequisite: Suitable knowledge of and ability on a percussion instrument</i> UC, Associate Degree Applicable</p>
<p>MUS 86A-D 2 Units Lecture: 2 hours</p>	<p><b>MUSIC PERFORMANCE - ORGAN</b> This course includes knowledge of basic organ registration. It also includes the study of organ techniques and literature chosen from four centuries of repertoire for the instrument. Public performance is encouraged but not required. UC, Associate Degree Applicable</p>
<p>MUS 87A-D 2 Units Lecture: 2 hours</p>	<p><b>MUSIC PERFORMANCE - VOICE</b> This course is designed to provide training for students interested in developing a background and understanding of the art of singing. Public performance is encouraged each semester. Repertoire will include literature that suits the vocal needs and capabilities of each student. UC, Associate Degree Applicable</p>

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<p>MUS 88A-D 2 Units Lecture: 2 hours</p>	<p><b>MUSIC PERFORMANCE - GUITAR</b> This course is designed to provide training for guitar instrumentalists with emphasis upon performance. Repertoire will be selected for technical proficiency from the wealth of guitar literature of all periods. <i>Prerequisite: Suitable knowledge of and ability on a guitar</i> UC, Associate Degree Applicable</p>
<p>MUS 89A-D 1 Unit Laboratory: 3 hours</p>	<p><b>STAGE BAND</b> This course is designed as a popular, modern music performing group for a variety of school and community related activities and functions. <i>Prerequisite: Ability to perform level III - IV swing music</i> UC, Associate Degree Applicable</p>
<p>MUS 90A-D 1 Unit Laboratory: 3 hours</p>	<p><b>WIND ENSEMBLE</b> This course provides in-depth instruction in wind instrument techniques and small group performance. Unlike the Symphonic Band at large, it will deal primarily with dynamics of musical expression for woodwind, brass and percussion instruments. <i>Prerequisite: Ability to perform level III and IV musical selections</i> UC, Associate Degree Applicable</p>
<p>MUS 97A-D 2 Units Lecture: 2 hours</p>	<p><b>VOCAL PERFORMANCE SEMINAR</b> This course is designed to provide advanced instruction in stage performance techniques for vocalists. Repertoire will be selected from legitimate musical theatre, classical song literature, opera, and oratorio. Students are required to perform in class and in a final recital. <i>Prerequisite: Completion of MUS 87A-D; concurrent enrollment in private study</i> UC, Associate Degree Applicable</p>
<p>MUS 99 1 Unit Lecture: 1 hour</p>	<p><b>RECITAL ATTENDANCE</b> This course provides those students registered in Music Performance with an opportunity to perform each semester in a formal recital atmosphere. The students will also observe and evaluate the problems involved in modern musical performance. Attendance of five on-campus concerts is required. <i>Prerequisite: Concurrent enrollment in MUS 41A-D through 48A-D</i> CSU, Associate Degree Applicable</p>

## SCIENCES-BIOLOGICAL, CHEMICAL AND PHYSICAL

### ASTRONOMY

<p>A 1 3 Units Lecture: 3 hours</p>	<p><b>DESCRIPTIVE ASTRONOMY</b> 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. <i>Prerequisite: Eligibility for ENG 51 and MATH 50</i> CSU, UC, Associate Degree Applicable</p>
<p>A 1L 1 Unit Laboratory: 3 hours</p>	<p><b>DESCRIPTIVE ASTRONOMY LABORATORY</b> 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. <i>Prerequisite: Eligibility for ENG 51 and MATH 50, prior or concurrent enrollment in A1</i> CSU, UC, Associate Degree Applicable</p>

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<p>A 51 1 Unit Lecture: 1 hour</p>	<p><b>INTRODUCTION TO ASTRONOMY</b> 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. <i>Prerequisite: Eligibility for ENG 51 and MATH 50</i> CSU, Associate Degree Applicable</p>
<b>BIOLOGY</b>	
<p>BI 1A 5 Units Lecture: 4 hours Laboratory: 3 hours</p>	<p><b>GENERAL BIOLOGY - PRINCIPLES</b> 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. <i>Prerequisite: A full year of high school Biology or BI 4 and 4L, and eligibility for ENG 1A and MATH 50</i> CSU, UC, Associate Degree Applicable</p>
<p>BI 1B 5 Units Lecture: 3 hours Laboratory: 6 hours</p>	<p><b>GENERAL BIOLOGY - ZOOLOGY</b> This course emphasizes identification, classification, comparative morphology, physiology, behavior, ecology, adaptation and phylogenetic development of invertebrates and vertebrates. Laboratory experiments, dissections and identifications give practical study. Note: This course is required of science, pre-professional and all other majors requiring a strong foundation in biology, and partially meets the requirement of students needing one year of biology. It also meets the Biological Science General Education requirement. <i>Prerequisite: A grade of C or better in a college level biology course with laboratory, or eligibility for ENG 1A</i> CSU, UC, Associate Degree Applicable</p>
<p>BI 1C 5 Units Lecture: 4 hours Laboratory: 3 hours</p>	<p><b>GENERAL BIOLOGY - BOTANY</b> 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. <i>Prerequisite: Eligibility for ENG 51 and MATH 50</i> CSU, UC, Associate Degree Applicable</p>
<p>BI 4 3 Units Lecture: 3 hours</p>	<p><b>ELEMENTS OF BIOLOGY</b> This course acquaints students with the fundamental concepts and principles of biology, including background information on the basic physical sciences. Note: This course is offered for those individuals with little or no background in the biological sciences. It may also be taken as a refresher course for those students who wish to pursue subsequent biology courses. This course does not meet the requirements for biological science majors. BI 4 and BI 4L meet the Biological Science General Education requirement. <i>Prerequisite: Eligibility for ENG 51 and MATH 50</i> CSU, UC, Associate Degree Applicable</p>

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<p>BI 4L 1 Unit Laboratory: 3 hours</p>	<p><b>ELEMENTS OF BIOLOGY LABORATORY</b> This course provides supplementary laboratory experience for those having taken, or taking BI 4, and emphasizes critical practical studies in biological principles. Note: When taken with BI 4, this course meets the Biological Science General Education requirements. BI 4 and BI 4L do not meet the Biological Sciences requirement for Science and Allied Health majors or those requiring one year of Biology. Such students must take BI 1A and either BI 1B or BI 1C. <i>Prerequisite: Concurrent or prior enrollment in BI 4</i> CSU, UC, Associate Degree Applicable</p>
<p>BI 15 5 Units Lecture: 4 hours Laboratory: 3 hours</p>	<p><b>GENERAL MICROBIOLOGY</b> This course is a comprehensive study of the microbial world. It is designed to develop an appreciation and an understanding of microorganisms and their relationship to man and his environment. A knowledge of the principles of microbiology and their practical applications is stressed. Subject matter includes: medical microbiology, microbial physiology, microbial genetics, water, and waste-water microbiology and industrial microbiology. The laboratory experience explores the development of current methods, techniques, and skills necessary to culture, propagate and identify microorganisms. <i>Prerequisite: CH 4 or equivalent with a grade of C or better; eligibility for ENG 51 and MATH 50; BI 1A is recommended</i> CSU, UC, Associate Degree Applicable</p>
<p>BI 21 3 Units Lecture: 3 hours</p>	<p><b>ELEMENTARY HUMAN ANATOMY AND PHYSIOLOGY</b> This course is an introduction to the structure and function of human body systems. Note: This course is designed primarily for LVN, and Medical Assisting students desiring a working knowledge of human form and function. BI 21 is not recommended for RN's, Respiratory Therapy or X-ray Technology, unless as a preparatory course preceding other Human Anatomy and Physiology courses. When taken with BI 21L, BI 21 satisfies the Biological Science General Education requirement. <i>Prerequisite: Eligibility for ENG 51 and MATH 50</i> CSU, UC, Associate Degree Applicable</p>
<p>BI 21L 1 Unit Laboratory: 3 hours</p>	<p><b>ELEMENTARY HUMAN ANATOMY AND PHYSIOLOGY LABORATORY</b> This laboratory course presents a practical approach to the structure and function of human body systems and complements BI 21. Note: This laboratory course is designed primarily for LVN and Medical Assisting students desiring a working knowledge of human form and function. BI 21L is not recommended for RN's or Respiratory Therapy. When taken with BI 21, BI 21L satisfies the Biological Science General Education requirement. <i>Prerequisite: Concurrent or prior enrollment in BI 21</i> CSU, UC, Associate Degree Applicable</p>
<p>BI 22 4 Units Lecture: 3 hours Laboratory: 3 hours</p>	<p><b>HUMAN ANATOMY</b> This course is a gross microscopic study of organ systems of the human body. Practical study of histology slides, skeletons, cadavers and/or non-human mammals is undertaken. Directed dissections are required. Note: This course is designed for Allied Health 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. <i>Prerequisite: Eligibility for ENG 51 and MATH 50</i> CSU, UC, Associate Degree Applicable</p>

