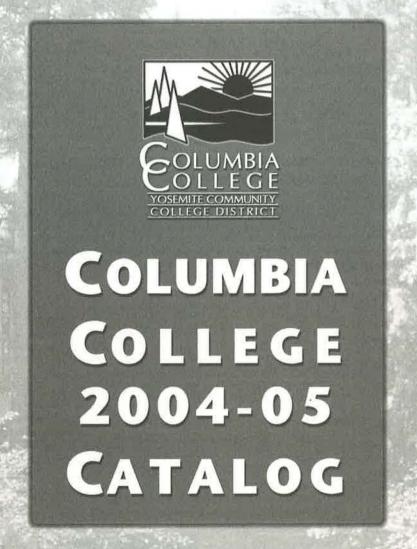
EOLUMBIA OLLEGE

Promoting life-long learning



through all seasons ...

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Small College. Big Opportunities.

11600 Columbia College Drive Sonora, California 95370 • 209.588.5100

Visit Our Website: www.gocolumbia.org

2

Campus Phone Directory

All phone numbers are in the 209 area code except as noted.

$\mathcal A$	${\mathcal F}$
Academic Achievement Center 588.5088 Academic Senate Office 588.5223 Admissions & Records 588.5231 Advanced Technology Training Center (ATTC)	Facilities Operations Office 588.5366 Facilities Operations/Maintenance Shop
Computer Lab	Fire House/Fire Station
${\mathcal B}$	\mathcal{G}
Bakery Lab 588.5301 Biology Lab 588.5157 Bookstore See Manzanita Bookstore Buckeye Building Lab 588.5168 Business Office 588.5113	General Education Development (G.E.D.) Test Center 588.5109
Calaveras Center 736.5940 CalWORKs/Jobs Now! 588.5148 Career & Transfer Center 588.5271 Cellar Restaurant 588.5300 Child Care Center 588.5278 Child Development 588.5377 Cooperative Agencies Resources	Health & Human Performance Department
for Education (CARE) 588.5130 Counseling Office 588.5109 Culinary & Pastry Arts Department 588.5135	Instruction Office Arts & Sciences Division 588.5142 Vocational Education Division 588.5142 Instructional Materials Center (IMC)
Disabled Students Programs & Services (DSP&S)	Job Placement588.5312
Extended Opportunity Programs & Services (EOP&S)	Learning Disabilities Department

xce	pt as noted.
	Manzanita Bookstore
ı	Oak Pavilion 588.5180 Oak Pavilion Ticket Office 588.5266 Observatory 588.5297
	P Photo Lab
	Security Office
	Technology Services 588.5122 Testing Center 588.5234 Tram Driver (DSP&S) 588.5131 Transfer & Career Center 588.5109 Transportation Department 588.5311
	Video Conference Room (Fir 2) 588.5267

Welding Lab ..

588.5365

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11600 Columbia College Drive Sonora, California 95370

209.588.5100, General Exchange 209.588.5104, Facsimile

Website: www.gocolumbia.org

Jim Riggs, Ed.D.
President

George Railey, Jr.
Dean of Instructional Services
Arts & Sciences

Gary MendenhallDean of Instructional Services
Vocational Education

Connie MicalDirector of Administrative Services

Yosemite Community College District

YCCD Board of Trustees Pat Dean Anne DeMartini Linda Flores Tom Hallinan Paul Neumann Abe Rojas Delsie Schrimp

Columbia College is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges.

All phone numbers listed within this publication are in the 209 area code except as







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Disclaimer: The Yosemite Community College District and Columbia College have made every reasonable effort to determine that everything stated in this catalog is accurate. Courses and programs offered together with other matters contained herein, are subject to change without notice by the administration of the Yosemite Community College District or Columbia College for reasons related to student enrollment, level of financial support, or for any other reason, at the discretion of the District and the College. The District and the College further reserve the right to add, amend, or repeal any of their rules, regulations, policies and procedures.

2004-05 Academic Schedule

	Jul 26 DSP&S/EOP&S - Touch-tone phone/ Online registration by appointment only	
	Jul 27 - Aug 11 Continuing students - Touch-tone phone/Online registration by appointment only	
	Aug 12,16-19 Newly matriculated - Touch-tone phone/Online registration by appointment only.	
	Aug 20-27 All students - Open registration. Touchtone phone/Online registration (No appointment required)	
	Aug 30 Instruction Begins	
2 004	Sep 3* Last day to enter a full semester class without instructor approval	
	Sep 6 Holiday - Labor Day	
_	Sep 10* Last day to apply for refund	
SEIVIES I EK	Sep 24* Last day to withdraw without a W showing on permanent record	
片	Sep 30* Last day to elect for CR/NC grading	
LALL	Oct 1 Deadline for filing for graduation and certificates for Spring 2005	
	Nov 11 Hollday - Veterans Day	
- O	Nov 19* Last day to withdraw from any course	
A	Nov 24 No Evening Classes	
	Nov 25-26 Holiday - Thanksgiving	
	Dec 13-18 Final Examinations	
	Dec 18 Fall Semester Ends	
	Dec 20 - Jan 9 Winter Recess	

	•					
	Nov 24 DSP&S/EOP&S - Touch-tone phone/Online registration by appointment only					
	Nov 29-Dec 10 Continuing students - Touch-tone phone/ Online registration by appointment only					
	Dec 13 - 17 Newly matriculated - Touch-tone phone/ Online registration by appointment only					
	Dec 20-22 All students - Open registration Touch-tone					
	& Jan 3-7 phone/Online registration or on campus (No appointment necessary)					
SPRING SEMESTER 2005	Dec 20 - Jan 7 All students - Open registration. Touch- tone phone/Online registration only (campus closed)					
~	Jan 10 Instruction Begins					
ESTE	Jan 14* Last day to enter a full semester class without instructor approval					
Σ	Jan 17 Hollday - Martin Luther King					
S	Jan 21* Last day to apply for refund					
SNE	Feb 4* Last day to withdraw without a W showing on permanent record					
2	Feb 9* Last day to elect for CR/NC grading					
S	Feb 18 Holiday - Lincoln Day					
	Feb 21 Hollday - Washington Day					
	Mar 4 Deadline for filing for graduation and certificates for Fall 2005					
	Apr 1* Last day to withdraw from any course					
	Apr 25-30 Final Examinations					
	Apr 30 Spring Semester Ends					
	Apr 29 Graduation					
	- P					

tone phone, online or on-campus (Touchtone phone and online only on Fridays, Saturdays, Sundays & Holidays)	
May 16 Instruction Begins	E
May 19* Last day to apply for refund	l
May 26* Last day to withdraw without a W showing on permanent record	
May 26* Last day to apply for CR/NC grading	l
May 30 Holiday - Memorial Day	
Jun 2* Last day to withdraw from any course	
jun 10 First Summer Session Ends	

Fridays, Saturdays, Sundays & Holidays)
Jun 13 Instruction Begins
Jun 16* Last day to apply for refund
Jun 23* Last day to withdraw without a W showing on permanent record
Jun 23* Last day to elect for CR/NC grading
Jul 4 Hollday-Independence Day
Jul 6* Last day to withdraw from any course
Jul 15 Second Summer Session Ends

Apr 11-Jun 9 Registration - Touch- tone phone, online or on-campus (Touchtone phone and online only on Fridays, Saturdays, Sundays & Holidays)	Apr 11-Jul 14 Registration - Touch- tone phone, online or on-campus (Touchtone phone and online only on Fridays, Saturdays, Sundays & Holidays)
Jun 13 Instruction Begins	Jul 18Instruction Begins
Jun 16* Last day to apply for refund	Jul 21* Last day to apply for refund
Jun 23* Last day to withdraw without a W showing on permanent record	IUI 20" Last day to withdraw
Jun 23* Last day to elect for CR/NC grading	without a W showing on permanent record jul 28*Last day to apply for CR/NC grading
Jul 4 Hollday-Independence Day	Aug IV" Last day to withdraw
Jul 6* Last day to withdraw from any course	from any course Aug 19 Third Summer Session Ends
Jul 15Second Summer Session Ends	Session Ends

* These dates apply to semester-length classes only. Contact Admissions & Records for specific short course deadlines. NOTE: This calendar is subject to change. Refer to semester schedules for up-to-date information.

2004-05 Academic Calendar Year At A Glance

Fall 2004

August							
S	M	T	W	T	F	S	
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26	27	28	29	30			3/2.

9/3	Last day to add
	without instructor
	approval
9/6	Labor Day
9/10	Last day for a refund
9/24	No penalty drop

12/13-18 Finals Week

12/23

12/30

12/31

12/18 Fall Classes End

Local holiday Winter holiday 12/20-31 Winter break

Local holiday

New Year holiday

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31						
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	1	2	3	4	5	6	11/19	Last date to withdra
7	8	9	10	X	12	13	11/25 11/26	Thanksgiving Local hollday
14	15	16	17	18	19	20	11/20	Local Holiday
21	22	23	24	26	26	27		
28	29	30	T					

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ř	Flex/Institute Day
	Flex Day
0	Spring Classes Begin
4	Last day to add with a st

Martin Luther King, Jr. Day

Deadline for filing for

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Spring 2005 January SMTWTFS

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19	20	21	22	23

Legend

Δ	Flex Day
∇	Flex/Institute Day
\circ	Classes Begin

	X	Holld
tute Day		Final
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te Day	Finals
n	

August

2005 Summer Session

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16	Summer Classes Begin	
30	Memorial Day Holiday	

June										J	l
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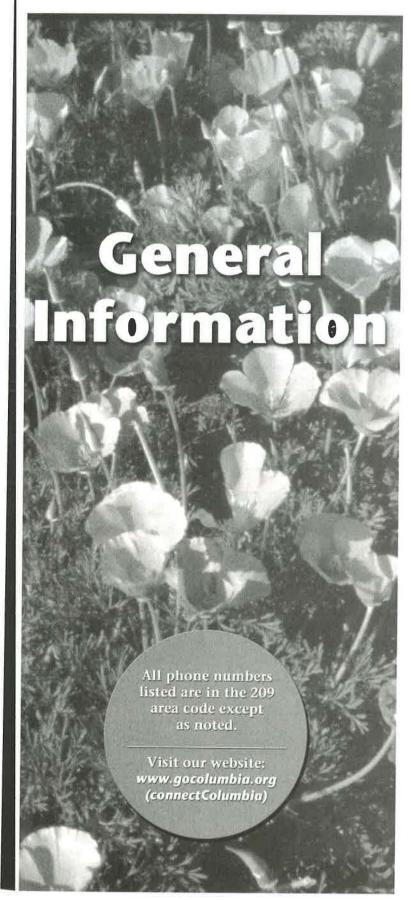
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		22		l	21	22	23	24	25	26	2
		29			28	29	30	31			
-				1							

7/4 Independence Day Hollday

NOTE: This calendar is subject to change. Refer to semester schedules for up-to-date information.





Small College. **Big Opportunities.**

hoose Columbia College whether you're seeking a degree or vocational certificate, planning to transfer to a 4-year university, improving your occupational skills, or simply pursuing an interest or hobby to enrich your life. There's something for everyone here!

Earning one of the College's numerous Associate in Arts Degrees, Associate in Science Degrees, Associate in Science (Occupational Education) Degrees, and Certificates of Achievement will help you prepare a career path and increase your opportunities for the

Columbia College Campus

Located on 280 acres of forestland in California's historic Mother Lode gold country, Columbia College has been described as one of the state's most beautiful community colleges. The campus is built among conifers and mixed hardwoods, surrounding a peaceful 4 1/2 acre

In this wooded setting, Columbia provides a comprehensive program of academic and vocational education, which focuses on the dignity and worth of each individual student. Class sizes allow for lots of personal attention, and instructors are very accessible for student consultation.

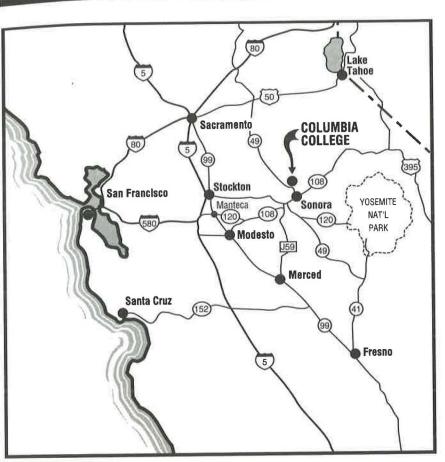
What you'll also find here is a very supportive staff of counselors, financial assistance professionals, academic tutors, and career/job placement specialists with everyone committed to helping you succeed – and all this at a very reasonable community college cost!

If you decide to live on campus, student housing is within easy walking distance of our college buildings. These units are designed as 2-bedroom apartments, and arranged in convenient clusters. Residential supervision and security are available 24 hours a day.

Your Golden Opportunity!

For outdoor recreation, our local area has plenty to do! Pan for gold nuggets, explore underground caverns, visit restored mining towns, snow ski in nearby resorts, fish in neighborhood lakes, hike on one of our campus trails, or just relax alongside a rippling stream.

Whatever your reason for choosing Columbia College, you'll know that it's your golden opportunity from the moment that you set foot on our campus!



Yosemite Community College District

Columbia College and Modesto Junior College (MJC) are institutions of higher education, both affiliated with the Yosemite Community College District (YCCD).

In 1964, action by the district electorate expanded the former Modesto Junior College District into the YCCD. This created one of the largest community college districts in the state geographically, encompassing nearly 4,000 square miles from the San Joaquin Valley and the coast range on the west to the Sierra Nevada on the east.

Today's YCCD includes Tuolumne and Stanislaus Counties, along with parts of San Joaquin, Merced, Calaveras, and Santa Clara Counties.

Prompted by a growing need for educational opportunities in mountain communities and concern with the lengthy student commute to MIC, the YCCD Board of Trustees established Columbia Junior College

in 1968. "Junior" was dropped from the name in 1978. Originally on the quarter system, Columbia College changed to the semester system on July 1, 1984.

Calaveras Center 736.5940

The Calaveras Center, located in the Glory Hole Shopping Center at 2892 Highway 49 (Suite 4) in Angels Camp, is an extension of the college.

The facility provides computer classes in a modern lab, general education and transfer classes, G.E.D. preparation, Community Education and Workforce & Economic Development training courses.

Student services at the center include:

- ➤ Registration for all Columbia College classes
- ➤ Admissions & Records
- ➤ Business Services
- ➤ Counseling Services
- ➤ Book sales for Calaveras classes.

Mission Statement

Consistent with the mission of the California Community Colleges and the Yosemite Community College District, Columbia College is committed to offering a comprehensive range of transfer, vocational, cultural and community education, and to facilitating community and economic development. The College provides support programs and services to assist students and the broader community in gaining access to higher education and achieving success in their chosen endeavors.

The College seeks to promote critical and creative thinking; civic, environmental and global awareness; and individual and collective responsibility. At the heart of our mission is a desire to develop a zest for lifelong learning throughout the community, with the College serving as its educational and cultural center.

In all its programs and services, Columbia College strives for excellence; fosters a spirit of professionalism among faculty and staff; celebrates the diversity of students and staff; promotes personal growth, responsibility and transformational learning; and uses appropriate accountability measures as a means for continuous institutional review, planning and improvement.

At Columbia College, we help students realize their dreams!

Accreditation

Columbia College is fully accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges.

Located at 10 Commercial Boulevard, Suite 204, Novato, CA 94949, 415.506.0234, the organization is an institutional accrediting body, which is recognized by the Commission on Recognition of Post-secondary Accreditation and the U.S. Department of Education.

The college is listed in the directories of the United States Office of Education, American Council on Education, and Western Association of Schools and Colleges.

Appropriate lower division courses completed at Columbia College will be accepted with full credit upon transfer to California State Universities and other four-year educational institutions.

College Functions

Students can earn an Associate Degree, Vocational Certificate, or both upon completion of specific requirements as outlined in this catalog.

Columbia College is committed to meeting the post-secondary educational needs of the community through the following:

General Education To provide courses may be cancelled by the College. in Communication and Critical Thinking, Physical Universe and its Life Forms, Mathematical Concepts, Music, Drama, Art, Fine Arts, Literature, Philosophy, Foreign Language. Social Science, and Lifelong Understanding and Self-Development to satisfy requirements for transfer to upper division institutions; to develop knowledge and skills, attitudes and values that characterize responsible citizenship; to offer intellectual and cultural enrichment; and to promote mental and physical well-being.

Vocational Education To provide courses and programs to prepare students for employment directly after college; to update the skills and knowledge of students who are working and to meet the needs of the local business community; and to facilitate student transfer to other post-secondary institutions.