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BI 23  
5 Units  
Lecture: 4 hours  
Laboratory: 3 hours

#### HUMAN PHYSIOLOGY

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 Allied Health 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 and BI 1B sequence rather than BI 22 and BI 23.

*Prerequisite: CH 4 and BI 22*

CSU, UC, Associate Degree Applicable

### CHEMISTRY

CH 1A,B  
5 Units  
Lecture: 3 hours  
Laboratory: 6 hours

#### GENERAL CHEMISTRY (CAN CHEM SEQ A)

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: One year high school chemistry, or CH 3 or CH 4 with a grade of C or better; ENG 51 and MATH 40, CH 1A with a grade of C or better is required for CH 1B*

CSU, UC, Associate Degree Applicable

CH 3  
4 Units  
Lecture: 3 hours  
Laboratory: 3 hours

#### INTRODUCTORY GENERAL CHEMISTRY

This course is a study of the basic principles of inorganic chemistry for students who have not completed high school chemistry. Topics covered include an introduction to atomic theory and chemical calculations.

Note: This course satisfies the prerequisite for Ch 1A. It is designed for students seeking chemistry beyond this level or for General Education requirements.

*Prerequisite: Eligibility for ENG 51 and MATH 50*

CSU, UC, Associate Degree Applicable

CH 4  
4 Units  
Lecture: 3 hours  
Laboratory: 3 hours

#### FUNDAMENTALS OF CHEMISTRY

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: Eligibility for ENG 51 and MATH 50*

CSU, Associate Degree Applicable

CH 5  
4 Units  
Lecture: 3 hours  
Laboratory: 3 hours

#### BIO-ORGANIC CHEMISTRY

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 Allied Health students who are required to take one year of chemistry. As such, it is taken in sequence after CH 3 or CH 4.

*Prerequisite: ENG 51 and MATH 50; CH 1A, CH 1B, CH 3, or CH 4 with a grade of C or better*

CSU, UC, Associate Degree Applicable

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CH 10A,B  
5 Units  
Lecture: 3 hours  
Laboratory: 6 hours

#### ORGANIC CHEMISTRY

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: CH 10A - CH 1B; CH 10B - CH 10A*

CSU, UC, Associate Degree Applicable

#### GEOLOGY

G 1  
3 Units  
Lecture: 3 hours

#### PHYSICAL GEOLOGY (CAN GEOL 2 for G 1 and G 1L)

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: Eligibility for ENG 51 and MATH 50*

CSU, UC, Associate Degree Applicable

G 1L  
1 Unit  
Laboratory: 3 hours

#### PHYSICAL GEOLOGY LABORATORY (CAN GEOL 2 for G 1 and G 1L)

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.

*Prerequisite: Prior or concurrent enrollment in G 1*

CSU, UC, Associate Degree Applicable

G 2  
4 Units  
Lecture: 3 hours  
Laboratory: 3 hours

#### HISTORICAL GEOLOGY

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 with a grade of C or better*

CSU, UC, Associate Degree Applicable

G 3  
4 Units  
Lecture: 2 hours  
Laboratory: 6 hours

#### ELEMENTARY MINERALOGY

This course is a study of structure (crystallography), properties, associations, and origins of minerals. Blowpipe analysis and related chemical tests are used in addition to physical means for mineral identification. Offered alternate Spring semesters.

*Prerequisite: G1 or G10, with a grade of B or better and a course in chemistry (may be taken concurrently). HS chemistry may also be accepted*

CSU, UC, Associate Degree Applicable

G 5  
3 Units  
Lecture: 3 hours

#### ENVIRONMENTAL GEOLOGY

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: Eligibility for ENG 51 and MATH 50*

CSU, UC, Associate Degree Applicable



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- G 5L**  
1 Unit  
Laboratory: 3 hours
- ENVIRONMENTAL GEOLOGY LABORATORY**  
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.  
*Prerequisite: Previous or concurrent enrollment in Environmental Geology (G 5)*  
CSU, UC, Associate Degree Applicable
- G 10**  
3 Units  
Lecture: 3 hours
- EARTH SCIENCE**  
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: Eligibility for ENG 51 and MATH 50*  
CSU, UC, Associate Degree Applicable
- G 10L**  
1 Unit  
Laboratory: 3 hours
- EARTH SCIENCE LABORATORY**  
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.  
*Prerequisite: Prior or concurrent enrollment in G 10*  
CSU, UC, Associate Degree Applicable

## PHYSICS

- PH 1**  
4 Units  
Lecture: 3 hours  
Laboratory: 3 hours
- BASIC PHYSICS**  
This course is an introduction to basic physical concepts, theories, and principles with emphasis on their practical application to the health sciences. A minimum of mathematics is used in presenting the subject matter.  
Note: This course is designed for students in the health science fields, and for those students in general education who need to satisfy a laboratory requirement in the physical sciences.  
*Prerequisite: MATH 50 with a grade of C or better; eligibility for ENG 51*  
CSU, UC, Associate Degree Applicable
- PH 2A,B**  
4 Units  
Lecture: 3 hours  
Laboratory: 3 hours
- COLLEGE PHYSICS (CAN PHYS SEQ A)**  
This is the non-calculus physics course. Physics 2A covers mechanics, heat, and wave motion. Physics 2B covers electricity, magnetism, optics, and atomic and nuclear physics.  
Note: This course satisfies the physics requirement for pre-professional and biology students.  
*Prerequisite: Completion of MATH 40 with a grade of C or better; eligibility for ENG 51*  
CSU, UC, Associate Degree Applicable
- PH 4A,B**  
5 Units  
Lecture: 4 hours  
Laboratory: 3 hours
- ENGINEERING PHYSICS**  
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 with a grade of C or better; eligibility for ENG 51*  
CSU, UC, Associate Degree Applicable
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<p>PH 5 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p>COMPUTER PROGRAMMING I: FORTRAN FOR THE SCIENCES AND ENGINEERING This course is an introduction to the use of FORTRAN 77 for the solution of problems in the physical sciences and in engineering. Certain elementary techniques from numerical analysis are introduced. <i>Prerequisite: MATH 10 or MATH 12 with a grade of C or better; eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>
<p>PH 6 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p>COMPUTER PROGRAMMING II This course is an extension of Physics 5 with greater complexity of problems. <i>Prerequisite: PH 5</i> CSU, UC, Associate Degree Applicable</p>