Remedial Education To assist the student in acquiring those basic competencies needed for effective participation in other College programs.

Student Services To provide comprehensive support services, designed to facilitate student access to the College; to assist students in educational and career planning; and to help ensure successful completion of their personal goals.

Community Services To serve the educational and cultural needs of the community at large by offering feefunded courses, along with self-supporting cultural activities and events; by making College facilities available to community groups; and by providing information regarding College

programs, personnel and activities to the media and general public.

Schedule of Classes www.gocolumbia.org

Schedules of Classes are the official College listings of courses and are published each semester of the academic year.

Schedules contain information regarding registration dates and special instructions for registering in classes. Columbia College reserves the right to make additions or deletions to the Schedules of Classes. Further, classes with insufficient enrollments

Contacting Faculty

Students may contact faculty using the phone numbers found on pages 134-136 in the catalog. See the college website at www.gocolumbia.org for additional information.

College Activities & Student Life

Athletics 588.5143

Columbia College is a member of the Community College League of California, Central Valley Conference. The college currently sponsors two intercollegiate sports: women's volleyball and men's basketball. Second year eligibility is based on completion of 24 units and a cumulative 2.0 grade point average in the first year.

Food Service/The Cellar Restaurant

Food services are located on the lower level of the Manzanita Building for the convenience of school patrons.

The Columbia College Snack Bar is open daily with foods from standard student fare to daily lunch

The Cellar Restaurant is open Monday through Thursday, serving breakfast and lunch. In conjunction with the College's Hospitality Management Program, The Cellar is operated and run by students, who plan, prepare and serve meals as part of their training.

Library 588.5119

Located in Tamarack Hall, the Columbia College Library is a center for study, class research and leisure reading. It welcomes use by students, staff and community residents.

Among its collections are nearly 35,000 books, current subscriptions to 300 magazines and six newspapers, brochures, maps, art prints, and a variety of electronic databases. including full-text magazines and journals, encyclopedias, statistics and other reference sources. Personal computers are available for use during Library hours, along with coin-operated photocopiers.

The Library's media collections include 4,000 audio and video recordings of popular, folk and classical music, local oral history and a wide variety of documentary and feature

Through the Interlibrary Loan Program, the Columbia College Library can locate and borrow materials which are unavailable on campus. The Library's membership in the Central Association of Libraries allows quick access to the collections of more than 50 libraries for students. community residents and staff. The Library staff are available for assistance in locating needed materials, whether from local, regional or national locations.

The Library is open when the College is in session: Mondays through

Thursdays (7:45 a.m.-8 p.m.) and Fridays (7:45 a.m.-4:30 p.m.). It is closed on weekends and during school holidays. Changes to the Library's schedule are posted at the front entrance to the Library, and on the Library's webpage: www.gocolumbia.org/library.

Manzanita Bookstore 588.5126

Located in the Manzanita Building, the Bookstore carries textbooks, materials and supplies as required for classes. Available also are paperbacks, greeting cards, sundries, snacks, computer software and many other items as suggested by student representatives on a Bookstore Advisory Committee.

Costs of textbooks and educational supplies vary with the types of programs, but costs normally range from \$200 to \$400 each semester.

Students can also shop conveniently for textbooks online at www.manzanitabookstore.com.

Student Activities 588.5111

Social events, club activities, community projects and cultural events are conducted through Student Activities. An optional \$5 per semester fee pays for a student activity card, which helps support these activities on-campus and also entitles students to discounts at local businesses as a bonus.

All students are members of the Associated Students of Columbia College and they, in turn, develop a student government.

Student Senate is a representative group, which addresses student affairs, social activities of campus organizations, and serves as spokesperson for the entire student body.

Student Organizations

Those wishing to form a student organization must contact the Student Senate first for procedures, direction and a handbook.

- ➤ Only currently enrolled Columbia College students can participate as members of an officially recognized organization.
- ➤ An advisor must be present at all meetings and activities.

➤ Each semester, organizations must request renewal of their official recognition status.

Campus Bulletin Boards

Posting of materials on bulletin boards can be done only by students, faculty or staff and must be stamped for approval in advance by the office of the Vice President.

- Posters that promote services or classes for profit (excluding those by other accredited institutions of higher education) cannot be posted.
- Persons posting material are responsible for its removal immediately after the event.
- All materials will be removed within two weeks of posting date.
- Materials should not be affixed to glass, wood or metal surfaces, and posted only on bulletin boards or
- Individuals or organizations, who do not follow correct posting, will have their materials removed.

Student Housing 533.3039

Columbia College is one of only a few community colleges in the state with on-campus housing. Comfortable two-bedroom units are designed for three to four residents per unit.

Housing fees are:

Shared Occupancy: (shared bedroom)

- \$4.390 School Year Lease (beginning of August to mid-August of the following year)
- \$1,540 Fall Semester (late August to late December)
- \$255 Winter Break (late December to beginning of January)
- \$1.540 Spring Semester (beginning of January to late April)
- \$1,540- Summer (beginning of May to mid-August)

Single Occupancy: (private bedroom)

• \$6,540 - School Year Lease (beginning of August to mid-August of the following year)

- \$2,295 Fall Semester (late August to late December)
- \$380 Winter Break (late December to beginning of January)
- \$2,295 Spring Semester (beginning of January to late April)
- \$2,295 Summer (beginning of May to mid-August)

NOTE: *If you prepay for a full year you will receive a 5% discount (the discount is reflected in the above list and does not apply to individual semesters).

> *If you prepay for a full year your Winter Rent is included.

Student Housing offers:

- The convenience of on-campus living and within walking distance of all college buildings
- Furnished rooms, including bed, desk, chair, wardrobe, and nightstand
- Kitchenettes include two-burner stove, refrigerator, sink, and dinette set
- Recreation room with satellite big screen TV, pool table, and foosball
- Reading/study room
- On-site Resident Manager and Resident Assistance
- On-site laundry facilities
- Utilities included in rent (except phone)
- Satellite television in units.

For information call 209.533.3039 or email ccshstaff@mlode.com.

College Policies

Student **Nondiscrimination Policy**

It is the policy of Columbia College to provide an environment free of unlawful discrimination. Discrimination on the basis of ethnic group identification, religion, age, sex, color, or physical or mental disability in the College programs, activities, and work environment is unlawful



and will not be tolerated by the College (District Policy 5027).

The College strongly forbids any form of discrimination and has enacted the following procedures to recognize and eliminate unlawful discrimination. These regulations provide for the investigation of alleged unlawful discrimination in its programs or activities. The college will seek to resolve the complaints in an expeditious manner.

Definitions

Color or Ethnic Group

Identification means possessing the racial, cultural, or linguistic characteristics common to a racial, cultural, or ethnic group or the country or ethnic group from which a person or his or her forebears originated (22 California Administrative Code Section 98210b).

Religion includes all aspects of religious observance, practice and belief, including duties of the clergy or elders. A belief is religious if sincerely held and, in the scheme of the believer, holds a place analogous to that filled by the deity of those people whose religion may be more orthodox or more widely accepted (22 California Code Section 98220).

Age means how old a person is, or the number of elapsed years from the date of a person's birth (22 California Administrative Code Section 98230b).

Sex discrimination includes:

Any rule, policy, or practice concerning actual or potential parental, family, or marital status which differentiates on the basis of sex.

Any rule, policy, or practice concerning disability due to pregnancy, childbirth, recovery from childbirth or termination of pregnancy, or other psychological conditions related to the capacity to bear children not applied under the same terms and conditions and in the same manner as any other rule, policy, or practice relating to any other temporary disability except as otherwise provided by the Fair Employment Practice Act.

Any rule, policy, or practice which treats men and women differently for purposes of any program or activity on the basis of aggregate statisti-

cal characteristics of men or women, whether founded in fact, belief, or statistical probability is a discriminatory practice.

Any rule, policy, or practice or incident which conditions the receipt of any benefit upon entering into, or maintaining, a sexual relationship or participation in sexual activity or subjects a person to sexual harassment or intimidation such as unwelcome sexual advances, requests for sexual favors or other verbal or physical conduct of a sexual nature (22 California Administrative Code Section 98240, 98242, 98244).

Physical or Mental Disability means any physical or mental impairment which substantially limits one or more major life activities.

Disabled person means any person who has a physical or mental impairment which substantially limits one or more major life activities, has a record of such an impairment, or is regarded as having such an impairment.

Nondiscrimination Compliance

In compliance with Title VI of the Civil Rights Act (1964), Title IX of the Educational Amendments (1972). Section 504 of the Rehabilitation Act (1973), Americans with Disabilities Act (1990) (ADA), and Age Discrimination Act (1975), Columbia College does not discriminate on the basis of race, color, national origin, sex. disability, or age in its educational programs or employment. Inquiries concerning the application of these Federal laws to College programs and activities can be directed to the following persons at Columbia College, 11600 Columbia College Drive, Sonora, CA 95370-8580.

Title IX

George Railey, Jr. Athletic Director 588.5143

Section 504

Paul Lockman Dean of Special Programs 588.5132

ADA

Connie Mical
Director, Administrative Services
588.5112

It is the policy of the Yosemite Community College District that no student shall be denied access to any course, service or activity on the basis of race, creed, national origin, age, sex, or disability. Lack of English language skills will not be a barrier to enrollment.

Es la regla del Yosemite Community College District no negar al estudiante acceso a ningún servicio, curso o actividad en base de raza, credo, nacionalidad, edad, sexo o impedimento. La falta del idioma inglés tampoco será un obstáculo para la matriculación.

Open Class Policy

Every course, course section or class (of which the average daily attendance is reported for State aid) is open to enrollment and participation by any person, who has met the eligibility requirements for admission to the College — unless specifically exempted from statute. This includes those who meet such prerequisites as may be established.

Exception to this policy will be made where health, safety, legal requirements, or the facility is a limiting factor in the conduct of the course. Students who are denied enrollment by this policy may appeal to the Vice President.

Selective Service Registration

Every male citizen of the United States and male immigrant residing in the U.S., ages 18 through 25, must register for the Selective Service. AB 397, recently signed into law, as Chapter 1, Section 69500, Part 42 of the Education Code, requires that men who apply for state-funded post-secondary school financial aid must be in compliance with the federal Military Selective Service Act before they can receive such aid.

Informational flyers and mailback registration cards are available on campus at the Financial Aid Office, Career/Transfer Center and Admissions & Records Office. Additionally, students can obtain further

tionally, students can obtain further information or initiate a registration online by visiting the Selective Service home web page at http://www.sss.gov.

Sexual Harassment Policy

Policy 5028 of the Yosemite Community College District provides an environment free of unlawful discrimination in its programs, activities and work environment. As such, sexual harassment will not be tolerated by the District.

Unwelcome sexual advances, requests for sexual favors and other verbal or physical conduct of a sexual nature constitute sexual harassment and include:

- Submission to conduct which is explicitly or implicitly made as a term or condition of an individual's employment, academic status, or progress.
- Submission to or rejection of conduct by an individual which: is used as the basis for an employment or academic decision; has a negative impact on the individual's work or academic performance; or creates an intimidating, hostile or offensive work/educational environment.
- Submission to or rejection of conduct by an individual, which is used as the basis for any decision affecting that individual in regards to benefits, services, honors, programs, or activities available at or through the educational institution. (Education Code Section 212.5).

The District strongly forbids any form of sexual harassment, including acts of non-employees. Disciplinary action will be promptly taken against any student or employee (supervisory or otherwise), engaging in sexual harassment.

Smoking on Campus

Columbia College has designated specific smoking areas on campus. Designated smoking areas are available in the vicinity of all campus buildings.

Due to the high fire danger during much of the year, College policy restricts smoking activity to limited areas on campus. Smoking is prohibited: in all buildings, on all pathways, within 20 feet of the entrance and exit of any building, and in all eating areas.

Substance Abuse Policy

College policy prohibits illegal use, possession, manufacture or distribution of controlled substances on the Columbia College campus.

Substance abuse referral assistance is available through Columbia College's health services or counseling department. Students are encouraged to seek assistance.

Drug & Alcohol Policy

Yosemite Community College District Policy 4019 commits to maintaining a drug and alcohol free workplace in accordance with requirements of the U.S. Drug-Free Workplace Act of 1988.

Student Complaint Procedure

In the pursuit of academic studies and other college sponsored activities that will promote intellectual growth and personal development, the student should be free of unlawful discrimination by any employed member of the academic community. Students disturbed by the acts of another student have recourse through the procedure of the Student Code of Conduct.

A complaint may be initiated by a student against another student, an instructor, an administrator, or a member of the classified staff. A student complaining of unlawful discrimination shall, within 120 days of occurrence, meet with the Vice President or designee.

Students are advised to obtain written instructions for the filing of a complaint from the Vice President or designee.

Student Code of Conduct

Columbia College under the Yosemite Community College District Board Policy C5007 has specified those standards of student behavior which it considers essential to its educational mission and its community life. These regulations are designed to represent reasonable standards of conduct. The Student Code of Conduct governs the behavior of students and guests on campus and at College sponsored activities. Violations of the codes may subject individuals to disciplinary action, which complies with the requirements of due

Violations for which students are subject to College discipline include, but are not limited to:

- Dishonesty, such as cheating, plagiarism, or knowingly furnishing false information to the College.
- 2. Forgery, alteration, or misuse of College documents, records or identification.
- 3. Obstruction or disruption of teaching, research, administration, disciplinary proceedings, or other college activities, including its public service functions, or other authorized activities. Pagers, cellular telephones and other similar electronic devices must be turned off in classrooms and at campus sponsored events unless authorized by the appropriate faculty or staff member.
- 4. Physical or verbal abuse of any person or conduct which threatens or endangers the health or safety of any such person.
- 5. Theft of or willful damage to property of the College, its officers, employees, students, or visitors.

- 6. Unauthorized entry to or use of College facilities.
- 7. Violation of District policies or College regulations including regulations concerning student organizations, the use of College facilities, or the time, place, and manner of public expression.
- 8. Intoxication from the use of alcohol or being under the influence of unlawful drugs, or unlawfully distributing, selling or possessing same on College property or at events sponsored by the College.

The Drug-Free Schools & Communities Act Amendments of 1989 require learning institutions to implement drug prevention programs.

There are physical and psychological health risks associated with drug and alcohol use, including, but not limited to, exhaustion, decreased immunity, depression and decreased coordination. Columbia College Health Services offer education and information on drug abuse and can refer students to community agencies for counseling and rehabilitation.

- 9. Failure to comply with the directions of College officials acting in performance of their duties.
- 10. Gambling on College property.
- 11. Hazing or any act that injures, degrades, or disgraces or tends to injure, degrade, or disgrace any fellow student or person attending the College.
- 12. Violation of campus parking or traffic regulations.
- 13. Smoking in non-designated areas.
- 14. Disorderly conduct or lewd, indecent, or obscene conduct on College owned or controlled property or at College sponsored or College supervised functions.

Disciplinary Action

Violators of the Student Code of Conduct are subject to the following types of disciplinary action, which will be administered by appropriate College personnel.

Reprimand — A person receiving a reprimand either oral or written is thereby notified that continued conduct of the type described may result in formal disciplinary action against the student.

Removal by Instructor — The instructor may remove a student from his or her class for the day of the misconduct and the next class meeting.

Disciplinary Probation — Formal disciplinary action resulting in any one or all of the following:

- Removal from any Associated Student's organization office held.
- Revocation of the privilege of participating in College and/or student sponsored activities.

Disciplinary Suspension — Formal disciplinary action denying all campus privileges for a specified period of time. A suspended student is not to occupy any portion of the campus and is denied all College privileges including class attendance, and privileges noted under *Disciplinary Probation* for a specified period of time. There shall be two classes of suspensions:

Summary Suspension is to protect the school from the immediate possibility of disorder or threat to the safety of all students.

Disciplinary Suspension serves as a penalty against the student as a result of the failure of his or her conduct to meet the standards expected by the College.

Expulsion — Formal action taken by Yosemite Community College District terminating a student's privilege to attend the colleges of the District for disciplinary reasons.

Appeals

- 1. The student must notify by phone or in writing the Vice President or designee within 24 hours of the notification of Findings and Disposition, if he/she plans to appeal the decision.
- The student shall have five days from the date he/she receives notice of the decision to file an appeal with the Vice President. Appeal forms are available in the office of the Vice President.
- 3. The student must submit a concise statement based on new evidence or procedural error in interpretation of the evidence to the President of the College.
- 4. The student shall receive notice of the determination of the President of the College within ten days. The decision of the President shall be final.
- 5. The following are not subject to appeal:
 - Short-term suspension of five school days or less, and lesser sanctions.
 - b. Short-term removal by a College instructor.
 - c. Disciplinary probation for a period of one year or less.