## SOCIAL SCIENCES

### ANTHROPOLOGY

<p>Anth 1 3 Units Lecture: 3 hours</p>	<p>HUMAN EVOLUTION, INTRO TO PHYSICAL ANTHROPOLOGY (CAN ANTH 2) 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". <i>Prerequisite: Eligibility for Eng 51</i> CSU, UC, Associate Degree Applicable</p>
<p>ANTH 2 3 Units Lecture: 3 hours</p>	<p>CULTURAL ANTHROPOLOGY (CAN ANTH 4) 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>
<p>ANTH 3 3 Units Lecture: 3 hours</p>	<p>INTRODUCTION TO ARCHEOLOGY (CAN ANTH 6) 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>

### GEOGRAPHY

<p>GEOG 1 3 Units Lecture: 3 hours</p>	<p>PHYSICAL GEOGRAPHY (CAN GEOG 2) 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". <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>
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<p><b>GEOG 1L</b> 1 Unit Laboratory: 3 hours</p>	<p><b>PHYSICAL GEOGRAPHY LABORATORY</b> 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. <i>Prerequisite: Prior or concurrent enrollment in GEOG 1</i> CSU, UC, Associate Degree Applicable</p>
<p><b>GEOG 2</b> 3 Units Lecture: 3 hours</p>	<p><b>CULTURAL GEOGRAPHY (CAN GEOG 4)</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>
<p><b>GEOG 7</b> 3 Units Lecture: 3 hours</p>	<p><b>REGIONAL GEOGRAPHY</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>
<b>HISTORY</b>	
<p><b>HIST 1</b> 3 Units Lecture: 3 hours</p>	<p><b>HISTORY OF WESTERN CIVILIZATION (CAN HIST 2)</b> This course is a broad study of the major elements in the Western heritage from ancient times to the Renaissance. It is designed to develop the student's understanding of institutions basic to Western Civilization. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>
<p><b>HIST 2</b> 3 Units Lecture: 3 hours</p>	<p><b>HISTORY OF WESTERN CIVILIZATION (CAN HIST 4)</b> This course is a broad study of the major elements in the Western heritage from the Renaissance to the present. It is designed to develop the student's understanding of institutions basic to Western Civilization. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>
<p><b>HIST 17</b> 3 Units Lecture: 3 hours</p>	<p><b>U.S. HISTORY THROUGH RECONSTRUCTION (CAN HIST SEQ B for HIST 17 and 18)</b> This course is a survey of the political and social development of the United States from the discovery of America through the Reconstruction period. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>
<p><b>HIST 18</b> 3 Units Lecture: 3 hours</p>	<p><b>U.S. HISTORY FROM RECONSTRUCTION TO PRESENT (CAN HIST SEQ B for HIST 17 and 18)</b> This course is a survey of the political and social development of the United States from the Reconstruction Period to the present. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable</p>

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## PHILOSOPHY

PHIL 6  
3 Units  
Lecture: 3 hours

INTRODUCTION TO PHILOSOPHY (CAN PHIL 2)  
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: Eligibility for ENG 51*  
CSU, UC, Associate Degree Applicable

PHIL 7  
3 Units  
Lecture: 3 hours

INTRODUCTION TO PHILOSOPHY  
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: Eligibility for ENG 51*  
CSU, UC, Associate Degree Applicable

PHIL 8  
3 Units  
Lecture: 3 hours

PHILOSOPHY FROM ANCIENT TIMES TO RENAISSANCE  
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: Eligibility for ENG 51*  
CSU, UC, Associate Degree Applicable

PHIL 9  
3 Units  
Lecture: 3 hours

PHILOSOPHY FROM RENAISSANCE TO PRESENT  
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: Eligibility for ENG 51*  
CSU, UC, Associate Degree Applicable

PHIL 10  
3 Units  
Lecture: 3 hours

GENERAL LOGIC  
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; eligibility for MATH 50*  
CSU, UC, Associate Degree Applicable

PHIL 11  
3 Units  
Lecture: 3 hours

SYMBOLIC LOGIC  
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; eligibility for MATH 40*  
CSU, UC, Associate Degree Applicable

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PHIL 12  
3 Units  
Lecture: 3 hours

RELIGIONS OF THE WORLD

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: Eligibility for ENG 51*

CSU, UC, Associate Degree Applicable

PHIL 13  
3 Units  
Lecture: 3 hours

PERSPECTIVES ON DEATH AND DYING

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: Eligibility for ENG 51*

CSU, UC, Associate Degree Applicable

PHIL 14  
3 Units  
Lecture: 3 hours

INTRODUCTION TO ETHICS

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: Eligibility for ENG 51*

CSU, UC, Associate Degree Applicable

PHIL 15  
3 Units  
Lecture: 3 hours

LOGIC, ARGUMENTATION AND CRITICAL ANALYSIS

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: Completion of ENG 1A or 3A with a grade of C or better or equivalent*

CSU, UC, Associate Degree Applicable

**POLITICAL SCIENCE**

PS 1  
3 Units  
Lecture: 3 hours

INTRODUCTION TO GOVERNMENT

This course is an introduction to the principles, organization and politics of the national government of the United States, including a 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: Eligibility for ENG 51*

CSU, UC, Associate Degree Applicable

PS 2  
3 Units  
Lecture: 3 hours

INTRODUCTION TO COMPARATIVE GOVERNMENTS

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  
3 Units  
Lecture: 3 hours

INTRODUCTION TO INTERNATIONAL RELATIONS

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

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PS 55A-D  
2 Units  
Lecture: 2 hours

**PRINCIPLES OF STUDENT LEADERSHIP**  
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 DEGU 55A-D and SP 55A-D  
*Prerequisite: Eligibility for RDG 51 and ENG 51*  
CSU, Associate Degree Applicable

## PSYCHOLOGY

PSY 1  
3 Units  
Lecture: 3 hours

**GENERAL PSYCHOLOGY (CAN PSY 2)**  
This course is an introduction to facts, principles and theories governing animal and human behavior. Topics include the nervous system, developmental psychology, consciousness, psychotropic drugs, learning, motivation, emotion, abilities, personality, stress and abnormal psychology.  
*Prerequisite: Eligibility for ENG 51*  
CSU, UC, Associate Degree Applicable

PSY 3  
3 Units  
Lecture: 3 hours

**DEVELOPMENTAL PSYCHOLOGY**  
This is a life span course based 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 personal and professional implications of developmental psychology will be discussed. The implications for both personal development and professional practice will be considered.  
*Prerequisite: Eligibility for ENG 51*  
CSU, UC, Associate Degree Applicable

PSY 10  
3 Units  
Lecture: 3 hours

**PSYCHOLOGICAL ASPECTS OF MARRIAGE AND FAMILY**  
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 lifestyles and coping with stress.  
*Prerequisite: Eligibility for ENG 51*  
CSU, Associate Degree Applicable

PSY 12  
3 Units  
Lecture: 3 hours

**HUMAN SEXUALITY**  
Including both the behavioral and biological aspects of human sexuality, this course introduces the topic through the psychological approach. Further development includes physiological, social, legal, and religious issues as they may be of pressing interest to today's college students. The subjects discussed include values and ethics, gender roles, love and sex, sexual decisions, sexual techniques, sex therapy, contraception, abortion, AIDS and other venereal diseases, homosexuality, prostitution, rape, and sexual harassment.  
*Prerequisite: Eligibility for ENG 51; PSY 1*  
CSU, UC, Associate Degree Applicable