Expenses & Fees

Educational Expenses

The following is intended as a guide for single students and is based on 12 units per semester and California residency:

Cost of Education Budget for 9 Months	Parents' Home	On- Campus	Off- Campus
Tuition/Fees	\$660	\$660	\$660
Books/Supplies/Fees	882	882	882
Meals/Housing	2,682	6,115	6,436
Miscellaneous	1,656	1,476	1,800
Transportation	792	594	1,800
Dep. Childcare			900
Totals	\$6,672	\$9,727	\$12,478

The above costs are only approximate and are subject to change.

Students may qualify to have enrollment fees waived if their income falls below specified level or if they are receiving TANF, SSI or GA. Applications for fee waivers are available in the Financial Aid office and should be completed prior to registering for classes.

Fee Refund Policy

Upon request, a refund will be made for fees paid by a student in excess of that computed for program changes completed during the first two weeks of the class if the class is a full semester class (Fall and Spring only). After the second week of class, no refunds will be allowed. Fees paid by credit card will be refunded by check.

Students eligible for refunds must obtain a Request for Refund Form from the Admissions & Records Office, Business Office or on the College website (connectColumbia).

Refunds are not automatic. Exception: Refunds of fees will automatically be made to students enrolling in classes which are cancelled by the College. Contact the Admissions & Records Office for refund dates on short-term classes.

Enrollment fee refunds are subject to a \$10 processing fee. No refunds will be made for a credit amount of \$10 or less. If fees or tuition are paid by check, a refund will not be processed until the check has cleared the bank. Exception: For short-term classes, contact the Admissions & Records Office for deadline dates. Refunds normally take six to eight weeks.'

Parking Fee Refund Policy

Parking fees are only refundable prior to the first day of instruction. Return parking permit with receipt of payment and completed Request for Refund Form to College Business Office. If the College cancels a class and a semester parking permit has been purchased, students must return the parking permit and completed Request for Refund Form to receive a refund. Forms are available at the Business Office, the Admissions and Records Office, and www.gocolumbia.org (connectColumbia).

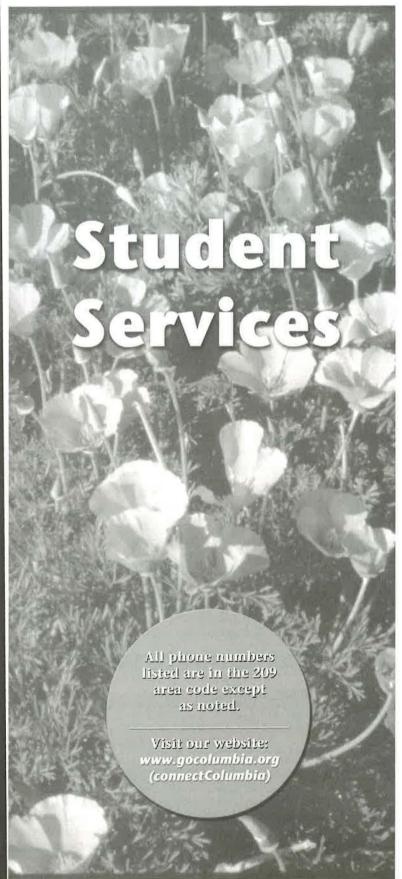
EFFECTIVE FALL SEMESTER 2004

	FEES	AMOUNT	APPLIES TO	EXEMPTIONS/WAIVERS
	**Enrollment Fee (Subject to change) See note below.	\$18 per Unit No Maximum	Credit Students	Apprentice Enrollees (BOGW Qualified)
JECT TO CHANGE	**Health Services Fee	\$13 per Semester \$10 Summer 15¢ per Class Hour (Included in class fee)	Credit Students Community participants Non-Credit Classes Fully Fee-Funded Classes	BOGW Qualified Depend on Prayer for Healing Out-of-District
	* Parking Fee	\$1 a day or \$20 per Semester	Non-student Drivers Student Drivers	Disabled Persons with Placard from DMV Enrollment in off-campus classes only Non-Drivers
	**Non-Resident Tuition	\$149 per Unit Plus Enrollment Fee of \$18 per Unit	Non-residents/International and Foreign students	California Residents
es subjec	**Student Center Fee	\$1 per Unit to \$10 Maximum per Academic Year	Credit Students	BOGW A Recipients Community Education & Professional Development and Non-Credit Students
rees	**Student Representative Fee	\$1 per semester	Credit & Non-Credit Students	Non-Credit Courses Community Education & Professional Development Religious, political, financial, or moral reasons

- ** MATERIALS FEES may be assessed for certain classes in order to enhance the learning process and provide convenient access to learning aids.
- * Only refundable prior to the first class meeting.
- ** Only refundable during the first two weeks of the class (Refers to full semester classes only).

Students are held responsible for payment of all fees associated with their registration activity. If the proper procedure for dropping classes is not followed, the student's fee obligation remains. This applies even if the student never attends class. Students will not be responsible for dropping courses or requesting refunds for classes cancelled by the College.

NOTE: At the time of publication the college enrollment fee amount was under review by the State Legislature for a proposed increase. Please be informed that the college enrollment fee may have changed. For up-to-date fee information contact the College Business Office at 588.5211 or Admissions Office at 588.5231.



Student Admission Procedures

Eligibility

We cordially invite you to apply for admission to Columbia College! If you are a graduate of an accredited high school...hold a high school Certificate of Proficiency or G.E.D. ...or are at least 18 years old and can profit from higher education, plus meet the residence requirements, you are eligible for admission.

Admission Procedures 588.5231

Prospective students must complete and return application forms to our Admissions & Records Office. To apply you can go to the College website at www.gocolumbia.org, and click on connectColumbia. Applications are also available from high school counselors in the Yosemite Community College District and of course, can be obtained in person at our campus, or by requesting a copy in writing from the College.

Your official transcripts for all previous college work must be received during the first semester of attendance for processing. High school transcripts are required only if you have been out of school for five years or less.

Note that students are responsible for providing official documentation of previous high school and college work for evaluation of credit. These documents will become the property of Columbia College and cannot be reproduced or released for any purpose.

Be sure to submit your application as early as possible. To allow for processing, a local mailing address must be submitted prior to completion of registration.

Re-Admission

Planning on returning to Columbia College after an absence of one academic year or more? If so, you need to file an application for re-admission. Transcripts are also required if you have attended another college since last attending Columbia College.

Residence Requirements

For tuition purposes, all new and returning students are classified either as residents or non-residents. Residency will be determined by the College on an individual basis with the submission of each application.

California residency is identified by the length of physical presence within the state and one's intent to make California his/her residence. The minimum residence requirement is one year and one day prior to the first day of the term or a late start class. This is based on the date of registration not on the start date of the class.

Those who have resided in California for less than two years must prove intent, which can be established by submitting two items from the following list with your applica-

- ➤ Owning or renting California residential property for personal use
- > Registering to vote in California
- ➤ Paying California State Income Taxes
- ➤ Having a California Driver's License or ID card
- > Registering a motor vehicle in California
- ➤ Holding an active checking and/ or savings account in a California bank
- > Any other proofs of intent for consideration by the College.

Persons who cannot establish the minimum residence requirement as indicated above will be required to pay \$149 per unit tuition in addition to other standard student fees. Nonresident tuition is refundable upon withdrawal from classes.

Active duty military and their dependents, who are currently residing in the state, are considered California residents. In addition, members of the armed forces, who were stationed on active duty in California for more than one year, may also be classified as residents for up to one year – if they live in the state after discharge.

Credentialed employees, migrant agricultural workers and their dependents may also be considered California residents.

If their visa does not preclude establishing residency in the U.S., non-citizen students may be classified as residents if they have resided in California for more than one year. INS documents must be issued one year and one day prior to the start of the semester otherwise, non-resident tuition will be charged. Examples of INS documentation include:

Resident Alien Card Permanent Resident Card I-94 Form Visa Passport Temporary Resident Card.

Residency questions and classification can be appealed by writing to the Director of Student Success/ Matriculation.

AB 540

Assembly Bill 540 (January 1, 2002) allows exemption from nonresident tuition in some circumstances. This new law does not grant residency. Instead, it only exempts non-resident students from paying non-resident tuition.

If you feel that you qualify, complete a Student Affidavit for Exemption from Non-Resident Tuition. The form can be obtained from the Admissions & Records Office.

K-12 and Home-Schooled **Student Admissison** 588.5231

Columbia College may admit K-12 and home schooled students who would benefit from advanced scholastic or vocational work according to Education Code 48800, 48800-5, and 76000. To be eligible for admission, a K-12 student must be in good standing with the school in which he/she is enrolled. In addition, the student must submit a Columbia College Admissions Application and the completed Concurrent Enrollment/ Release Form to Admissions and Records. Students must satisfy all course prerequisites as defined in the current catalog and complete the college assessment prior to enrollment in Math and /or English. Credit for courses completed shall be at the level determined to be appropriate by

the school district and the community college governing board.

Home-schooled students must obtain the signature of the superintendent or principal of the public school district in which the student resides.

No special arrangements for additional supervision of underage students are available at Columbia College. It is the responsibility of the parents to assure that their student is able to handle the college environment, as well as the content of the courses in which the student enrolls.

Admission of **International Students** 588.5109

We welcome the admission of international students to our community college! Columbia is authorized by the Immigration & Naturalization Service of the Department of Justice to accept international students, who wish to pursue a program of study leading to a Certificate of Achievement, Associate Degree or preparation for transfer to a four-year university.

Application deadlines are:

Semesters Begin-End Deadline Sep – Dec April 1 Spring Jan – May Oct 1 Summer Apr – Aug Jan 1

To help us with processing your application and facilitating your enrollment, we ask that you take the following steps:

- 1 Submit a completed International Student Admission Application with personal goal statement, which is available from: Columbia College
- Admissions & Records Office 11600 Columbia College Drive Sonora, CA 95370-8582 209.588.5109, phone
- 209.588.5337, fax ccinternationalcounselor@ yosemite.cc.ca.us
- **7** Provide the following documents in English:

Official results of the TOEFL (Test Of English as a Foreign Language) - if your native language is other than English. Citizens of Canada, Great Britain, Ireland, Australia, Philippines, and New Zealand, whose native language is English, are exempt from the TOEFL.

Minimum scores of 500 on the paper-based test or 173 on the computer-based test are required. Institutional TOEFL scores are acceptable.

Demonstration of satisfactory financial support.

Submit a notarized or official statement from your personal financial source/s of funding, indicating total income and ability to support you under any circumstances while enrolled at Columbia College. Plus, a written guarantee from the bank of your funding source/s, stating your current account balance/s in U.S. dollars. This information is strictly confidential.

Letters of Recommendation. As part of the assessment process, we ask for two testimonials, one from a recent teacher or instructor, who can attest to your ability to do college-level work.

Columbia College Physician's Certificate of Health. This

form is for completion by a licensed physician and includes an immunization clearance examination. In addition, a chest x-ray or tuberculosis test, showing negative results and dated within one year of admission application, will become part of your permanent health record.

Sickness and Accident Insurance. Proof of sickness and accident insurance is necessary if you are accepted for admission to the College. If none is provided, you need to purchase the Columbia College International Student Medical Insurance Plan within the first month of enrollment. Medical plans vary in type and coverage, so be sure to contact the Business Office when you arrive.

American Sponsor. If available, we ask that international students have an American sponsor, who

resides in the U.S. Have him/her complete the Sponsor's Certification.

Transfer of Transcripts. Students who complete post-secondary coursework at institutions in other countries must submit an official, English-translated transcript. Our Columbia College Foreign Student Advisor will gladly answer any ques-

tions regarding evaluation of foreign

Upon completion of all application requirements listed above by the deadline date, each applicant for admission will be given equal consideration along with other qualified applicants. (See Admission Procedures Section)

transcripts.

If admitted, the appropriate documents form will be mailed. The appropriate documents form must be presented to the appropriate officials in order to obtain an F1 (student) visa and enter the United States.

Student Success Matriculation Program 588.5234

New and non-matriculated returning Columbia College students are provided with a step-by-step approach to a successful educational experience. The Student Success Matriculation Program is designed to give students information and assistance at the time it is most needed: at the threshold of their college careers. All new students with no prior college credit are required to participate in the Student Success Matriculation Program. Exception: Persons who qualify for one of the matriculation exempt categories under Exemption Categories.

A person participating in the Student Success Program will:

- · complete the assessment process including, but not limited to, placement exams in reading, English, and math; an evaluation of educational goals, previous academic history and current skills.
- receive an orientation to Columbia College where services and programs are explained.
- receive an interpretation of test scores and course placements based on the results of the assessment process and other measures.
- · receive priority registration.

- · receive academic advisement in developing a program of studies based upon the student's major and goals.
- purchase a College catalog (\$4).
- receive general information about majors, general education requirements, transfer requirements, and certificates of achievement.
- plan a class schedule in accordance with the chosen academic goal, interests, current skills, and time available for study and
- begin process of developing an educational plan which is required after completion of 15 units. (This includes units transferred in from other accredited colleges.)
- receive individual assistance from a counselor for problem areas identified through student progress monitoring, instructor referral, or student self-referral.

Exemption Categories

Students meeting one or more of the following criteria are exempt from all or parts of the Student Success Matriculation Program:

- students holding an associate degree or higher (however, assessment testing or transcripts showing course completion may be necessary to meet prerequisite requirements)
- students enrolled only in activity courses for which there is no basic skill prerequisite
- students enrolled in community services, non-credit or personal enrichment courses only
- students enrolled only in contract education, courses for in-service training or employer required training courses.

Although a student may qualify for exemption from matriculation, participation is welcomed and encouraged.

Challenge Procedures

Students can challenge required participation in matriculation if they do not meet the exemption categories. The challenge must be

submitted in writing to the Vice President, along with any supporting data.

Forms are available for your use in the Counseling Office. The Vice President may request additional supporting documentation and/or a conversation with the student prior to making a decision.

Notice of Acceptance

New and former students will be officially notified upon acceptance for admission. In addition, information on assessment, orientation and advisement opportunities will be furnished following receipt of application forms. All of this is available on the College website.

Alternative Matriculation for Disabled Students

Applicants to the College with disabilities can seek alternative matriculation services, which include:

- Special assessment
- Assessment by the Learning Disability Specialist
- One-on-one orientation, advisement and development of an educational plan with Disabled Student Services Program staff
- Priority registration.

To qualify, the applicant must inform the Admissions & Records Office or the Disabled Student Services Office about his/her disability and request the alternative matriculation program.

Additionally, he/she must submit written documentation by a professional (Physician, Psychologist, Learning Disability Specialist, etc.), verifying the disability.

Assessment 588.5234

Assessment is required by the California Education Code, Sec. 51006 and is intended to provide sufficient information to facilitate student success while he/she attends the College.

As one of five matriculation components, assessment includes testing to determine a person's proficiency in English and math.

The testing simply helps students in choosing appropriate courses, and can also be used to satisfy certain

course prerequisites. For more information, see the Student Success Matriculation Program.

Educational Plan 588.5109

The Student Success Matriculation Program requires the completion of an Educational Plan by all California Community College students who are pursuing an educational goal.

At Columbia, students should prepare this by the time they have completed 15 units of credit, regardless of whether those credits were earned at Columbia, transferred from another college, or both.

The Counseling Office will gladly assist with specific information on preparing your Educational Plan. After the plan has been reviewed with a counselor, it will be placed in your permanent file.

Students may be denied priority registration for classes if they fail to prepare an Educational Plan. For a waiver from this requirement, see Student Success for Matriculation: Exemption Categories.

Regulations on **Student Records** 588.5234

Student records are open to the student himself/herself, employees of the College acting in the course of their duties, and state or federal officials (California Administrative Code Sec. 54618).

The College may grant access to individual student records for educational or emergency purposes and for court orders (California Administrative Code Sec. 54620 and 54622).

Confidentiality of Student Records

Student records are the responsibility of the Admissions & Records Office. However, each college agency which houses student records is charged with maintaining privacy and access according to College policy.

In addition, student information is maintained under the Director of Accounting/Administrative Services (student financial purposes), Vice President (financial aid, counseling materials and placement data), and Dean of Instructional Services (apprenticeship, community services and work experience).

Student information which is designated as public directory information may be released at the discretion of the College to anyone at any time unless the student has filed a written objection form with the Admissions & Records Office. However, Columbia College will not release directory information for individual use or private business/commercial firm use in advertising or publicity.