PSY 20  
3 Units  
Lecture: 3 hours

**ADOLESCENT PSYCHOLOGY: UNDERSTANDING AND AIDING YOUTH**  
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: Eligibility for ENG 51*  
CSU, Associate Degree Applicable

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PSY 33 3 Units Lecture: 3 hours	<b>PERSONAL AND SOCIAL ADJUSTMENT</b> This course examines the development of normal personality and places emphasis upon the practical 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. <i>Prerequisite: Eligibility for ENG 51; PSY 1 or equivalent</i> CSU, Associate Degree Applicable
<b>SOCIOLOGY</b>	
SOC 1 3 Units Lecture: 3 hours	<b>INTRODUCTORY SOCIOLOGY (CAN SOC 2)</b> This course is a survey of the characteristics of social life, the processes of social interaction, and the tools of sociological investigation. <i>Prerequisite: Eligibility for ENG 1A or ENG 3A or equivalent; and completion of RDG 51 with a grade of C or better or equivalent</i> CSU, UC, Associate Degree Applicable
SOC 2 3 Units Lecture: 3 hours	<b>SOCIOLOGICAL ANALYSIS SOCIAL PROBLEMS (CAN SOC 4)</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, UC, Associate Degree Applicable
SOC 3 3 Units Lecture: 3 hours	<b>FUNDAMENTALS OF STATISTICS</b> 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. <i>Prerequisite: Eligibility for ENG 1A or ENG 3A; MATH 40 with a grade of C or better</i> CSU, UC, Associate Degree Applicable
SOC 4 3 Units Lecture: 3 hours	<b>SOCIOLOGICAL ANALYSIS AND CRITICAL THINKING</b> 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. <i>Prerequisite: ENG 1A or ENG 3A and MATH 50 with a grade of C or better</i> CSU, UC, Associate Degree Applicable
SOC 10 3 Units Lecture: 3 hours	<b>MARRIAGE AND FAMILY-A SOCIOLOGICAL APPROACH</b> 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. <i>Prerequisite: Eligibility for ENG 51</i> CSU, Associate Degree Applicable

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SOC 14  
3 Units  
Lecture: 3 hours

### MINORITY GROUPS IN THE AMERICAS

This is a comparative study of Native American, Oriental, 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: Eligibility for ENG 51*  
CSU, UC, Associate Degree Applicable

## STUDENT DEVELOPMENT

STDV 49  
½ Unit  
Lecture: .5 hour

### CAREER CHANGERS WORKSHOP

This course is designed to assist students with the process of career decision making. The focus on self assessment and career information will provide students with an on-going system for implementation of career goals.

STDV 50  
1/5 Unit  
Lecture: .2 hour

### SKILL DEVELOPMENT AND EDUCATIONAL DECISION MAKING

This course provides students with information on and understanding of their abilities and skill development, enabling them to make insightful decisions.

STDV 51A  
2 Units  
Lecture: 2 hours

### PEER COUNSELING TECHNIQUES

This is a course for students who wish to develop effective techniques for counseling their peers; to gain accurate and more extensive knowledge of the opportunities available to COD students; and become informed of the referral resources and procedures for guiding peers toward additional counseling and advising.

CSU, Associate Degree Applicable

STDV 52  
2 Units  
Lecture: 2 hours

### RE-ENTRY ORIENTATION

This course is designed for the student returning to school after an absence. Lecture and group discussion will emphasize personal growth, positive attitudes, and skills needed to make a smooth transition to the community college.

STDV 53  
1 Unit  
Lecture: 1 hour

### STRATEGIES FOR COLLEGE TRANSFER

This course is an introduction to the transfer process. It is designed to provide 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.

*Prerequisite: Eligibility for ENG 51*  
Associate Degree Applicable

STDV 54  
1 Unit  
Lecture: 1 hour

### HUMAN POTENTIAL SEMINAR: STAYING IN COLLEGE

This course is designed to assist students experiencing difficulty in college. Specifically, the technique used in overcoming self-defeating behavior and increasing self-esteem will be covered. Topics such as assertiveness, visual programming, rational thinking, and affirming success will be included.

STDV 55A-D  
2 Units  
Lecture: 2 hours

### PRINCIPLES OF STUDENT LEADERSHIP

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: Eligibility for RDG 51 and ENG 51*  
CSU, Associate Degree Applicable



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STDV 60  
1 Unit  
Lecture: 1 hour

**ORIENTATION TO COLLEGE**

This is a course to assist the first-time college student. It will emphasize college enrollment procedures and policies, development of basic educational survival skills, and provide pertinent information to enable the student to become familiar with general college expectations. The student will be able to formulate a realistic educational plan.

*Prerequisite: For first time college students*

STDV 60A  
½ Unit  
Lecture: .5 hour

**ORIENTATION TO COLLEGE**

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.

## **THEATRE ARTS**

### **DANCE**

DANC 15  
3 Units  
Lecture: 3 hours

**HISTORY OF DANCE**

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: Eligibility for ENG 51*

CSU, UC, Associate Degree Applicable

### **THEATRE ARTS**

TA 1  
3 Units  
Lecture: 3 hours

**INTRODUCTION TO THEATRE**

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: Eligibility for ENG 51 or concurrent enrollment in ENG 50*

CSU, UC, Associate Degree Applicable

TA 2A-D  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours

**ACTING I**

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-D  
3 Units  
Lecture: 2 hours  
Laboratory: 3 hours

**ACTING II**

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-D or by audition*

CSU, UC, Associate Degree Applicable

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<p>TA 6A-C 1-3 Units Laboratory: 3-9 hours</p>	<p><b>THEATRE DANCE</b> 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 will be placed on rehearsal techniques and "polishing" production dance numbers. <i>Prerequisite: Audition and consent of instructor</i> CSU, UC, Associate Degree Applicable</p>
<p>TA 7A,B 3 Units Lecture: 3 hours</p>	<p><b>DIRECTING</b> This course provides the student with a solid overview of all elements of directing for the theatre. Topics covered include: the theory of play directing, script analysis, casting procedures, style and production considerations, rehearsal techniques, directorial methods of composition, movement, and rhythm in staging drama. <i>Prerequisite: TA 2A,B or TA 3A,B or TA 20A,B or consent of instructor</i> CSU, UC, Associate Degree Applicable</p>
<p>TA 8A,B 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>THEATRE GRAPHICS</b> 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</p>
<p>TA 9A,B 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>STAGECRAFT I</b> 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</p>
<p>TA 10A,B 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>STAGECRAFT II</b> 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</p>
<p>TA 11A,B 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>THEATRE SOUND</b> 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. <i>Prerequisite: TA 9 or instructor's consent</i> CSU, UC, Associate Degree Applicable</p>
<p>TA 20A-D 1 Unit Laboratory: 3 hours</p>	<p><b>PLAY PRODUCTION - ACTING</b> 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</p>

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TA 21A-D 2 Units Laboratory: 6 hours	<b>PLAY PRODUCTION - ACTING</b> 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 3 Units Laboratory: 9 hours	<b>PLAY PRODUCTION - ACTING</b> 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 23A-D 4 Units Laboratory: 12 hours	<b>PLAY PRODUCTION - ACTING</b> 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 1 Unit Laboratory: 3 hours	<b>PLAY PRODUCTION - DANCE</b> 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. <i>Prerequisite: Consent of instructor</i> CSU, UC, Associate Degree Applicable
TA 25A-D 2 Units Laboratory: 6 hours	<b>PLAY PRODUCTION - DANCE</b> 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. <i>Prerequisite: Consent of instructor</i> CSU, UC, Associate Degree Applicable
TA 26A-D 3 Units Laboratory: 9 hours	<b>PLAY PRODUCTION - DANCE</b> 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 production. <i>Prerequisite: Consent of instructor</i> CSU, UC, Associate Degree Applicable
TA 27A-D 4 Units Laboratory: 12 hours	<b>PLAY PRODUCTION - DANCE</b> 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 production. <i>Prerequisite: Consent of instructor</i> CSU, UC, Associate Degree Applicable
TA 30A-D 1 Unit Laboratory: 3 hours	<b>PLAY PRODUCTION - TECHNICAL</b> 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