Directory information includes the student's name, major field of study, participation in officially recognized activities and sports, weight and height of members of College athletic teams, dates of attendance, degrees, awards and student's photograph in relation to campus-sponsored activities. The District's policies and procedures regarding student records are currently under review.

Students may ordinarily review their own records at any time during office hours. Under all circumstances, the College will make records available within five to ten working days within receipt of a written student request.

All of the preceding statements apply regardless of a student's age. Parents of students under the age of 18 may NOT obtain the student's record. (Ed. Code 40961)

Diploma & Certificate Replacements

The following fees are applicable for replacing official College diplomas and certificates:

Diplomas\$10 Certificates.....\$5

Columbia College **Transcripts**

- ➤ Two Columbia College transcripts will be issued without charge upon written request from the student through the Admissions & Records Office. This includes official or unofficial copies. Additional transcripts are \$5 each.
- ➤ Transcript request forms are available on the College website or at the Admissions & Records Office. Payment must be by credit card for faxed requests.

- Mailed-in requests can be paid for by check or credit card. Credit card payment must include credit card number, name on the card, expiration date, mailing address of the card. All requests must include student's full name, destination of the transcript, current address and **signature**.
- ➤ If you have an official hold placed on your record by the College, your request for transcripts will not be processed.
- ➤ The Family Education Rights & Privacy Act of 1974 states that transcripts cannot be sent in response to telephone requests.
- Transcripts will not be released to anyone other than the student unless the requestor has written authorization from the student.
- ➤ A minimum of ten working days is required for processing, handling and shipping. Same day service can be provided for \$10 in addition to the regular fee.

Other College or High School Transcripts

Columbia College requires new students to submit official transcripts of coursework completed at other colleges and high schools.

- 1. Have the institution mail your transcripts to the Admissions & Records Office, Columbia College. Columbia College. Columbia College will only accept official transcripts that are received in sealed envelopes. High school transcripts are necessary if the student has been out of school within the last five years.
- 2. Columbia cannot release copies of other institution's transcripts. The transcript must be obtained from the institution of origin.
- 3. Students can obtain additional copies of their assessment scores from the Director of Student Success/Matriculation at 588.5234. These scores, however, will not be released if the student has any funds due to the College. Obligations can be paid at the Business Office, by touch-tone phone (536.5400), or on the College website.

Enrollment & Academic Status Verification

With signed consent from the student, enrollment and academic status will be verified by the College for the following purposes: educational verification for employment...child care provider enrollment...insurance...etc.

The first two verifications will be done free of charge. All others will be for a \$5 fee.

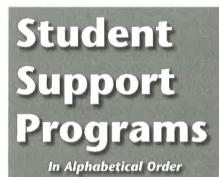
Note that there is no charge for verification for federal loans. However, loan deferment verification will not be released if the student has an outstanding obligation at the College.

Privacy Rights of Students

In accordance with the Family Educational Rights and Privacy Act of 1974, written consent is needed for release or review of student records to all parties or officials, except those specifically authorized access under the act.

Change of Official Records

When requesting a change of name or social security number on official records, you must present legal documentation verifying the change to the Admissions & Records Office.



Academic Achievement Center 588.5088

The Academic Achievement Center (AAC) will assist in improving critical thinking skills by helping you make connections in your own mind and deepening your understanding of course material. There is no charge for this tutoring service. Tutors work individually with students on coursework for most classes offered each semester, including reading and writing assignments.

The AAC also has a computer lab with ten computers, loaded with Microsoft Office Suite 2000 and Internet access, which can be used without an appointment.

Tutoring is available by appointment five days a week, seven hours a day. Appointments can be made by calling the AAC.

CalWORKs 588.5148

Columbia College provides a host of CalWORKs support services, among them individualized and coordinated case management, child care vouchers, career education and job seeking/retention skills, job development, placement and work study opportunities, specialized curriculum advantages, and more.

CARE Program 588.5130

CARE (Cooperative Agencies Resources for Education) is an extension of EOP&S, which serves qualified single parents on TANF.

Thus, EOP&S students can also apply for CARE through the College EOP&S Office.

CARE Eligibility Criteria

- 1. Eligible for EOP&S.
- 2. Currently receiving TANF for self or child.
- 3. Parent of at least one child under the age of 14.
- 4. Must be at least 18 years old and single head of household.
- 5. Enrolled in 12 units.

CARE Program Services

Services may include child care assistance, books, academic supplies, computer technology loans, meal vouchers, academic/career workshops, seminars, and incentive grants as funds permit.

Career Center 588.5109

The Career Center, which is located in the Manzanita Building, offers materials and services to assist with career information. The center maintains a variety of books, occupational publications, newsletters, college catalogs and *Eureka*, a computerized vocational/educational information system.

Child Care Center 588.5278

The Columbia College Child Care Center opened its doors in spring 1991, providing on-campus care for preschool and kindergarten children. In fall 1998, toddler classrooms were added for children 18 to 36 months old. The facility serves as a laboratory for students enrolled in the Child Development Program.

High quality care for children, aged 18 months to five years, is provided by the Columbia College Child Care Center. Best described as a "family friendly environment that fosters positive relationships", the center offers free or low cost child care for families, who qualify on the basis of income and need.

Hours: Mon - Th: 7:45 am - 4:30 pm Fridays: 7:45 am - 2:30 pm Operates on College calendar and during summer sessions.

The Child Care Center also serves as a three-classroom laboratory for adult students, who are enrolled in the Child Development Program. Under the direction of a master teacher, students gain valuable handson experience in child care tech-

Counseling Services 588.5109

niques (Fac. #553602594).

Regardless of whether you're a new, continuing or returning student, take advantage of Columbia College's counseling services. Our staff of professional counselors are here to help you with academic advising, career counseling and planning. Counselors are available during the day and selected evenings, by appointment or drop-in basis.

They assist students with choosing a major or career, which are appropriate to individual values, interests and abilities. They'll provide guidance with personal issues as they relate to planning for and completion of your educational goals.

Counselors also teach classes designed to explore career choices and develop personal goals, as well as transfer and academic survival skills. Refer to the *Guidance* section of this catalog for specific course offerings.

It is important to note that final selection of classes and completion of program requirements are the responsibility of each student.

Disabled Students Programs & Services 588.5130

Disabled Students Programs & Services (DSP&S) provides access to educational programs and activities for students with disabilities. The department provides accessibility through use of support services, special equipment, specially trained staff, and removal of architectural barriers.

Programs and Services

Physical Disabilities – Disabled parking (limited to those students with DMV placards or plates), tram service, mobility support, specialized tutoring, help in locating note takers and readers, and test-taking assistance are all provided.

Provides academic support for those with professionally verified learning disabilities, including individual assessment, individualized learning strategies to remediate or compensate for basic skill deficits, test facilitation, and other in-class accommodations as needed. Tutoring may be by specially trained staff and students for general

High Tech Center — Established in 1995, the center gives disabled students access to and training on adapted computer hardware and software, especially for the visually and mobility impaired. The software is intended to increase skill levels in reading, writing and math.

education and vocational college

coursework.

Additional Services — Vocational counseling, academic advising, special equipment loan, liaison with campus and community resources and assistance with registration are among the additional services for the disabled.

Special Instruction — Special instruction in adaptive physical education, cardiac and pulmonary rehabilitation, and computer access are offered every semester.

Alternate Format Media — All Columbia College publications and institutional materials are in alternate formats and available through the DSP&S Office.

Extended Opportunity Programs & Services 588.5130

The primary function of Extended Opportunity Programs & Services (EOP&S) is to recruit, train and transition economically and educationally disadvantaged students. Applications are handled through the Financial Aid and EOP&S Offices.

EOP&S Eligibility Criteria

In addition to enrolling in 12 units of study and being a resident of California, eligibility for EOP&S is based on:

Economic Need - Students must be eligible for the Board of Governors Waiver A or B to qualify.

Educational Need – Applicants must be educationally disadvantaged in one of the following:

- Does not meet eligibility for degree level math or English on the assessment test.
- 2. Did not graduate from high school or obtain a G.E.D.
- 3. High school G.P.A. was below 2.5.
- Previously enrolled in a remedial class in high school or college.
- 5. First generation college student.

EOP&S Services

Direct Financial Aid - Grants and book grants

Priority Registration - Special registration assistance

Book Service Program - EOP&S students not qualified for book grants may be eligible for assistance through the Book Service Program.



Academic and Career Workshops

- Offered each semester.

Counseling - Academic, vocational and personal counseling.

Transfer Assistance - Help in applying for admission to four-year institu-

Computer Access - Use of computers for classroom assignments

Financial Aid 588.5105

The College's Financial Aid Office administers the following Federal and State assistance programs: Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Federal Work Study, Federal Perkins Loan, Cal Grant, Extended Opportunity Programs & Services, and California Board of Governors Fee Waiver.

Students who need help to meet expenses, such as tuition and fees, housing, food, books, supplies, transportation, and personal incidentals may obtain applications in the Financial Aid office from January 2, 2004 through December 17, 2004. Eligibility is based on financial need and satisfactory academic progress. Additionally, students must have a high school diploma, a G.E.D. or have passed an approved placement examination administered by the Testing Center at the College. Awards are made on a first-come, first-served basis, contingent upon availability of funds. If a financial aid recipient who is a first time student at Columbia College withdraws from all classes during the first 60% of the term, a pro-rata refund to the Pell Grant program of the enrollment fee waiver will be calculated.

Financial Aid Withdrawal & Repayment Policy

Students who receive financial aid and withdraw from all classes prior to completing 60% of the semester. program, or course, are required to repay a portion of all federal financial aid received (Fed. Reg. 34 CFR Parts 668, 682 and 685).

At Columbia College, this includes the Federal Pell Grant and Federal Supplemental Educational Opportunity Grant (FSEOG) programs.

For your use and to comply with federal regulations, a copy of the Financial Aid Consumer Information is available in the Financial Aid and Admissions & Records Office.

High School Equivalency Diploma (G.E.D.) Test Center 588.5109

Columbia College is an official General Educational Development Testing Center, and provides the opportunity to obtain a high school equivalency, or G.E.D. diploma.

Health Services 588.5204

A registered nurse is on-campus several hours each class day to provide a variety of health services for

Students with chronic health problems should inform the College nurse so that the appropriate steps can be taken in case of an emergency. Illnesses or accidents occurring on the campus should be reported immediately to the College nurse or any administrator. Student health records are confidential.

Job Placement 588.5312

The Job Placement Office offers free employment assistance to all unit-bearing students. Exceptions apply to CalWORKs students. Information is available on jobs in the local community and on the campus.

Outreach 588.5111

Through Outreach, Columbia College information is distributed to prospective students. To achieve this, contact is made with high school students and counselors, business and industry professionals, community members, and those seeking personal growth opportunities to improve job skills. Activities are coordinated throughout the Yosemite Community College District.

Scholarships & Awards 588.5105

Columbia College has an extensive number of scholarships and awards provided by organizations and individuals both inside and outside our community. These are publicly announced on the Scholarship Bulletin Board outside the Financial Aid Office and in the Real People Win Scholarships brochure available in the Financial Aid scholarship Office.

A standard application, which may be obtained from the Scholarship Office, is used to determine a student's eligibility for most of the awards. It is available starting August 30, 2004; the deadline for applying is November 24, 2004. If a special application is required for a specific scholarship, it will be noted.

Selection is generally based on one or more of the following criteria: grade point average, financial need, major, units completed, participation in extracurricular activities including employment and/or homemaking. Awards are given to students pursuing goals in almost every major, certificate or transfer program offered and they are available for new, continuing, returning, transferring, and parttime students.

Security/Parking/ Lost & Found 588.5167

The Campus Security Department is in operation 24 hours daily. Campus Security Officers do not have law enforcement authority. Their role is to "observe and report" only. The Crime Awareness and Campus Security Act of 1990 requires institutions to report data for certain criminal acts that occur on campus grounds. Security/crime awareness information is available in various locations on campus. The following are the campus crime statistics for January 1, 2003 - December 31, 2003:

CRIME STATS 2003

CRIMINAL OFFENSES 2003 Murder/Non-negligent Manslaughter Forcible Sex Offenses (Including Forcible Rape) Non-forcible Sex Offenses Robbery Aggravated Assault Burglary Motor Vehicle Theft Arson Negligent Manslaughter

HATE OFFENSES

Murder/Non-negligent Manslaughter Aggravated Assault All Forcible Sex Offenses (Including Forcible Rape) Forcible Rape Arson Negligent Manslaughter Simple Assault

ARRESTS

Liquor Law Violations **Drug Law Violations Illegal Weapons Possessions**

DISIPLINARY ACTIONS/JUDICIAL REFERRALS

Liquor Law Violation **Drug Law Violations Illegal Weapons Possessions**

Daily or semester fees are charged for parking on-campus. Free visitor parking is also available. Various fines will be levied against the public, staff and students for campus traffic or parking violations.

The campus shuttle provides continuous service from the campus parking lots to classroom buildings on Monday through Thursday evenings from 5:15 to 9:30 pm.

Student **Identification Cards** 588.5270

There is no charge to students for the student identification card.

The same Identification Card will be used for each semester attended. Validation stickers for the current semester can be obtained at the beginnning of every semester from the Admissions & Records Office.

An ID is required for use of Student Services, Math and Computer open labs, the Academic Achievement Center and Business Office.

You should carry your card with you while on campus.

Contact the Student Activities Office for processing dates, times and location.

Transfer Center 588.5109

Staff, counselors and resources at the Transfer Center can help you transition from Columbia College to other colleges and universities to complete your educational goals.

Many faculty-approved articulation and transfer credit agreements between Columbia College and UC, CSU and other area community colleges are useful when

completing Educational Plans and in expediting transfers. These articulation agreements are accessible to students through ASSIST, the official repository of California College and University Articulation. Also available through the Transfer Center is Internet access to other college and university websites, as well as their online applications.

The center coordinates regular visits of representatives from regional two and fouryear institutions. By talking with these representatives, you'll develop more direct

contact with personnel, procedures, policies and requirements of specific transfer campuses to prepare you academically for the future.

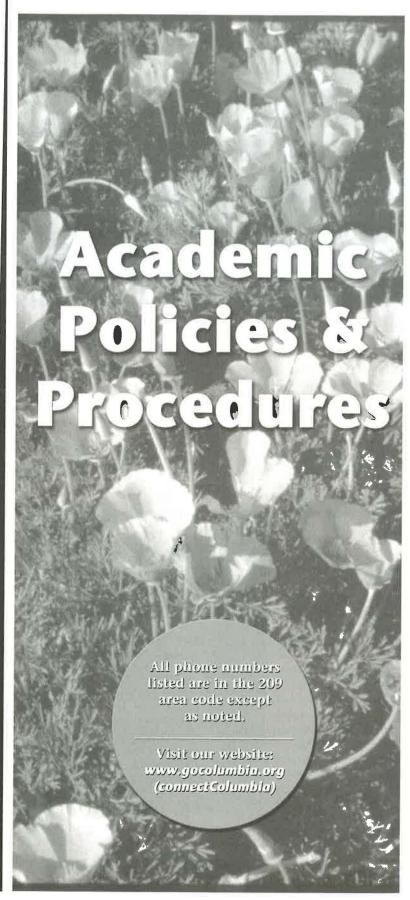
Veterans Affairs 588.5105

Disabled veterans, post-Vietnam era veterans (who participated in payroll deduction programs), members of Reserve units and dependents of disabled, deceased or retired veterans may be eligible for educational benefits while attending college at least half-time.

Applications for benefits are located in the Veterans Affairs Office and should be completed 30 to 120 days prior to the beginning of the school term - if advance pay is being requested. For normal processing, this can be submitted at registration.

Be sure to inquire at the Veterans Affairs Office for information on any other required documents.





Catalog Rights

- A student will be held responsible only for the policies and requirements designated in the catalog for the academic year in which the student completes the first credit course.
- Student's catalog rights begin with the semester a student completes the first course or courses at Columbia College and are applicable for transfer to a four year institution as long as the student remains in continuous attendance. Continuous attendance is defined as completion of at least one credit course per academic year (July 1-June 30) at Columbia College. Attendance at other colleges is not included in determining catalog rights at Columbia College. (Exception: Attendance at another Yosemite Community College District college may be accepted.)
- A student has only four continuous academic years to complete the requirements for graduation with an associate degree and/or certificate completion as defined in the catalog.
- A student who has not met the educational goal at the end of the four years must select a subsequent catalog and is responsible for any changes in requirements.

Unit of Credit

A unit of credit is earned on the basis of one hour of lecture-discussion per week or a minimum of three hours of laboratory per week during a semester. It is common to find courses composed of learning activities resulting in combinations of lecture-discussion, independent and tutorial study, or directed and individual laboratory experiences. In all cases, these are to be equated with the unit of credit. Columbia College operates on a semester system.

The following terms are synonymous in expressing a unit of credit: semester unit, semester hour, class hour, credit and credit hour.

Conversion of Units

To convert quarter and semester units of credit, the following methods of computation are used:

- Quarter units of credit are converted to semester units of credit by multiplying the number of quarter units by two-thirds (# of quarter units x .667 = semester unit credits).
- Semester units of credit are converted to quarter units of credit by multiplying the number of semester units by one and one-half (# of semester unit credits x 1.5 = quarter unit credits).

Prerequisites/ Co-requisites/ Recommended for Success

Columbia College has a prerequisite policy, Board Policy 6260, that may be found in the Office of Instruction, located in the Manzanita Building.

A **prerequisite** is a condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program.

A **co-requisite** is a condition of enrollment consisting of a course that a student is required to take simultaneously in order to enroll in another course.

A course **recommended for success** indicates preparation that a student is advised, but not required to take before enrolling in a course or program.

The course description identifies the only means by which prerequisite and co-requisite requirements can be met. "Or equivalent" in the course description refers to the prerequisite and co-requisite challenge process (See section below).

Course Prerequisite and Co-requisite Challenge Information

A student may challenge a prerequisite or co-requisite under one or more of the criteria listed below:

The prerequisite or co-requisite is:

- Not established in accordance with district processes
- In violation of Title 5 regulations
- Either unlawfully discriminatory or is being applied in an unlawfully discriminatory manner.

Or:

- The student has the knowledge or ability to succeed in the course or program despite not meeting the prerequisite or co-requisite.
- The student will be subject to undue delay in attaining the goal of his or her educational plan because the prerequisite or co-requisite has not been made reasonably available.

Prerequisite Challenge Procedure

Contact the Admissions & Records Office to obtain a Petition for Prerequisite/Co-requisite Challenge Form. Submit the completed form with documentation materials to the Admissions & Records Office. The College shall resolve any challenge within five working days from the time it is filed provided that the student initiates the challenge not less than two weeks prior to the beginning of the semester.

Please note that a prerequisite waiver may not exclude that course from the major requirement.

Grading System

Evaluation of student achievement is made in relation to the attainment of specific course objectives. At the beginning of a course, the instructor will explain the course objectives and basis upon which grades will be determined by one of the following symbols:

- A Excellent
- B Good
- C Satisfactory
- Passing, less than satisfactory
- F Failure
- W Withdrawal from course
- Incomplete
- **CR** Credit (at least satisfactory). This grade cannot be changed to a letter grade.
- NC No Credit (less than satisfactory). This grade cannot be changed to a letter grade.
- RD Report Delayed
- **IP** In Progress (See IP section)

Satisfactory Course Completion

Satisfactory completion of a course requires a grade of **C**, Credit or better.

Challenging Grades

All students, including former students, have the right to review their records and the right to challenge the content of their records if they believe the records contain materials that is incorrect, inaccurate or other-

wise inappropriate. This challenge must occur within two academic years from the time the grade is received. The Dean of Instructional Services is the official to be contacted by any student desiring to exercise the right to access and challenge their academic records.

IP (In Progress)

IP is a grade symbol for a class that is scheduled to extend beyond the end of the semester (a *bridge* class), e.g. course begins November 6 and ends February 1; semester ends December 18.

The student's permanent record will reflect an IP for the semester in which the class began.

Final grade and units for a bridge class will be issued during the semester in which a class ends.

Adding a Course

Prior to the start of the semester, students may add a class by using the touch-tone telephone system (536.5400), online at www.gocolumbia.org (see current Class Schedule for instructions), at the Admissions & Records, or at the Calaveras Center.

To add a class after the first day of instruction, students must complete an "Add" Form which may be obtained from Admissions & Records. Contact the Admissions & Records Office for specific course deadlines.

All Add Forms processed by the Admissions & Records Office require the student to present a picture ID.

Students who are on a probationary or dismissal status must have a counselor's signature on the add slip and must register at the Admissions Office. Students attempting to register for over 18 units during a fall or spring semester, or 12 units during a summer session, must have a counselor's signature on the add slip and must register for these units at the Admissions & Records Office.

Dropping a Course

To drop a course, the student may use the touch-tone telephone system (536.5400), go online at www.gocolumbia.org (see current class schedule for instructions), or submit

a Drop Slip to the Admissions & Records Office or Calaveras Center. All drops processed at the Admissions & Records Office and Calaveras Center require the student to present a picture ID. Students who are on a probationary or dismissal status must have a counselor's signature on the Drop Slip and must drop the course in person at the Admissions & Records office on campus or at the Calaveras

Full semester courses: (See Academic Calendar for exact date) Within the first four weeks - No grade or course title will appear on official transcript (No record of registra-

From the first day of the fifth week to 75% of the semester a W symbol will appear indicating with-

No student drops are allowed after 75% of the term - Possible grade of F will appear on the official transcript.

For less than full semester classes Contact the Admissions & Records Office for deadline dates.

It is the student's responsibility to drop. Web and touchtone telephone transactions can be audited. Drop Slips submitted at the Admissions & Records Office are maintained for two

Please see Fee Refund Policy on page

Repetition of Courses

- Only designated courses may be repeated for credit. See course descriptions for limitation on course repeatability. Registration will be disallowed when a student reaches the limit.
- ➤ Any course in which a student has earned a NC or W may be repeated for college credit.
- Special classes for disabled students and adaptive physical education classes for the disabled are subject to additional repetitions in accordance with Title 5 Section 56029.
- ➤ Courses may be repeated where substandard work has not been recorded if the course is needed to meet legally mandated train-

ing requirements. No petition is required. See Course Descriptions for additional information.

Students who have successfully completed a course the allowable number of times for credit may take the course under the category of AUDITING. All credit students will be given first priority and auditors will be admitted based on available space only after the first class meeting.

Auditors will be required to adhere to all course and college policies, procedures, requirements and regulations. For more information concerning the guidelines and fees, contact the college Admissions and Records Office.

Repetition of Courses for **Improvement of Grades**

In conformance with Title 5, Division 9, Chapter 2, Article 5, Section 58161 of the California Administrative Code, an individual may repeat a course under any of the following conditions:

Courses may be repeated one time for improvement of grade under any of these

- ◆ The student's previous grade is at least in part due to extenuating circumstances beyond the control of the student.
- ◆ A student who has earned a grade of NC, D or F in a course may repeat the course one time for improvement of grade. Only the units and grade earned upon repetition will be computed in the overall GPA and units earned.
- A considerable lapse of time has occurred since the student completed a class. The student must obtain written permission from the Dean of Instructional Services.
- When repeating a course in which a D was received, the grade earned in the repeated course and grade points will be recorded, but no additional units for the course will be allowed.
- When repeating a course in which an F grade was received, the grade, grade points and units earned in the repeated course will be recorded.

- If the course is repeated at another institution, the student must provide the Transcript Evaluator with an official transcript from the transfer institution. If the course is determined equivalent to the Columbia College course, the repetition notation will appear on the Columbia College transcript.
- · Courses taken "Credit by Examination" may NOT be repeated.

Incomplete Grades

- ➤ An incomplete grade I may be given for an unforeseeable emergency and justifiable reason if a student does not complete all requirements of a course.
- ➤ An incomplete can be issued only when the student is lacking a small amount of work.
- Responsibility for removal of an incomplete grade within the time granted by the instructor rests with the student.
- ➤ An incomplete grade must be made up by the date designated by the instructor on the Incomplete Grade form, but in no case later than one year from the term in which the I was issued. The student will receive a copy of the Incomplete Grade form.
- ➤ At the end of the time designated by the instructor, or no longer than one year, if the student has not completed the conditions for removal, the I will be changed to the default grade indicated on the Incomplete Grade form.
- ➤ Instructors will submit to the Admissions & Records Office a written record of the conditions for removal of the I and the default grade to be assigned in lieu of its removal. A copy of this record and related instructions will be provided to the student.
- ➤ When the student has completed the coursework, the instructor will assign the appropriate grade and notify the Admissions & Records Office. The incomplete grade | will be replaced with the appropriate grade and the student will receive notification of the grade.

Academic Renewal

Subject to the following conditions, up to 24 units of substandard grades (D's, F's and NC's) from no more than two semesters or 36 units from three quarters, (taken at any accredited college or university), may be alleviated from computation of the grade point average at Columbia College:

- Since completion of the work to be alleviated, the student must have completed a minimum of 15 semester units with at least a 3.0 cumulative GPA, 30 semester units with at least a 2.5 cumulative GPA, or 45 semester units with a least a 2.0 cumulative GPA at any accredited college or university. Renewal will not be granted if there are any grades of **D** or **F** or **NC** since the completion of the work to be alleviated.
- 2 A minimum of four semesters or six quarters must have elapsed since completion of the work to be alleviated. (Summer session is not counted toward the required semesters.)
- 3 Any student not meeting all the requirements of items number one and number two may petition the Academic Requirements Review Committee.
- 4 The student's permanent record will be annotated in such a way that all work remains legible ensuring a true and complete academic history. Columbia College will honor similar policies of accredited colleges and universities, but other transfer institutions may reject academic renewal action.
- **5** The student must submit a request for Academic Renewal Evaluation to the Director of Student Success/Matriculation. Forms are available in the Admissions & Records Office.

99/199 Independent **Study Courses**

Independent Study courses are offered to give students an opportunity to independently research specialized areas not available as regular course offerings of the College.

Independent Study courses do not appear in the catalog since these courses are designed to meet specific student interests. Independent Study courses may be made available in any subject matter area. Consult the Admissions & Records Office for specific procedures.

Conditions

To be admitted to Independent Study, a student must have:

- completed 12 units in residence and have a grade point average of 2.5 whether cumulative or for the previous semester as a full-time student.
- written approval of the instructor directing the student's Independent Study, and written verification by an Admissions & Records staff member that the maximum credit limitation for Independent Study will not be exceeded and that the student qualifies. Maximum unit value for any Independent Study course for any one semester will be three units of credit.

Limitations

The following limitations apply to Independent Study courses:

- Registration is restricted to one Independent Study course per semester.
- An overall maximum of 7 units of credit completed will be allowed for Independent Study.

Students who intend to transfer are advised that Independent Study credit will count for elective credit only at the CSU campuses. Independent Study credit may not fulfill either major or general education breadth requirements at UC/CSU campuses. UC campuses require preapproval for an Independent Study for elective credit.

Credit/No Credit Grading (CR/NC)

- ➤ Some transfer institutions will not accept CR/NC grading symbols.
- ➤ A student may choose a Credit/No Credit (CR/NC) option in courses for which letter grades are issued.
- ➤ A student has 30% of the length of the course to submit the Credit/No Credit grading option form. (California Administrative Code, Title 5, Section 55752)

- ➤ A student has 30% of the length of the course to rescind the written
- ➤ Student performance equivalent to A. B. or C work will equate to a Credit (CR) grade.
- > Student performance equivalent to D or F work will equate to a Non-Credit (NC) grade.
- ➤ A CR or NC grade will be recorded on a student's transcript.
- ➤ A CR or NC grade may not be converted to a letter grade.
- ➤ Credit (CR) units may not be applied toward a student's major for the Associate Degree nor toward completion of a certificate program unless the course is offered for CR/NC grading only.
- ➤ Credit (CR) units are accepted toward completion of the general education requirements for the Associate Degree.
- > CR/NC units are *not* computed in determining a student's grade point average at Columbia Col-
- ➤ Units attempted for which **NC** is recorded are counted in determining progress probation and progress dismissal.
- ➤ The maximum number of credit semester units, earned under the **CR/NC** grading option, that may be counted toward the Associate Degree is 14.
- ➤ Courses offered for **CR/NC** grading only are excluded from the maximum of fourteen units counted toward the Associate Degree.
- ➤ Students may only opt for **CR/NC** grading in one class per semester.
- ➤ For courses designated as CR/NC grading only and no letter grade, there is no limit to the number of courses in which enrollment is allowed each semester.
- ➤ A student can obtain the Credit/ No Credit grading form on the web at www.gocolumbia.org, from the Admissions & Records Office, or the Calaveras Center. The form must be returned to the Admissions Office on or prior to the deadline. Mailed or faxed forms received after the deadline will not be accepted.

➤ Exception to the CR/NC standards must be petitioned to the Academic Requirements Review Committee.

Credit by Examination (Course Challenge)

A student may challenge certain specifically designated courses by examination and obtain credit. Grades and grade points are entered on the student's transcript of record in the same manner as for regular courses of instruction. The intent of this provision is to enable students to pursue courses of study at an accelerated rate and to encourage independent study. In addition, it recognizes training or experience for which credit or advanced standing was not previously granted.

Conditions and Limitations

Only Columbia College courses may be challenged by examination. Credit granted by examination at accredited colleges will be accepted: such credit will be included in the maximum allowed by examination. The following are the conditions and limitations:

- These courses shall be excluded from credit by examination: Pre-collegiate level courses **Basic Skills courses** Laboratory courses Activity courses.
- Credit by Examination courses must be awarded a letter grade (A, B, C, D, F) except for courses that have only Credit/No Credit grades (CR/NC).
- A student may not repeat a course taken by examination.
- A student may not take a course for examination that has already been taken for a grade.
- A student may not take a course by examination if that student has already completed a more advanced course in the subject matter unless approved by the Academic Requirements Review Committee.
- Courses taken through Credit by Examination may not be counted

- as meeting the residence requirement for a degree. (Title 5, Sec. 55753)
- Courses taken through Credit by Examination may not be considered as part of the student's program for enrollment verification purposes.
- A student taking a course by examination will be charged the regularly established enrollment fee per unit.
- A student may not take more than one course by examination per semester.
- A student may not earn more than 12 units of academic credit through Credit by Examination.

Eligibility

Students must be registered in at least one other Columbia College credit course for a minimum of three units during the semester when another course is being taken by examination.

Students must also have completed at least 12 units of previous coursework at Columbia College with a cumulative grade point average of

Procedure

Please contact the Admissions & Records Office for the form and procedural information.

Advanced Placement Examination Credit

Columbia College will award credit for fulfillment of the Associate Degree General Education, Major requirements, and/or those for the Certificates of Achievement. Please see a counselor or the Admissions & Records Evaluator for information regarding how credit for Advanced Placement examinations will be awarded. (See page 62 for listing of accepted test and awarded credit).

College Level Examination Program (CLEP)

Credit for College Level Examination Program (CLEP) exams is not awarded at Columbia College.

College Credit From Other Institutions

Previously earned lower division degree applicable or transfer college or university units will be accepted if the institution is accredited by one of the following accrediting bodies: Middle States Association of Colleges and Schools (MSA), The Northwest Association of Schools and Colleges (NASC), North Central Association of Colleges and Schools (NCA), New England Association of Schools and Colleges, Inc./Commission on Institutions of Higher Education (NEASC-CIHE), Southern Association of Colleges and Schools/Commission on Colleges (SACS-CC), Western Association of Schools and Colleges/ Accrediting Commission for Community and Junior Colleges (WASC-JR), Western Association of Schools and Colleges/Accrediting Commission for Senior Colleges and Universities (WASC-SR). A maximum of 15 semester units will be allowed for courses taken by correspondence from accredited institutions. No credit will be awarded for developmental or skills classes.

Credit for Military Service

Armed forces personnel or veterans with a minimum of one year of satisfactory service may receive:

- ➤ Two semester units of elective credit and waive institutional physical activity requirements for graduation.
- ➤ Credit for military service schools in accordance with credit recommendations published by the American Council on Education.
- ➤ Credit for certain USAFI lower division college level courses. Provisions for granting credit to armed forces personnel and veterans are subject to the following conditions:
- ➤ At least 12 semester units of work must be completed at Columbia College before a student may receive credit.
- ➤ Credit will not be granted for military service or military service schools where comparable units have been earned in courses previously taken.

- ➤ A maximum of 20 units of military coursework will be evaluated for acceptance as transfer credit.
- Credit granted to armed forces personnel and veterans by another institution is subject to re-evaluation by Columbia College.

Academic Requirements Review Committee

A petition process is available to students through the Academic Requirements Review Committee. Should there be a question regarding course waivers, substitution, or exceptions to academic standards established by the College, students may petition for review to this committee. Contact the Director of Student Success/Matriculation for procedures.

Classification of Students

While the minimum full-time program that will qualify a student for graduation in two years is 15 units per semester, the following classifications have been established:

Full-time

Registered for 12 or more units per semester

Freshman

Fewer than 30 degree or transfer units completed

Sophomore

30 or more degree or transfer units completed

For the purpose of Financial Aid, 12 units are considered full-time Summer, Fall, Spring.