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<p>TA 31A-D 2 Units Laboratory: 6 hours</p>	<p><b>PLAY PRODUCTION - TECHNICAL</b> 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</p>
<p>TA 32A-D 3 Units Laboratory: 9 hours</p>	<p><b>PLAY PRODUCTION - TECHNICAL</b> 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</p>
<p>TA 33A-D 4 Units Laboratory: 12 hours</p>	<p><b>PLAY PRODUCTION - TECHNICAL</b> 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</p>
<p>TA 40A-D 1 Unit Laboratory: 3 hours</p>	<p><b>THEATRE COSTUMING</b> 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</p>
<p>TA 41A-D 2 Units Laboratory: 6 hours</p>	<p><b>THEATRE COSTUMING</b> 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</p>
<p>TA 42A-D 3 Units Laboratory: 9 hours</p>	<p><b>THEATRE COSTUMING</b> 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</p>
<p>TA 43A-D 4 Units Laboratory: 12 hours</p>	<p><b>THEATRE COSTUMING</b> 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</p>
<p>TA 50A-D 1 Unit Laboratory: 3 hours</p>	<p><b>THEATRE DANCE</b> 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 will be placed on rehearsal techniques and "polishing" production dance numbers. <i>Prerequisite: Audition and consent of instructor</i> CSU, UC, Associate Degree Applicable</p>

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<p>TA 51A-D 2 Units Laboratory: 6 hours</p>	<p><b>THEATRE DANCE</b> 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 will be placed on rehearsal techniques and "polishing" production dance numbers. <i>Prerequisite: Audition and consent of instructor</i> CSU, UC, Associate Degree Applicable</p>
<p>TA 52A-D 3 Units Laboratory: 9 hours</p>	<p><b>THEATRE DANCE</b> 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 will be placed on rehearsal techniques and "polishing" production dance numbers. <i>Prerequisite: Audition and consent of instructor</i> CSU, UC, Associate Degree Applicable</p>
<p>TA 53A-D 4 Units Laboratory: 12 hours</p>	<p><b>THEATRE DANCE</b> 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 will be placed on rehearsal techniques and "polishing" production dance numbers. <i>Prerequisite: Audition and consent of instructor</i> CSU, UC, Associate Degree Applicable</p>
<p>TA 60A,B 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>SCENE DESIGN - BEGINNING</b> 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 will also be examined. <i>Prerequisite: TA 9 or instructor's consent</i> CSU, UC, Associate Degree Applicable</p>
<p>TA 61A,B 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>SCENE DESIGN - BEGINNING</b> 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 will also be examined. <i>Prerequisites: TA 9 or instructor's consent</i> CSU, UC, Associate Degree Applicable</p>
<p>TA 62A,B 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>THEATRE LIGHTING I</b> 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. <i>Prerequisites: Consent of instructor</i> CSU, UC, Associate Degree Applicable</p>
<p>TA 63A,B 3 Units Laboratory: 9 hours</p>	<p><b>THEATRE LIGHTING II</b> 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. <i>Prerequisite: TA 62A or B or equivalent</i> CSU, UC, Associate Degree Applicable</p>

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<p>TA 69A,B 3 Units Lecture: 3 hours</p>	<p><b>DRAMATIC LITERATURE</b> 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. <i>Prerequisite: Eligibility for ENG 51 or concurrent enrollment in ENG 50</i> CSU, UC, Associate Degree Applicable</p>
<p>TA 70A,B 3 Units Lecture: 2 hours Laboratory: 3 hours</p>	<p><b>THEATRE SOUND</b> 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. <i>Prerequisites: TA 9A or instructor's consent</i> CSU, UC, Associate Degree Applicable</p>
<p>TA 71A-D 1 Unit Laboratory: 3 hours</p>	<p><b>SCENE PAINTING</b> 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. <i>Prerequisite: TA 9 or instructor's consent</i> CSU, UC, Associate Degree Applicable</p>
<p>TA 72A-D 2 Units Laboratory: 6 hours</p>	<p><b>SCENE PAINTING</b> 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. <i>Prerequisite: TA 9 or instructor's consent</i> CSU, UC, Associate Degree Applicable</p>
<p>TA 73A-D 3 Units Laboratory: 9 hours</p>	<p><b>SCENE PAINTING</b> 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 will include individual student projects as well as participation in college-sponsored theatre productions. This course examines painting techniques and color relationships. <i>Prerequisite: TA 9 or instructor's consent</i> CSU, UC, Associate Degree Applicable</p>
<p>TA 80A-D 2 Units Lecture: .5 hours Laboratory: 1.5 hours</p>	<p><b>THEATRE MAKEUP</b> This course is designed to give the student the opportunity to learn how to make up his face and others' faces for theatrical productions. Students will be introduced to basic principles and techniques of the art of makeup. CSU, Associate Degree Applicable</p>
<p>TA 81A-D 1 Unit Laboratory: 3 hours</p>	<p><b>CHILDREN'S THEATRE</b> 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</p>

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TA 82A-D 2 Units Laboratory: 6 hours	<b>CHILDREN'S THEATRE</b> 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 83A-D 3 Units Laboratory: 9 hours	<b>CHILDREN'S THEATRE</b> 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 84A-D 4 Units Laboratory: 12 hours	<b>CHILDREN'S THEATRE</b> This course is designed to introduce students to the academic and practical techniques involved in theatre productions for young people. A play will be produced by the class and toured through the schools. All students in the course will be required to participate in some way in the production, such as set design and construction, costume design, lighting, and acting. CSU, Associate Degree Applicable
TA 90A-D 1 Unit Laboratory: 3 hours	<b>MUSICAL THEATRE WORKSHOP</b> 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 2 Units Laboratory: 6 hours	<b>MUSICAL THEATRE WORKSHOP</b> 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 3 Units Laboratory: 9 hours	<b>MUSICAL THEATRE WORKSHOP</b> 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 93A-D 4 Units Laboratory: 12 hours	<b>MUSICAL THEATRE WORKSHOP</b> 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 1 Unit Laboratory: 3 hours	<b>ADVANCED MUSICAL THEATRE</b> 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. <i>Prerequisite: TA 91 or instructor's consent</i> CSU, UC, Associate Degree Applicable

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<p>TA 95A-D 2 Units Laboratory: 6 hours</p>	<p><b>ADVANCED MUSICAL THEATRE</b> 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. <i>Prerequisite: TA 91 or instructor's consent</i> CSU, UC, Associate Degree Applicable</p>
<p>TA 96A-D 3 Units Laboratory: 9 hours</p>	<p><b>ADVANCED MUSICAL THEATRE</b> 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. <i>Prerequisite: TA 91 or instructor's consent</i> CSU, UC, Associate Degree Applicable</p>
<p>TA 97A-D 4 Units Laboratory: 12 hours</p>	<p><b>ADVANCED MUSICAL THEATRE</b> 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. <i>Prerequisite: TA 91 or instructor's consent</i> CSU, UC, Associate Degree Applicable</p>