Total units required for completion of an Associate in Arts, Associate in Science or Associate in Science (Occupational Education) Degree, is 60 units. Units earned in Skills Development classes (Courses numbered 200 and above) are not counted as part of this 60 unit requirement.

Attendance

Students are responsible for making arrangements with their instructors to complete all coursework missed.

An instructor has the prerogative to lower a student's grade because of excessive absence.

Absence from the first class meeting may cancel registration in the

course. An instructor may drop a student if the student is not in attendance on the first day of class.

Student Load

A student who decides to carry more than 18 units during the fall or spring term, or 12 units during the summer session, must secure written approval from a counselor or the Vice President. Students on progress or academic probation will be limited to a unit load established by the Vice President.

Final Examinations

Students are responsible for taking final examinations at the time scheduled unless prior arrangements are made with the instructor.

Final grades are considered permanent. The determination of instructor issued grades are final in the absence of mistake, fraud, bad faith, or incompetency.

Scholastic Honors

For Graduation: Graduating students who have earned a cumulative Grade Point Average of 3.75 or better in all degree and transferable college work are awarded the Associate Degree With Distinction. Students whose cumulative Grade Point Average is between 3.50 and 3.74 are awarded the Associate Degree With Honors.

By Term: Students who complete a minimum of 12 degree applicable units in a semester with a G.P.A. of 3.5 and no grade below a C are awarded "Dean's List" for that particular semester. This honor becomes a part of the official academic record as it appears on the official academic transcript below the semester the honor was achieved.

Satisfactory Progress

A student whose cumulative Grade Point Average is 2.0 (**C** average) or better is scholastically in good standing. All units and grade points are counted on a cumulative basis. The method of computing Grade Point Averages follows.

Grade Reports

Students may obtain their final semester grades on the College website approximately 10 working days after the semester ends. Additionally, students may obtain all classes and grades completed at Columbia College since 1985. All outstanding obligations must be cleared to obtain transcripts or access grades.

Grading Scale

A - 4 grade points per unit

- 3 grade points per unit

- 2 grade points per unit

- 1 grade point per unit

- 0 grade points per unit

Not included in computing GPA, but may be used in determining progress probation and dismissal:

W - Withdrawal

Incomplete

CR - Credit

NC - Non-Credit

In Progress

Grade Point Average

The grade point average (GPA) is determined by the following formula:

Total Grade Points Total Units Attempted

Example: A student who earns five units of A, four units of B, three units of C, two units of D, and two units of F would compute GPA as follows:

5 units $\mathbf{A} \times 4 = 20$ grade points 4 units $\mathbf{B} \times 3 = 12$ grade points 3 units $\mathbf{C} \times 2 = 6$ grade points

2 units $\mathbf{D} \times 1 = 2$ grade points 2 units $\mathbf{F} \times 0 = 0$ grade points 16 units 40 grade points

40 Grade Points GPA = 40 diade 1 silver | 16 Units Attempted = 2.50

Units which are assigned for grades of W, I, CR, NC, or IP are not counted in computing the grade point average but may be used in determining progress probation and dismissal.

In calculating students' degree applicable grade point averages, grades earned in nondegree - applicable courses will not be included.

Probation & Dismissal for Academic **Deficiencies**

Academic Deficiencies

The purpose of Academic Probation and Dismissal at Columbia College is to ensure that students who are deficient in scholastic achievement, on the basis of either cumulative or semester grade point average (GPA), will receive special counseling and advisement. Computation of the GPA is based on all units attempted at Columbia College excluding those taken on a Credit/No Credit basis.

Academic Probation Status

After having attempted a minimum of 12 semester units at Columbia College, a student shall be placed on Academic Probation status for the semester following any term in which his/her GPA falls below 2.0.

Academic Dismissal Status

The second consecutive semester that a student fails to maintain a 2.0 cumulative GPA, the student is placed on academic dismissal status. A student will also be placed on Academic Dismissal if, while on academic probation, his/her semester GPA falls below 1.5 or his/her cumulative GPA falls below 1.75.

Progress Deficiencies

The purpose of Progress Probation and Dismissal status at Columbia College is to ensure that students who fail to complete a majority of the courses they attempt will receive special counseling and advisement.

Progress Probation Status

After having enrolled in a total of at least 12 semester units at Columbia College, a student shall be placed on Progress Probation status for the semester following any term in which grades of W, I and NC (No

Credit) are recorded for 50% or more of all units enrolled.

Progress Dismissal Status

A student will be placed on Progress Dismissal status if that student is on Progress Probation for two consecutive semesters.

Students who are on Academic or Progress Probation/Dismissal are required to do the following:

- 1. Obtain written approval from a counselor prior to registration. Registration must be done at the Admissions & Records Office only.
- 2. Complete an Academic/Progress Probation/Dismissal Contract with a counselor of their choice preferably prior to the start of the term, and no later than the first week of the term.
- **3.** Comply with the following unit limitation:

Probation Status: Enrollment limit of 12 units maximum per

Dismissal Status: Enrollment limit of 8 units maximum per term

- 4. Enroll in and successfully complete Guidance 100, College Survival or, if applicable, another guidance course as per counselor recommendation. Note: These units are included in the unit limitation above.
- **5.** Request that all current instructors complete a monthly Student Academic Performance Report form.
- **6.** Take the completed form to monthly counseling meetings with assigned counselor.

Academic Probation and Dismissal status will be noted on the student's permanent record.

The College may disqualify a student on Academic Dismissal or Progress Dismissal from enrolling in courses for a period of one year if, in the judgment of the counselor and the Vice President, the student is not making appropriate progress after being placed in either status. A disqualified student may be readmitted by special petition to the Vice President. See Reinstatement After Disqualification.

Reinstatement After Disqualification

A disqualified student may not be reinstated under the admissions provision until one semester from the date of disqualification. If the GPA of a student readmitted after disqualification falls below 2.0 for the following semester, the student may be permanently disqualified.

In the event of disqualification a student may petition for readmission on the basis of the following circumstances that might warrant an exception:

- ➤ Evidence of consistent improvement in the student's record.
- ➤ A change from one major to a field of study more appropriate to the
- ➤ Circumstance in the personal life of the student which the counselor of the student believes may have been of sufficient gravity to adversely affect the performance of the student.
- ➤ The recommendation of the student's physician that the continuance in college would be of sufficient therapeutic benefit to warrant the granting of an additional opportunity.

If a student has been disqualified and feels that there are extenuating circumstances worthy of consideration, a request in writing may be made to the Vice President that the one semester period of dismissal be waived.

Withdrawal From College

A student wishing to withdraw from the College is responsible for dropping all classes by touch-tone telephone, on the College website or by completing the drop form at the Admissions & Records Office or the Calaveras Center. Failure to do so may result in F grades recorded on the student's transcript.

ertificate programs are designed to prepare vocational students for employment. Requirements of each certificate have been determined by the faculty offering the program with the help of their advisory committees.

For students entering Columbia College for the first time in Fall 2004, the following certificate requirements are valid through the 2007-08 academic year. A student taking more than four years of continuous attendance to complete a certificate may only use certificate requirements in effect up to four years prior to the date of completion.

In order to qualify for a certificate, a student must complete all courses listed in the certificate, with a grade of **C** or better. Credit (CR) grades are not accepted. No more than 30 percent of the courses required for the certificate may be fulfilled with parallel courses completed at other accredited institu-

Units earned in obtaining a certificate may be applied toward the 60 units required for an Associate Degree.

Certificates of Achievement are offered in the following disciplines:

Automotive Technology

Automotive Maintenance Technician Automotive Service Technician

Business Administration

Accounting

Management

Retailing

Child Development

Associate Child Development Teacher Child Development

Computer Science

Applied Computer Studies-Business Emphasis **Computer Science** Geographic Information Systems (GIS) Management Information Systems Website Development

Emergency Medical Services

Emergency Medical Services Emergency Medical Technician Training First Responder

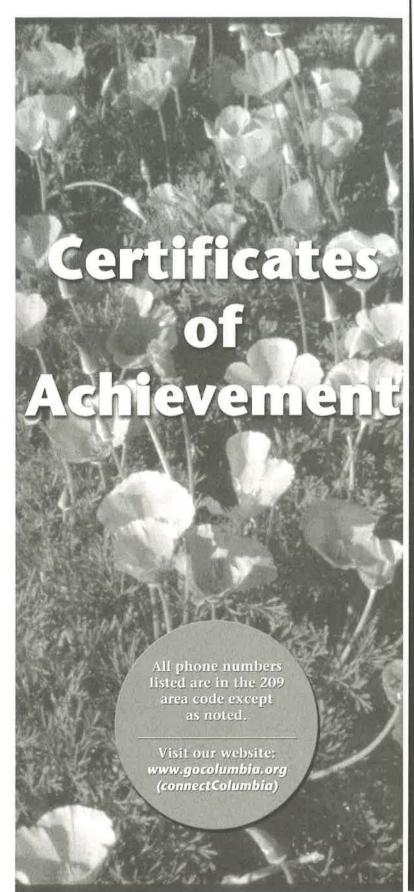
Fire Technology **Forestry Technology Hospitality Management**

Baker

Bartender

Chef

Deli Cook & Baker



Columbia College 2004-05 Catalog

Dining Room Management
Dining Room Staff
Dinner Line Cook
Hotel Management
Pantry & Dessert Chef
Restaurant Management
Safety & Sanitation
Eco-Adventure/Heritage Tour Business
Travel and Tourism (Recreation)
Human Services
Natural Resources
Watershed Management Technology
Natural Resources Technology
Office Technology
Administrative Assistant
Medical Office Specialist
Medical Transcription
Office Assistant
Welding Technology
Completion of Contificate
Completion of Certificate
In order to receive a Certificate of

Achievement, students must complete a Petition for Certificate of Achievement, available at the Admissions and Records Office or on the college website during the semester prior to completion (i.e. for Fall completion a student should submit the petition during the previous Spring semester). Consult the Academic Calendar

for filing deadline dates. Following are the specific requirements of the certificate programs listed. Completion of certain certificate programs may necessitate attending classes during evening only or a combination of both day and evening classes.

AUTOMOTIVE TECHNOLOGY

Automotive Maintenance Technician

Required Co	urses	Units
AT 97	Work Experience In Automotive Technology	1
AT 100	Introduction to Automotive Technology	4
AT 101	Automotive Braking Systems I	2
AT 102	Engine Repair	5
AT 103	Practical Laboratory	
AT 110	Automotive Electrics I	
AT 111	Engine Performance I	6
At 112	Heating/Air Conditioning	3
Total Requir	ed Units	26.5
	led Optional Course	
WT 100	Introduction to Welding	3

Required Cou	ırses	Units
AT 97	Work Experience in Automotive Technology	1
AT 100	Introduction to Automotive Technology	4
AT 101	Automotive Braking Systems I	2
AT 102	Engine Repair	5
AT 103	Practical Laboratory	0.5
AT 110	Automotive Electrics I	5
AT 111	Engine Performance I	6
AT 112	Heating/Air Conditioning	3
AT 120	Suspension and Steering Automotive Braking Systems II Manual Power Train and Axles	3
AT 121	Automotive Braking Systems II	2
AT 122	Manual Power Train and Axles	3
AT 130	Automotive Electrics II	
AT 131	Engine Performance II	2
AT 132	Automatic Transmissions and Transaxles Or	3
AT 165	Clean Air Car Course & OBD II Update Training	4
Total Requir	ed Units	41.5-42.5
Recommend	led Optional Course	
	Introduction to Welding	

BUSINESS ADMINISTRATION

Accounting

Units

Required Cou	ırses	Unit
Busad 1A	Principles of Accounting and	4
Busad 1B	Principles of Accounting	4
	Or	
	Small Business Accounting I and	
	Small Business Accounting II	4
Busad 18	Business Law	
Busad 151	Finance and Investments	3
Busad 158	Payroll Accounting	3
Busad 163	Business Mathematics	4
Busad 164	Income Tax	3
Cmpsc 30	Financial Worksheets on Computers	3
Six (6) Units	Required from Computerized Accounting:	
Busad 152	Computerized Accounting	
	for Business (Quickbooks)	3
Busad 153	Computerized Accounting	
	for Business (MYOB)	3
Busad 154	Computerized Accounting	
	for Business (Peachtree)	3
Total Required	d Units	34
Recommende	d Optional Courses	
Busad 97	Work Experience in Business	.1-4
Cmpsc 1	Computer Concepts & Information Systems	
Cmpsc 3	Operating Systems	
Busad 53/	. 5	
Cmpsc 53	Project Management	3
Busad 90	Business Administration	
	Computer Applications Laboratory	.1-4

Management

Required Cou		Units
Busad 1A	Principles of Accounting and	4
Busad 1B	Principles of Accounting	
	Or	
Busad 161A	Small Business Accounting 1 and	4
Busad 161B	Small Business Accounting II	4
Busad 18	Business Law	
Busad 20	Principles of Business	3
Busad 24	Human Relations in Organizations	
Busad 30	Principles of Marketing	
Busad 40	Principles of Management	
Busad 150	Small Business Management	
Busad 163	Business Mathematics	
Cmpsc 1	Computer Concepts & Information System	ns 4
Econ 10	Principles of Economics	4
Econ 11	Principles of Economics	4
Total Required	d Units	
Recommende	d Optional Course	
Busad 97	Work Experience Minim	um 4

Retailing

rses Units		
Business Law4		
Principles of Business 3		
Human Relations in Organizations3		
Principles of Marketing3		
Basic Accounting4		
Or		
Small Business Accounting I4		
Small Business Accounting II4		
Business Mathematics4		
Computer Concepts & Information Systems 4		
Principles of Economics4		
Business Communications 3		
d Units36		
d Optional Courses		
Principles of Management3		
Busad 97 Work ExperienceMinimum		

CHILD DEVELOPMENT

Associate Child Development Teacher

8 G B	The second secon	
Required Cou	rses Unit	S
Child 1	Principles of Child Development	3
Child 16	Practicum	3
Child 22	Child, Family, Community	3
Child 3	Practices in Child Development	3
	Or	
child 28	Books for Young Children	3
	Or two of the following:	
child 10	Creative Activities in the Arts	2
Child 12	Creative Activities in Math	2
child 13	Creative Activities in Science	2
otal Required Units12-13		

Child Development

Required Cou	urses: Units
Child 1	Principles of Child Development3
Child 2	Observing & Recording Behavior1
Child 3	Practices in Child Development3
Child 7	Child Health and Safety1
Child 10	Creative Activities in the Arts2
Child 12	Creative Activities in Math2
Child 13	Creative Activities in Science2
Child 16	Practicum3
Child 22	Child, Family, Community3
Child 30	Child Care/Nursery School Administration 3
Child 105	Creative Activites in Child Nutrition2
Child 8	Early Literacy Development3
	Or
Child 19	Exceptional Needs Children3
	Or
Child 23	Guiding Children's Social Development 3
	Or
Child 25	Infant/Toddler Care3
	Or
Child 27	School Age Children3
	Or
Child 28	Books for Young Children3
Engl 151	Preparation for College Composition4
	Or
Engl 1A	Reading & Composition: Beginning3
Total Require	ed Units29-30

COMPUTER SCIENCE

Computer Science

Required Cou	urses Units
Cmpsc 3	Operating Systems3
Cmpsc 9	UNIX Operating Systems3
Cmpsc 22	Programming Concepts & Methodology I 4
Cmpsc 41	Networking Essentials 3
Electives - ch	noose two (6-8 units)
Cmpsc 15	Java Programming3
Cmpsc 24	Programming Concepts & Methodology II 4
Cmpsc 28	Visual Basic Programming3
Cmpsc 53/	
Busad 53	Project Management3
Cmpsc 55	Database Management4
General Edu	cation (8 units)
Math 18A	Calculus I: Differential Calculus4
Math 18B	Calculus II: Integral Calculus4
Total Require	d Units27-29