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## ANNOUNCEMENT OF FACULTY

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LaVONNE ABRUZZI (1987)  
Assistant Professor of Nursing  
B.S.N. 1961, Jamestown College, North Dakota

FRANKLIN YTRO ATTOUN (1967)  
Professor of French and Spanish  
Chairperson, Communication Division  
B.S. 1966, University of Missouri  
M.A. 1967, University of Missouri

JANICE BROWN BARNETT (1990)  
Coordinator, Child Development  
Training & Resource Center  
A.A. 1954, Sierra College, California  
B.A. 1958, California State University, Los Angeles  
M.A. 1975, University of Redlands

DAN BAXLEY (1988)  
Dean, School of Science and Technology  
B.A. 1965, Arizona State University  
M.A. 1968, Arizona State University  
Ed.D. 1972, Arizona State University

ARTHUR W. BENDER (1969)  
Professor of Microbiology  
B.S. 1956, Bowling Green State University, Ohio  
M.S.Ed. 1961, University of Toledo, Ohio  
M.S. 1967, Virginia State College

STEPHEN BENO (1985)  
Professor of Culinary Arts  
Executive Chef  
A.O.S. 1971, Culinary Institute of America,  
Hyde Park, New York

GARY R. BERGSTROM (1992)  
Instructor, 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

BARBARA ANNE BOLAÑOS (1971)  
Professor of Sociology  
Chairperson, Social Sciences/Human Services  
A.A. 1967, College of the Desert  
B.A. 1969, California State College, San Bernardino  
M.A. 1970, University of California, Riverside

PAUL D. BOWIE (1970)  
Professor of Biology and Botany  
B.S. 1966, University of Redlands  
M.S. 1970, University of Arizona

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Assistant 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

CATHLEEN M. BRANT (1991)  
Instructor of English  
A.B. 1964, San Francisco State College  
M.A. 1970, University of Florida, Gainesville

DOROTHY HELEN BRAY (1987)  
Vice-President, Educational Services  
B.S. 1956, Illinois State University  
M.A. 1964, California State University, Fullerton  
Ed.D. 1976, University of Southern California

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

FAYE R. CASTILLEJA (1972)  
Professor of Nursing  
A.A. 1969, College of the Desert

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THOMAS CIASTKO (1981)  
Associate Professor of Respiratory Therapy  
Director, Respiratory Therapy Program  
A.S. 1970, Chicago City College, Illinois

JOHN R. COEFIELD (1963)  
Professor of Health, Physical Education &  
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)  
Professor of 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

CHERYL ANN COOK (1986)  
Director, Base Programs  
Copper Mountain Campus  
B.A. 1972, Adrian College, Michigan  
M.A. 1983, Chapman College, California

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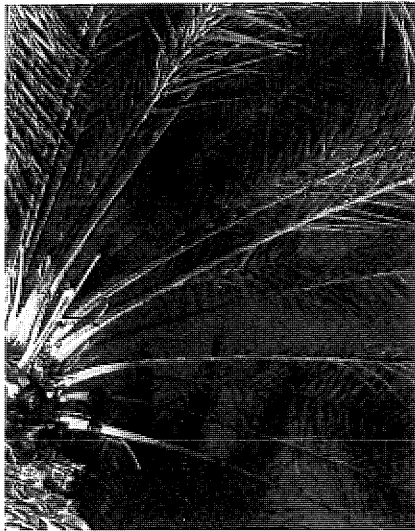
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# Desert Community College District

## POLICY STATEMENTS

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For complete policy procedures, refer to policies manual in the Admissions or Counseling offices.

**POLICY STATEMENT #1:**  
**(Admission of International Students with F-1 or M-1 Status, p. 20)**

The District, to enrich and diversify the institutional environment, admits a limited number of international students who meet specific criteria.

**POLICY STATEMENT #2:**  
**(Evaluation and acceptance of Transfer courses and grades, p. 45)**

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.

**POLICY STATEMENT #3:**  
**(Catalog requirements under which a student graduates, p. 45)**

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.

**POLICY STATEMENT #4:**  
**(Student Classification for Matriculation, p.21)**

The District classifies students for matriculation services and requirements based on student goal(s) and academic level.

**POLICY STATEMENT #5:**  
**(Admission of Special Students, p. 19)**

The District allows K-12 students to enroll based on student readiness, and approval of school officials and parent(s).

**POLICY STATEMENT #6:**  
**(Admission of Special Students to Summer Sessions, p. 19)**

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).

**POLICY STATEMENT #7:**  
**(Early Admission/Special Students/Full Student Status, p. 19)**

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).

**POLICY STATEMENT #8:**  
**(Matriculation Services, p. 21)**

The District has a matriculation process to ensure students are provided with the information and services to set and realize educational goals.

**POLICY STATEMENT #9:**  
**(Course Repetition, Substandard Grades, p. 42)**

The Districts permits students who have earned grades of "D", "F", and/or "NC" to repeat these courses.

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**POLICY STATEMENT #10:**  
**(Course Repetition, Satisfactory Grades,**  
**p. 32)**

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.

**POLICY STATEMENT #11:**  
**(Student Exemptions for Matriculation, p.**  
**21)**

The District exempts students from participation in specific components of the Matriculation process based on student's declared educational goal.

**POLICY STATEMENT #12:**  
**(Student Assessment for Placement, p. 21)**

The District has a multi-measure assessment program to ensure that appropriate educational support services and opportunities are provided for students.

**POLICY STATEMENT #13:**  
**(Student Grade Responsibility, p. 36)**

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.

**POLICY STATEMENT #14:**  
**(Catalog, Period of Time in Effect, p. 7)**

The District catalog is valid from July 1 through June 30. (This is for the purpose of degree/certificate programs, advising students, etc.)

**POLICY STATEMENT #15:**  
**(Student Counseling/Advisement Program,**  
**p. 24)**

The District provides academic advisement/counseling for all students. Advisement/counseling

is required for matriculated students once per semester.

**POLICY STATEMENT #16:**  
**(Computer Software Copyright Compli-**  
**ance)**

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.

**POLICY STATEMENT #17:**  
**Student Orientation, p. 24)**

The District provides timely and comprehensive orientation programs. Orientation is for new students classified as matriculated, and available to all students.

**POLICY STATEMENT #18:**  
**(Student Code of Academic Integrity, p. 43)**

The District assumes the responsibility for fostering student academic integrity by considering cheating, fabrication, facilitating academic dishonesty and plagiarism to be serious student offenses.

**POLICY STATEMENT #19:**  
**(Graduation, Student Honors, p. 38)**

The District recognizes academic accomplishment by awarding associate degrees with Highest Honors, High Honors, and Academic Distinction designations.

**POLICY STATEMENT #20:**  
**(Ownership of Literary Works, Including**  
**Computer Software) Pending.**

**POLICY STATEMENT #21:**  
**(Enrollment, Student Holds, p. 38,43)**

The District may prevent students from enrolling in classes who are on Academic and/or Progress Disqualification or Conduct Suspension and Expulsion.

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**POLICY STATEMENT #22:**  
**(Student Grievance Policy, p. 43)**

The District has established a student grievance procedure to ensure fair and equitable treatment for students who feel they have been unfairly treated.

**POLICY STATEMENT #23:**  
**(Credit for Advanced Placement Examinations, p. 41)**

The District grants credit toward its degrees for completion of examinations of the Advanced Placement Program of the College Board with minimum acceptable scores.

**POLICY STATEMENT #24:**  
**(Records: Student Holds, p. 23)**

The District places holds on student records, including transcripts, grades, enrollment verifications and diplomas, for monies owed to the college.

**POLICY STATEMENT #27:**  
**(Students' Rights and Responsibilities, p. 28)**

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.

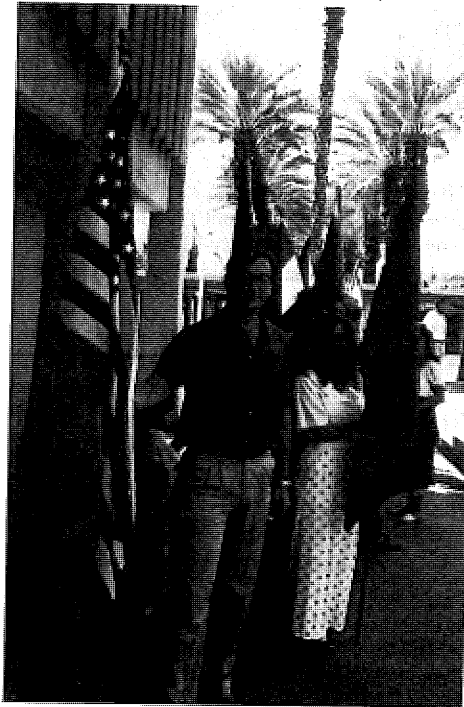
**POLICY STATEMENT #28:**  
**(Campus Sexual Assault, p. 16)**

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.

**POLICY STATEMENT #29:**  
**(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.



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# GLOSSARY

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**ACADEMIC SKILLS CENTER** - A centralized learning assistance center for tutoring, computer assisted instruction, assessment and instructor conferencing; located in Engineering 6/7.

**ACCREDITATION** - A satisfactory evaluation of a college (or other institution) by an association of colleges or by professional agencies.

**ADMISSIONS AND RECORDS** - The office and staff that accounts and certifies each student's legal record in the college and is the source of the college's legal statistical data.

**ADVISOR** - Ordinarily an instructor who is a specialist in the student's major field. Available to help in matters relating to a student's educational objectives such as providing help in selecting courses.

**ASCOD CARD** - Associated Students membership card entitling student to free or discounted admission to many campus events, free legal service and discounts in the community.

**ASSOCIATE ARTS DEGREE - A.A. AND ASSOCIATE SCIENCE DEGREE - A.S.** A degree awarded by a community college upon satisfactory completion of an organized program of 60 units or more.

**ASSESSMENT TESTING** - Assessment testing is required prior to registration for matriculating students. The tests include reading comprehension, sentence skills and mathematics. The results are used along with a student's educational record, maturity, goals, academic related habits, family support, etc., in selecting appropriate reading, English and mathematics classes.

**ATHLETICS** - College of the Desert is a member of the Foothill Athletic Conference. The college participates in the following sports for

men; baseball, basketball, cross-country, football, golf, soccer, tennis and track and field; for women; basketball, cross-country, softball, tennis, track and field, and volleyball.

**BACHELOR'S DEGREES (B.A., A.B., B.S.)** A degree awarded by a four-year college or university upon satisfactory completion of 120 or more semester units in an organized program of studies.

**C.A.R.E.** - Cooperative Agencies Resources for Education - A program for single parents receiving Aid to Families with Dependent Children (AFDC). Vocational, academic, financial and personal support services are provided.

**CERTIFICATE** - Awarded to those who complete a required sequence of courses in some occupational majors, requiring less than 60 units of college work and no General Education Requirements.

**COLLEGE CATALOG** - A bulletin issued by a college outlining the course offerings and descriptions, majors, admission requirements, regulations, etc. Presents information needed by prospective students, faculty and staff, and advisers. The legal document of the institution.

**COMMUNITY COLLEGE** - (also called Junior College or City College) A college which offers two years of college and awards the A.A. and A.S. Degree for 60-64 semester units of college work.

**CONTINUING EDUCATION** - All off-campus (credit and non-credit) classes plus all classes offered at the campus after 4:30 p.m. and on Saturday.

**COUNSELING** - Helping a student to develop self-understanding and educational and career plans.

**CREDIT COURSES** - Courses numbered 1-99, applicable toward the A.A. and A.S. Degree.



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**DEVELOPMENTAL EDUCATION** - A college department offering open-entry, open-exit basic courses for adults in reading, writing and mathematical skills and in English as a Second Language. Also provides for earning a high school diploma by those 18 or over.

**DISABLED STUDENTS PROGRAMS AND SERVICES** - Enabling services to assist disabled students in equitable educational opportunities and in special programs; available to those students who qualify. Students must apply; participation is voluntary. A partial list of the conditions that are provided for in the program includes; blind or partially sighted, deaf or hard of hearing, orthopedically disabled, wheelchair students, epileptic, diabetic, arthritic, respiratory-cardiac disorders, and others.

**DISQUALIFICATION (Dismissed)** - Academic dismissal from the College.

**ELECTIVE (Course)** - A course selected by the student that is not required for general education or for the major field of study.

**EOPS** - (Extended Opportunity Program and Services) Enrolls disadvantaged students and provides them with financial assistance and educational support services such as tutoring.

**EXTENDED DAY** - Regular college classes offered between 4:30 p.m. and 10:30 p.m.

**FINANCIAL AID** - Program designed to assist students in meeting educational expenses.

**GED** - The General Education Development test. A high school equivalency test for those 18 or over. Offered by the Developmental Education department.

**GENERAL EDUCATION REQUIREMENTS** Also called breadth requirements or Liberal Arts Requirements)- A specific group of courses required of all students in college for receipt of the Associate Degree; designed to broaden the student's education.

**GRADE POINTS** - A numerical value assigned to each unit of college letter grades. For example:

A4, B3, C2, D1, F0, grade points. These Points are used in computing your grade point average.

**GRADE POINT AVERAGE (GPA)** - The quotient determined by dividing total grade points by the number of units attempted.

**GUARANTEED ADMISSION CONTRACT** An admission contract between a community college and four-year universities that guarantees transfer admission to those who qualify. College of the Desert currently offers admission contracts for students who plan to transfer to CSU San Bernardino, or UC Riverside. Contracts are available through the COD Transfer Center, located in Administration, Room 5.

**GUIDANCE** - Individualization and personalization of the educational process. It includes analysis, information, orientation, counseling, placement and follow-up.

**INCOMPLETE GRADE** - A grade of "I" received for not completing all required work in a certain course; as agreed upon between the instructor and student, and as recorded on the Incomplete form.

**LABORATORY** - A room or rooms appropriately equipped and used for scientific experimentation and research. A course may include a lecture session and a laboratory or seminar, requiring students to register for each.

**LOWER DIVISION** - Refers to students or courses at the Freshman or Sophomore level of college. A group or series of courses designed to provide intensive education or training in a specialized area. See occupational major and transfer major.

**MAJOR** - Subject of college study chosen as a field of specialization. For example; agriculture, electronics technology, history, nursing.

**MATRICULATION** - Matriculation is a process for student success which includes early admissions, assessment, orientation, advisement, and progress follow-up for degree/certificate and/or transfer students.

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**NON-CREDIT COURSES** - Courses numbered 100 and above, do not apply toward the A.A. and A.S. Degree; can be used for Adult Diploma credit.

**OCCUPATIONAL COURSES** - Courses designed to enhance a student's employability skills. The College of the Desert catalog entry indicates which courses are transferable.

**OCCUPATIONAL MAJOR** - A major primarily intended to prepare students for immediate employment after community college coursework is completed.

**PETITION** - A student request for reconsideration due to unusual circumstances, generally originates at the Registrar's Office

**PLACEMENT OFFICE** - College service primarily concerned with assisting students in college to find part-time and full-time work.