Applied Computer Studies-

Business Emphasis				
Required Cou	-			
Cmpsc 1	Computer Concepts & Information Systems 4			
Cmpsc 4	Windows Operating Systems Essentials			
Cmpsc 9	UNIX Operating Systems			
Cmpsc 22	Programming Concepts & Methodology I 4			
Cimpse 22	Or			
Cmpsc 15	Java Programming			
Cmpsc 28	Visual Basic Programming3			
Cmpsc 30	Financial Worksheets on Computers3			
Cmpsc 55	Database Management4			
Busad 1A	Principles of Accounting4			
Busad 1B	Principles of Accounting4			
Busad 40	Principles of Management3			
Oftec 40	Beginning Word Processing2			
Total Require	ed Units 31-32			
Recommende	ed Optional Courses			
Busad 163	Business Mathematics4			
Busad 53/				
Cmpsc 53	Project Management3			
Oftec 41	Intermediate Word Processing3			
C.	eographic Information Systems			
Required Cou				
Cmpsc 1	Computer Concepts & Information Systems 4			
Cmpsc 3	Operating Systems			
Cmpsc 60	Introduction to GIS - ArcView			
Cmpsc 65	GIS Applications			
Cmpsc 70	Intro to Raster-Based GIS			
Cmpsc 75	GIS Applications in Resource Management 3			
Draft 50A	Computer Assisted Drafting I			
Esc 5	Physical Geology4			
Geogr 15	Physical Geography3			
Engl 1A	Reading & Comp: Beginning3			
Engl 151	Preparation for College Composition4			
Fortc 153	Forest Surveying Techniques3			
Math 101	Algebra I: Fundamentals or equivalent 5 Or			
Higher level	algebra5			
Natre 1	Environmental Conservation3			
Nartc 160	Aerial Photography & Map Interpretation 2			
Total Require	ed Units			
Recommende	ed Optional Courses			
Busad 97	Work Experience (AutoCAD or GIS). minimum 4			
Cmpsc 53/				
Busad 53	Project Management3			
Cmpsc 9	UNIX Operating Systems3			
Cmpsc 55	Database Management4			
Cmpsc 58	GIS-ArcView1			
Cmpsc 59	Geographic Info & Global Positioning Systems 1-3			
Math 2	Elements of Statistics			

Fundamentals of Speech......3

Math 8

Spcom 1

Management Information Systems (Pending approval by State Chancellor's Office)

Required Cou	ırses:	Units
BusAd 20	Principles of Business	3
Cmpsc 1	Computer Concepts & Information System	
Cmpsc 51	Management Information Systems	
Cmpsc 52	E-Commerce	
Cmpsc 53	Project Management	
Cmpsc 54	Data Mining	
Cmpsc 30	Financial Spreadsheets	
Busad 30	Principles of Marketing	3
Cmpsc 17	Advanced Internet Research	
Total Require	ed Units	27-29
	ed Optional Courses:	
Busad 40	Principles of Management	3
Cmpsc 3	Operating Systems	
Cmpsc 55	Database Management	
•	Website Development	
Required Cou	urses:	Units
Cmpsc 10	Introduction to the Internet	1
Cmpsc 11	Presentations Using Computers and	
	Multimedia	1.5
Cmpsc 12	Website Development Applications	
Cmpsc 13	Intro to HTML	
Cmpsc 14	Advanced Topics Website Development	
Cmpsc 17	Advanced Internet Research	1.5
Cmpsc 53/		
Busad 53	Project Management	3
Cmpsc 149	Photoshop for the Web	
Total Require	ed Units	16-17
Recommende	ed Optional Courses	
Cmpsc 33/	and the second s	
Art 33	Computer Graphics I	3
Cmpsc 52/		
Busad 52	E-Commerce	3
Cmpsc 55	Database Management	
EME	ERGENCY MEDICAL SERVICES	HA)

Emergency Medical Services

Required Co				
EMS 4	Emergency Medical Technician Training7			
EMS 12	Pre-Paramedic Training8			
EMS 13	Adv. First Aid/Emergency Care3			
	Or			
EMS 157	First Responder & CPR3			
Total Requir	red Units 18			
	First Responder			

EMS 157 First Responder & CPR......3

Total Required Units

Required Courses

Emergency Medical Technician Training

EMS 4	Emergency Medical Technician Training7
Total Required	d Units 7
Recommende	d Optional Courses
EMS 13	Advanced First Aid & First Aid
	Emergency Care3
EMS 153	CPR & Basic First Aid 0.5
Or	
EMS 157	First Responder & CPR3

EIDE TECHNOLOGY

	FIRE TECHNOLOGY
Required Cou	urses Units
EMS 4	Emergency Medical Technician Training7
ire 101	Firefighter I Academy15
ire 106	HazMat First Responder "Operational" 1
ire 108	Confined Space Awareness 0.5
ire 110	ICS 200 Basic Incident Command System1
Total Require	ed Units24.5
Recommend	ed Optional Courses
Busad 25	Job Search & Interviewing Strategies1
Busad 163	Business Mathematics4
Cmpsc 1	Computer Concepts & Information Systems 4
Cmpsc 58	Introduction to GIS-ArcView3
H-HP 9	Circuit Cross-Training0.5-2
Oftec 100	Computer Keyboarding I1
Spcom 1	Fundamentals of Speech3
Skills Develo	pment Courses(Based upon individual need)

FORESTRY TECHNOLOGY

Required Cou	urses Units
Fores 1	Introduction to Professional Forestry3
Fores 10	Dendrology 3
Fortc 153	Forest Surveying Techniques 3
Fortc 162	Applied Forest Inventory2
Cmpsc 1	Computer Concepts & Information Systems 4
Engl 151	Preparation for College Composition4
	Or
Higher level	English3
Fire 7	Wildland Fire Control3
Math 101	Algebra I: Fundamentals5
	Or
Higher level	algebra3-5
Natre 1	Environmental Conservation 3
Natre 9	Parks and Forests Law Enforcement2
Natre 30	Introduction to Watershed Management 3
Natre 50	Natural History and Ecology2
	Or
Biol 24	General Ecology4
Nartc 160	Aerial Photography & Map Interpretation 2
Nartc 181	California Wildlife4
Total Require	ed Units
Recommende	ed Optional Courses
Oftec 100	Computer Keyboarding I1

Oftec 110 Computer Keyboarding II

	CD		ITV	15 / A A A	IAGEN	
- 10	A I	TAX III			L . Z &	

	Baker
Required Cou	
Hpmgt 120	
Hpmgt 122	
Hpmgt 134	
Hpmgt 135	Commercial Baking: Advanced2
Total Require	d Units6.5
	Bartender
Required Cou	urses Units
Hpmgt 120	Safety and Sanitation1
Hpmgt 147	Beverage Management2
, –	d Units3
	Chef
Required Cou	urses Units
Hpmgt 102	Introduction to Hospitality Careers
. 3	& Human Relations1.5
Hpmgt 104	Hospitality Laws and Regulations2
Hpmgt 120	Safety and Sanitation1
Hpmgt 122	Restaurant Math1
Hpmgt 126	Nutrition for Chefs1
Hpmgt 128	Kitchen Management3
	Introduction to Commercial Food Preparation 3
	3 Commercial Food Preparation4
Hpmgt 134	Commercial Baking: Beginning2.5
Hpmgt 136	Dining Room Service and Management I 2
Hpmgt 140	Contemporary Cuisine
Hpmgt 141	Restaurant Desserts2
Hpmgt 142	Garde Manger1
Hpmgt 146	Dining Room Service and Management II 2
Hpmgt 148	Introduction to Wines2
Hpmgt 190	Culinary Arts Internship2
Total Require	d Units33.5
	Deli Cook & Baker
Required Cou	
	Hospitality Laws and Regulations2
	Safety and Sanitation1
Hpmgt 122	
	A Intro to Commercial Food Preparation
Hpmgt 134	Commercial Baking: Beginning2.5
Hpmgt 142	
Total Require	d Units10.5

Required Courses Units Hpmgt 102 Introduction to Hospitality Careers & Human Relations
Hpmgt 102 Introduction to Hospitality Careers & Human Relations
& Human Relations
Hpmgt 104 Hospitality Laws and Regulations
Hpmgt 120 Safety and Sanitation
Hpmgt 122 Restaurant Math
Hpmgt 136 Dining Room Service and Management I 2 Hpmgt 146 Dining Room Service and Management II 2 Hpmgt 148 Introduction to Wines 2 Total Required Units 11.5 Dining Room Staff Required Courses Units Hpmgt 120 Safety and Sanitation 1
Hpmgt 146 Dining Room Service and Management II2 Hpmgt 148 Introduction to Wines
Hpmgt 148 Introduction to Wines
Total Required Units
Required Courses Units Hpmgt 120 Safety and Sanitation1
Required Courses Units Hpmgt 120 Safety and Sanitation
Hpmgt 120 Safety and Sanitation1
Hpmgt 122 Restaurant Math1
Hpmgt 136 Dining Room Service and Management I2
Total Required Units4
Dinner Line Cook
Required Courses Units
Hpmgt 102 Introduction to Hospitality Careers & Human
Relations1.5
Hpmgt 104 Hospitality Laws and Regulations2
Hpmgt 120 Safety and Sanitation1
Hpmgt 122 Restaurant Math1
Hpmgt 126 Nutrition for Chefs1
Hpmgt 128 Kitchen Management3
Hpmgt 133A Introduction to Commercial Food Preparation 3
Hpmgt 133B Commercial Food Preparation4
Hpmgt 134 Commercial Baking: Beginning2.5
Hpmgt 136 Dining Room Service and Management I2
Hpmgt 142 Garde Manger1
Total Required Units22
Hotel Management
Required Courses Units
Hpmgt 20 Intro to Leisure, Travel and Tourism3
Hpmgt 97 Work Experience2
Hpmgt 102 Introduction to Hospitality Careers
& Human Relations1.5
Hpmgt 104 Hospitality Laws and Regulations2
Hpmgt 112 Front Office Mgmt/Hotel Catering2
Hpmgt 114 Intro to Maintenance and Housekeeping 1.5
Hpmgt 152 Restaurant Planning
Busad 1A Principles of Accounting4 Or
Busad 160 Basic Accounting4

Oftec 5 Electronic Printing Calculators......1

Recommended Optional Course

Pantry & Dessert Chef		
Required Coul	rses Units	
Hpmgt 102	Introduction to Hospitality Careers	R
	& Human Relations1.5	F
Hpmgt 104	Hospitality Laws and Regulations2	
Hpmgt 120	Safety and Sanitation1	H
Hpmgt 122	Restaurant Math1	F
Hpmgt 126	Nutrition for Chefs1	
Hpmgt 128	Kitchen Management3	
Hpmgt 133A	Introduction to Commercial Food Preparation 3	Н
Hpmgt 133B	Commercial Food Preparation4	
Hpmgt 134	Commercial Baking: Beginning2.5	H
Hpmgt 136	Dining Room Service and Management I2	
Hpmgt 140	Contemporary Cuisine3.5	Н
Hpmgt 141	Restaurant Desserts2	Н
Hpmgt 142	Garde Manger1	Н
Hpmgt 148	Introduction to Wines2	Н

Total Required Units29.5

Certificates of Achievement

Restaurant Management	
Required Courses Units	
Busad 1A Principles of Accounting4	
Or	
Busad 160 Basic Accounting4	
Or	
Busad 161A Small Business Accounting I4	
Hpmgt 97 Work Experience2	
Hpmgt 102 Introduction to Hospitality Careers & Human	
Relations 1.5	
Hpmgt 104 Hospitality Laws and Regulations2	
Hpmgt 120 Safety and Sanitation 1	
Hpmgt 122 Restaurant Math1	
Hpmgt 126 Nutrition for Chefs1	
Hpmgt 128 Kitchen Management 3	
Hpmgt 133A Introduction to Commercial Food Preparation 3	
Hpmgt 133B Commercial Food Preparation4	
Hpmgt 134 Commercial Baking: Beginning2.5	
Hpmgt 136 Dining Room Service and Management I 2	
Hpmgt 147 Beverage Management2	
Hpmgt 152 Restaurant Planning3	
Total Required Units32	
Recommended Optional Course	
Hpmgt 148 Introduction to Wines2	
Safety & Sanitation	

Required Cours	es	Units
Hpmgt 120	Safety and Sanitation	1
	Units	

Eco-Adventure/Heritage Tour Business (Pending Approval by State Chancellor's Office)

5 11			
Required Courses: Units			
Hpmgt 10	Introduction to Recreation and Leisure3		
	Or		
Hpmgt 20	Introduction to Leisure Travel and Tourism 3		
Hpmgt 30	Geography of Travel and Tourism:		
	W. Hemisphere3		
	Or		
Hpmgt 31	Geography of Travel and Tourism:		
	E. Hemisphere3		
Hpmgt 162	Introduction to Tourism, Marketing,		
	Sales, Service3		
Hpmgt 163	Applied Marketing for the Travel Business 3		
Ipmgt 165	Eco-Adventure/Heritage Travel Business Dev 3		
Ipmgt 166	Tour Planning, Design and Packaging		
Ipmgt 167	Tour Guiding and Leadership3		
otal Required Units21			
Travel And Tourism (Recreation)			
Required Cou			
	Introduction to Recreation and Leigure 3		

Total Regulied Offics			
Ti	ravel And Tourism (Recreation)		
Required Courses: Units			
Hpmgt 10	Introduction to Recreation and Leisure 3		
Hpmgt 20	Introduction to Leisure Travel and Tourism 3		
Hpmgt 30	Geography of Travel and Tourism:		
	Western Hemisphere3		
	Or		
Hpmgt 31	Geography of Travel and Tourism:		
	Eastern Hemisphere3		
Hpmgt 162	Introduction to Tourism Marketing, Sales,		
	And Customer Service3		
	Or		
Hpmgt 163	Applied Marketing for the Travel Business 3		
Hpmgt 164	Tourism Planning and Impacts3		
	Or		
Hpmgt 165	Eco-Adventure/Heritage Travel Business		
	Development3		
Hpmgt 168	Developing a Hospitality/Tourism/Recreation		
	Career Path and Portfolio2		
	Or		
Hpmgt 169	Capstone Course: Tourism/Recreation2		
Total Required Units17			

HUMAN SERVICES

Required Cou	urses Units	
Cmpsc 1	Computer Concepts & Information Systems 4	
Guide 10A	Introduction to Helping Skills1.5	
Guide 10B	Intermed Helping & Basic Conflict	
	Mgmt Skills1.5	
Oftec 131	Office Procedures & Technology3	
Psych 30	Personal and Social Adjustment3	
Socio 5	Ethnicity & Ethnic Relations in America3	
Socio 12	Sociology of the Family3	
	Or	
Child 22	Child, Family, Community3	
Socio 97	Work Experience1	
Child 1	Principles of Child Development3	
	Or	
Guide 1	Career/Life Planning3	
	Or	
Psych 1	General Psychology3	
	Or	
Socio 1	Introduction to Sociology3	
Total Required Units		
Recommended Optional Courses		
Psych 35	Intro to Drugs & Behavior3	
Spcom 1	Fundamentals of Speech3	

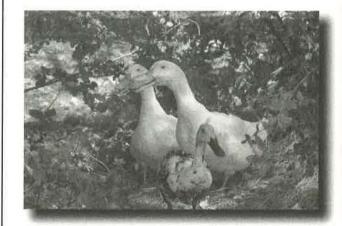
NATURAL RESOURCES

Watershed Management Technology

	3,
Required Co	urses Units
Cmpsc 1	Computer Concepts & Information Systems 4
Esc 5	Physical Geology4
	Or
Esc 10	Environmental Geology3
	Or
Geogr 15	Physical Geography3
Fores 10	Dendrology 3
Fortc 153	Forest Surveying Techniques3
Natre 3	Natural Resources Law and Policy3
	Or
Natre 9	Parks and Forests Law Enforcement2
Natre 22	Ecology/Use of Fire2
Natre 30	Introduction to Watershed Management 3
Natre 50	Natural History and Ecology2
	Or
Biol 24	General Ecology4
Nartc 160	Aerial Photography & Map Interpretation 2
Nartc 181	California Wildlife4
Plus Option	A Or Option B
Option A:	
Cmpsc 60	Introduction to GIS - ArcView3
Draft 50A	Computer Assisted Drafting I3
Option B:	
Cmpsc 70	Intro to Raster-Based GIS3
Cmpsc 75	GIS Applications in Resource Management 3
Total Doguie	ad Unite

NATURAL RESOURCES TECHNOLOGY

Required Courses			
Natre 1	Environmental Conservation	3	
Natre 9	Parks and Forests Law Enforcement		
Natre 30	Introduction to Watershed Management	3	
Natre 50	Natural History and Ecology		
	Or		
Biol 24	General Ecology	4	
Nartc 155	Interpretive Guided Tours	2	
Nartc 160	Aerial Photography & Map Interpretation	2	
Nartc 181	California Wildlife	4	
Biol 179	Fishing and Fisheries	1	
Esc 10	Environmental Geology	3	
	Or		
Esc 25	Geology of National Parks	3	
Engl 151	Preparation for College Composition	4	
	Or		
Higher level	English	3	
Fire 7	Wildland Fire Control	3	
Fores 1	Introduction to Professional Forestry	3	
Fores 10	Dendrology		
Fortc 153	Forest Surveying Techniques	3	
Math 101	Algebra I: Fundamentals or equivalent Or	5	
Higher level	math course	3-5	
	d Units40		
Recommended Optional Courses			
Oftec 100	Computer Keyboarding I	1	
	Or		
Oftec 110	Computer Keyboarding II	2	



OFFICE TECHNOLOGY

Certificates of Achievement

Administrative Assistant

Required Courses Un		
Oftec 5	Electronic Printing Calculators	
Oftec 20	Machine Transcription2	
Oftec 40	Beginning Word Processing2	
Oftec 41	Intermediate Word Processing3	
Oftec 42	Desktop Publishing I	
Oftec 97	Work Experience in Office Technology2	
Oftec 120	Computer Keyboarding III3	
Oftec 125	Records Management and Filing Applications . 2	
Oftec 130	Business English3	
Oftec 131	Office Procedures and Technology3	
Oftec 132	Business Communications3	
Busad 1A	Principles of Accounting4	
	Or	
Busad 161A	Small Business Accounting I4	
Busad 40	Principles of Management3	
Busad 138	Excel Spreadsheets1.5	
Cmpsc 10	Introduction to the Internet1	
Cmpsc 11	Presentations Using Computers	
	and Multimedia1	
Cmpsc 155	Access1	
Guide 25/ Busad 25	Job Search and Interviewing Strategies1	
	d Units39.5	
	ed Optional Courses	
Busad 53/	ed Optional Courses	
	Project Management3	
Cmpsc 53	Fundamentals of Speech	
Spcom 1	Fundamentals of Speech3	
	Iditional requirement for this Certificate is a	
	ord-per-minute speed and accuracy competency	
	monstrated by a five (5) minute timed writing,	
withir	n one (1) year of obtaining the Certificate.	