**PRIVACY ACT** - The "Family Educational Rights and Privacy Act" regulations protect the privacy of students and their college records. Any currently enrolled or former student has the right of access to all his/her records maintained by the college.

**PROBATION** - A trial period, usually one quarter or semester, in which the student must improve his/her academic achievement to avoid being dismissed from college, or to meet graduation requirements. At the end of any semester, a student who has failed to achieve a 2.0 GPA may be placed on probation. Excessive "W" grades can also result in probation status.

**QUARTER SYSTEM** - System in which four terms cover the calendar year. Three quarters constitute the work of the academic year.

**PREREQUISITE** - A requirement that must be met before enrolling in a particular course; usually a prior course, or sophomore standing.

**REGISTRATION** - The process of being accepted and enrolled in classes.

**SCHEDULE OF CLASSES** - A booklet giving the name, units, time, day, room and/or place, and instructor of all classes held.

**SEMESTER** - One-half of the academic year. The Fall semester begins in September; Spring semester in January; each is generally 17 and 1/2 weeks duration.

**STUDENT SERVICES** - Provided under the direction of the Dean of Student Services and Relations includes: Admission and Records, Career Guidance, EOPS, Financial Aid, Guidance and Counseling, Handicapped Programs and Services, Health Services, Job Placement, Peer Counseling, Student Government and Activities, Transfer Counseling, and Veterans' Affairs.

**TBA** - To be arranged. Generally used in laboratory type classes to indicate that the time of the class meeting will be arranged at a time mutually convenient to the students enrolled and the instructor involved.

**TRANSCRIPT** - An official list of all courses taken by a student at a college or university, showing the final grade received for each course.

**TRANSFER CENTER** - A service provided by the Counseling Department to assist students in all phases of the transfer process, including admission, financial aid/scholarship information, programs and majors. The Transfer Center is located in Administration, Room 5.

**TRANSFER COLLEGE** - (Transfer Institution) - A college or university which offers two years of upper division and usually lower division work too. It may award the Bachelor's, Master's, and Doctor's Degrees. A few colleges or universities offer only upper division and graduate work.

**TRANSFER COURSES** - Courses for student planning to transfer to a four-year college/university. Courses transferable to the California State University and Colleges are indicated by "CSU" and those transferable to the University of California are indicated by "UC" next to the course number in this catalog.

**TUTORING** - A service offered by arrangement in the Tutorial Center to those enrolled in College of the Desert. Students receive help in studying specific courses in which they are having difficulty. The Tutorial Center is located in the Academic Skills Center, Engineering 6/7.

**UNIT** - Semester Unit: Generally one hour per week for about 17 weeks. Quarter Unit: Generally one hour per week for 12 weeks. A number which indicates the amount of college credit given to a course. (60 semester units or more are required for the A.A. Degree and A.S. Degree)

**UPPER DIVISION** - Refers to students or courses at the Junior and Senior level of four-year colleges and universities.

**WRITING CENTER** - A service provided by the Communication Division to aid students in all aspects of writing. Located in the Academic Skills Center, E 6/7, the service is open to all students enrolled in writing courses and offers one-to-one tutorial as well as computer assisted instruction.

**WORK STUDY** - A combined federal/local financial aid program for qualified students who

work on campus assisting the staff for fifteen hours each week. Not the same as Cooperative Work Experience Education.

### NOTICE OF DISCLAIMER

Every reasonable effort has been made to determine that everything stated in this 1993 - 1994 Catalog is accurate. Because this publication must be prepared well in advance of the period of time it covers, changes in some programs inevitably will occur. Courses and programs offered, together with other matters contained herein, are subject to change without notice by the Administration of the Desert Community College District or College of the Desert, and in addition, some courses or programs that are offered may have to be cancelled because of insufficient enrollment or because of elimination or reduction in programs or because of any other reason considered sufficient by the College President or designee.

The District and College further reserve the right to add, amend, or repeal any of their rules, regulations, policies or procedures.



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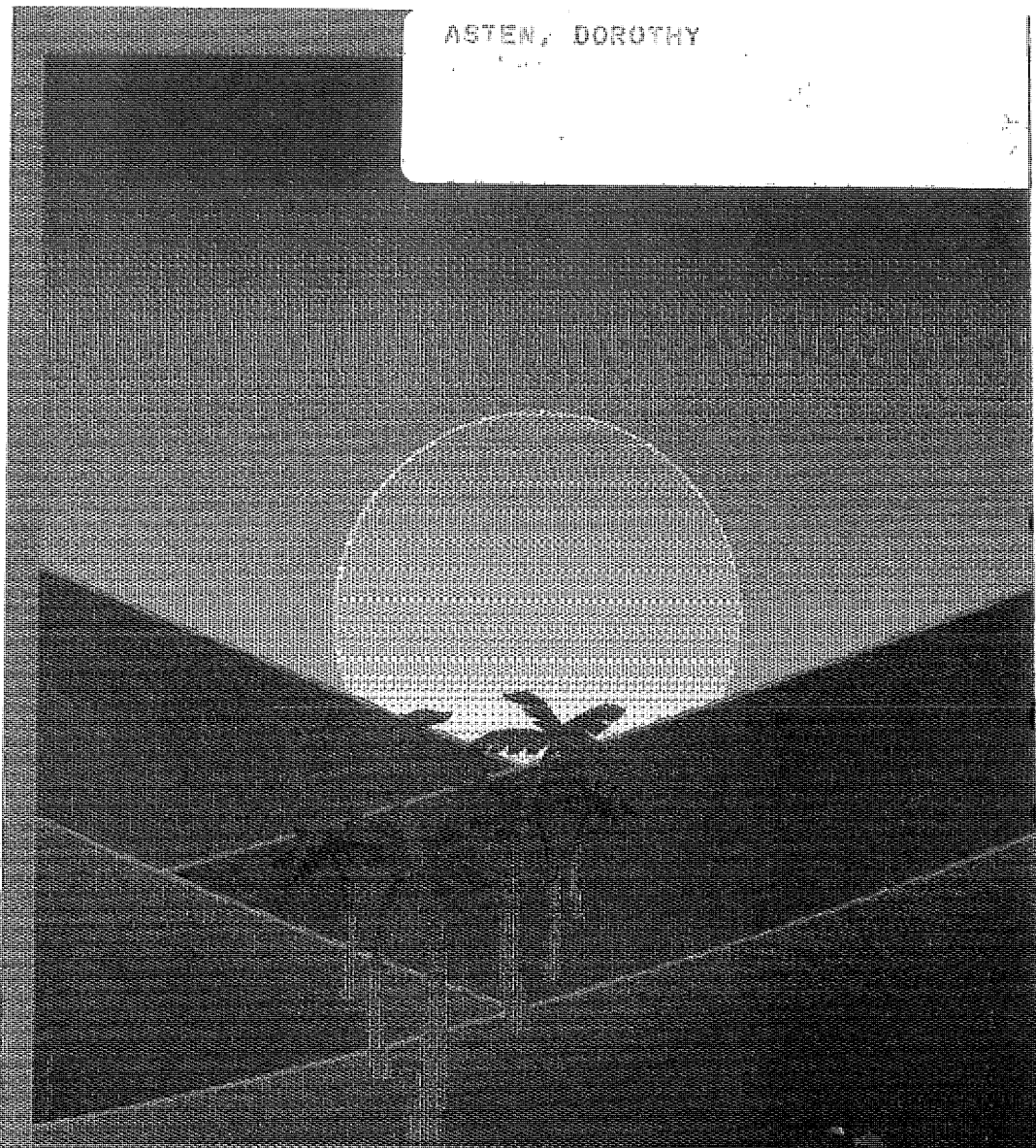
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