Office Assistant

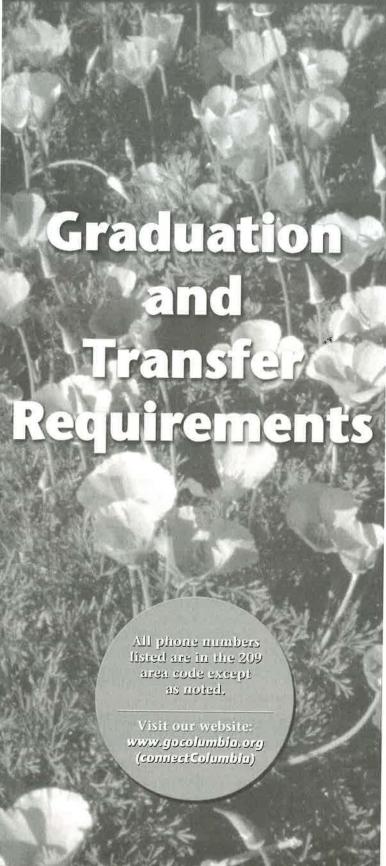
Oftec 5	Electronic Printing Calculators1
Oftec 40	Beginning Word Processing2
Oftec 41	Intermediate Word Processing3
Oftec 97	Work Experience in Office Technology2
Oftec 110	Computer Keyboarding II2
Oftec 125	Records Management and Filing Applications. 3
Oftec 130	Business English 3
Oftec 131	Office Procedures and Technology3
Oftec 132	Business Communications3
Cmpsc 10	Introduction to the Internet1
Cmpsc 11	Presentations1
Cmpsc 155	Access1
Busad 25 or	Guide 25 Job Search1
Busad 138	Excel Spreadsheets1.5
Busad 163	Business Mathematics 4
Total Require	d Units31.5
,	

Recommended Optional Courses		
	Cmpsc 1	Computer Concepts and
		Information Systems4
	Oftec 120	Computer Keyboarding III3
	Note: An ac	dditional requirement for this Certificate is a 40-
	word	I-per-minute speed and accuracy competency
		monstrated by a five (5) minute timed writing,
	l withi	n one (1) year of obtaining the Certificate.

within one (1) year or obtaining the Certificate.			
Medical Office Specialist			
Required Courses Unit			
Oftec 40	Beginning Word Processing2		
Oftec 50	Medical Terminology3		
Oftec 52	Medical Insurance3		
Oftec 53A	Medical Transcription2		
Oftec 125	Records Management & Filing Applications3		
Oftec 130	Business English3		
Oftec 132	Business Communications3		
Oftec 151	Medical Office Management3		
Oftec 190	Medical Office Internship1.5		
Busad 135	Computeriized Accounting (Quickbooks)2		
Busad 138	Excel Spreadsheets1.5		
Guide 25 or			
Busad 25	Job Search & Interviewing1		
EMS 153	CPR & Basic First Aid0.5		
Total Require	ed Units28.5		
Recommend	ded Optional Courses		
Busad 161	Small Business Accounting4		
Cmpsc 1	Computer Concepts and Information Systems 4		
	Medical Transcription		
Required Con	urses Units		
Oftec 40	Beginning Word Processing2		
Oftec 41	Intermediate Word Processing3		
Oftec 50	Medical Terminology3		
Oftec 53A	Beginning Medical Transcription2		
Oftec 53B	Beginning Medical Transcription2		
Oftec 54	Radiology Transcription1		
Oftec 55	Cardiology Transcription1		
Oftec 56	Orthopedic Transcription1		
Oftec 57	Gastroenterology Transcription1		
Oftec 58	Pathology Transcription1		
Oftec 120	Computer Keyboarding III3		
Oftec 130	Business English3		
Cmpsc 1	Computer Concepts & Information Systems 4		
Total Requir	ed Units27		

WELDING TECHNOLOGY

equired Cou	rses	Units
VT 100	Intro to Welding	3
VT 101	Practical Laboratory	1
VT 110	M.I.G./T.I.G. Welding	3
VT 111	Advanced Arc Welding Techniques	3
VT 97	Work Experience in Welding	2
otal Require	d Units	12



olumbia College will confer an Associate in Arts, Associate in Science, or Associate in Science (Occupational Education) Degree upon completion of the following requirements. The Associate in Arts Degree is earned in areas such as Fine Arts, Humanities, Social and Behavioral Science, and is often awarded to students who plan to transfer to a four-year institution. The Associate in Science Degree is awarded in Science and Technical fields, and is specifically designed for students who intend to transfer to a four-year institution. The Associate in Science (Occupational Education) **Degree** is earned in occupational programs that provide students with skills and training for immediate entry into the workforce.

- 1. TOTAL UNITS: Satisfactory completion of 60 degree-applicable semester units from courses numbered 1-199, of which 12 must be taken at a college in the Yosemite Community College District (either Columbia or Modesto Junior College). Units earned in remedial and Skills Development unit courses do not count in the 60 unit require-
- **SCHOLARSHIP:** A cumulative Grade Point Average of not less than 2.0 (C average) and no grade lower than C in major classes and General Education areas A.1, A.2, A.3 and
- MAJOR: Satisfactory completion of any AA/AS/AS(OE) major listed on pages 45-58. Students completing these degree majors will have completed at least 18 units in a single discipline or related discipline. (Title 5 section 55806) All courses in the major must be completed with a C or better. Credit (CR) grades are not accepted. More than one Associate Degree may be awarded to a student who completes all applicable requirements as listed above plus 12 extra units (72 or more total semester units). A course may only be used to meet the requirements for two different majors when no other course selections are available.
- 4. GENERAL EDUCATION BREADTH REQUIRE-**MENTS:** Satisfactory completion of each Area of General Education "A" thraough "E", by choosing suitable courses from those listed under each Area on pages 41 and 42. Courses in areas A.1, A.2, A.3 and B.4 must be completed with a grade of C or better. Students wishing to transfer to a California State University may follow the requirements listed in the right-hand column. Students who do not expect to

transfer, but wish to graduate from Columbia College with the AA, AS, or AS (OE) Degree should follow the requirements listed in the appropriate left-hand column. The courses suitable to satisfy both patterns are listed in the center column. Transfer students are encouraged to satisfy both patterns at the same time by careful selection of courses, in order to graduate with the AA, AS, or AS (OE) Degree as well as transfer to a CSU campus. CSU/UC transfer students should refer to pages 59-64 for an alternative method of completing transferable General Education Requirements.

5. COMPETENCY REQUIREMENTS: State Law mandates that students earning the Associate Degree must meet competency requirements in reading, composition, and mathematics. These requirements may be met by completing the following courses with a grade of C or better:

Enal 1A, Reading and Composition: Beginning

Busad 163, Business Mathematics, Math 100B, Algebra I: Second Half Or

Math 101, Algebra I: Fundamentals, or any mathematics course of a higher level than Algebra I.

They may also be met through completion of a challenge examination with a grade of C or better.

6. INSTITUTIONAL REQUIREMENT: Two physical activity courses under Health & Human Performance are required. These courses are in addition to Area E of the General Education Breadth pat-

Supplementary Notes

1. These requirements for graduation and General Education apply to Associate Degree and CSU transfer students entering Columbia College for the first time in Fall Semester 2000, and are valid through the 2004-05 academic year. Students continuously enrolled may continue to follow their older catalog, but those taking more than four years of continuous attendance

to graduate must use graduation requirements not older than four years.

- 2. Request for Waiver or Substitution: Request for waiver or substitution of any graduation requirement must be petitioned to the Academic Requirements Review Committee.
- 3. Double-counting units: Courses used to satisfy General **Education Breadth Requirements** may also be used to satisfy major requirements for the Associate Degree.
- 4. California law includes a requirement in U.S. History and Government for the CSU transfer student pursuing the BA/BS Degree. Completion of the two specified courses from D.3 will meet the requirement, but only three units will be credited toward the 39 CSU certified General Education units. (Units above 39 will count instead for elective credit.) Some California State University campuses place the U.S. History and Government requirement outside the General Education requirement, while others include it within. Some CSU campuses require one U.S. History course and one Government course while others accept two courses in U.S. History. Consult the catalog of the California State University campus to which you will transfer, or see your counselor for clarification. (See pages 41 and 42 for specific Associate Degree General Education Requirements.)
- 5. Students should consult the appropriate catalog of the college to which they intend to transfer and seek assistance from a counselor to ensure that all possible required lower division general education courses and prerequisites for the major are included in their Columbia College program of study.
- Columbia College will automatically send a Lower Division General Education Certification when a student requests his/her transcript to be sent to a CSU campus.

Notice Of Intent To Graduate

The student must file a Notice of Intent to Graduate form with the Admissions & Records Office the semester prior to the semester in which completion of the graduation requirements is expected. The Notice of Intent to Graduate form may be obtained from the Admissions & Records Office or online at www.gocolumbia.org (connectColumbia). Graduation requirements may be completed during any college term, but diplomas are conferred only at graduation exercises at the close of the Spring Semester. It is strongly recommended that students see a counselor the semester prior to the term they graduate to review their progress toward fulfilling all requirements.

Transfer Requirements To A **California State University**

Columbia College will send certification of General Education Breadth Requirements to the California State University campus to which the student transfers. Full certification consists of not less than 39 semester units from Areas "A" through "E". In addition, the following transfer requirements and information apply (See pages 41-42, 59-65).

- 1. TOTAL UNITS: Satisfactory completion of 60 to 70 transferable semester units from courses numbered 1-99. If you wish to transfer with fewer than 60 transferable units, you must submit satisfactory test scores from either the Scholastic Aptitude Test (SAT) or American College Testing Program (ACT). For possible exemption from ACT and SAT tests, see the catalog of the college to which student plans to transfer. Transfer requirements vary from campus to campus within both CSU and UC systems. You are required to complete 60 transferable units in order to attain full junior status upon transfer. Contact a counselor for specific requirements relative to your transfer choice.
- 2. **SCHOLARSHIP:** A cumulative Grade Point Average of not less than 2.0 (C average).

General Education Breadth Requirements

- 3. MAJOR: Satisfactory completion of lower division prerequisites for the BA/BS major listed in an articulation agreement or the catalog of the California State University transfer campus.
- 4. GENERAL EDUCATION BREADTH REQUIREMENTS: Satisfactory completion of each Area of General Educa3. California law includes a requirement in U. S. Histion "A" through "E", by choosing suitable courses from those listed under each Area on pages 41 and 42.

Students wishing to transfer to a California State University may follow the requirements listed in the right-hand column. Students who do not expect to transfer, but wish to graduate from Columbia College with the AA, AS, or AS (OE) Degree, should follow the requirements listed in the left-hand column. The courses suitable to satisfy both patterns are listed in the center column. Transfer students are encouraged to satisfy both patterns at the same time by careful selection of courses, in order to graduate with the AA, AS, or AS (OE) Degree as well as transfer to a CSU campus. CSU/ UC transfer students should refer to pages 59-65 for further information.



Supplementary Notes

1. Transfer students also have the option of completing the Intersegmental General Education Transfer Curriculum (IGETC) instead of the General Education requirements listed here. Completion of IGETC will permit a student to transfer to either a CSU or UC campus without the need, after transfer, to take additional lowerdivision general education university requirements. See the current catalog (Page 43-44) and a counselor for assistance.

- 2. At least nine upper division General Education units or more must be taken at CSU to graduate. Additional upper division English courses may be required for graduation at some campuses, and/or a foreign language may be required.
- tory and Federal, State and Local Government for the CSU transfer pursuing the BA/BS Degree. Completion

of History 16 or 17 and Political Science 10 from Area D will meet this requirement, but only three units will be credited toward the 39 units required for CSU General **Education Certification** (units in excess of 39 will count instead for elective credit). Some CSU campuses place the U.S. History and government requirement outside the 39 unit GE Certification while others include it within the 39 units. Some CSU campuses accept one U.S. History and/or one government course while others accept two courses in U.S. History. Consult the catalog of the CSU campus to which you intend to transfer or see your counselor for clarification.

4. Columbia College will automatically send a fully or partially completed Lower Division General Certification when a student requests his/her transcript be sent

to any CSU campus. The alternate General Education pattern, Intersegmental General Education Transfer Curriculum (IGETC), (See page 43-44) may be used in lieu of the CSU GE Pattern for students in most majors who are unsure of whether they want to transfer to a CSU or a UC. The IGETC must be fully completed and a written request to the Admissions & Records Office must be made before an IGETC Certification will be completed and sent to your transfer UC or CSU

GENERAL EDUCATION BREADTH REQUIREMENTS FOR COLUMBIA COLLEGE ASSOCIATE OF ARTS (AA) AND SCIENCE (AS) DEGREES & TRANSFER TO C.S.U.

See the current catalog for additional information on AA/AS Degree and CSU Transfer Requirements.

Courses for Each Area of General Education

FOR AA/AS* DEGREE: Three courses required: one each	FOR AS (OCCUPA- TIONAL EDUCATION**) DEGREE:Two courses required: one course	AREA A. COMMUNICATION & CRITICAL THINKING: A.1. Oral Communication SPCOM 1	FOR CSU TRANS- FER***: Three courses required: one each from A.1, A.2,
from A.1, A.2, A.3 (must have a grade of C or higher in each area of A). Also acceptable in A.1.:SPCOM 4	from A.2. and one course from A.1. or A.3. (must have a grade of C or higher). Also acceptable in A.1.:SPCOM 4	A.2. Written Communication ENGL 1A, AP A.3. Critical Thinking 'ENGL 1B, 1C, SPCOM 2, AP 1 English 1B may be used to satisfy either Area A.3 or C.2 but not both.	A.3 (must have a grade of C or higher in each area of A).
FOR AA/AS* DEGREE: Three courses required: one each from B.1, B.2, and B.4, including one laboratory course from B.3. Also acceptable in B.4: BUSAD 163, MATH 100B, MATH 101, and any higher mathematics course (must have a grade of C or higher in area B4).	FOR AS (OCCUPA-TIONAL EDUCATION**) DEGREE: Two courses required: One course from B.1 or B.2; and one course from B.4. Also acceptable in B.4: BUSAD 163, MATH 100B, MATH 101 and any higher mathematics course (must have a grade of ℂ or higher in area B4).	AREA B. THE PHYSICAL UNIVERSE, ITS LIFE FORMS AND MATHEMATICAL CONCEPTS: B.1. Physical Sciences CHEM 1A (L), 1B (L), 10 (L), 11 (L), 20, AP, ESC 5 (L), 10, 30, 40, 50(L), 62 GEOGR 15, PHYCS 1, 4A(L), 4B(L), 5A(L), 5B (L), AP B.2. Biological Sciences BIOL 2 (L), 4 (L), 6 (L), 10 (L), 17 (L), 24 (L), 60 (L), 65 (L), AP B.3. Lab/Activity BIOL 2 (L), 4 (L), 6 (L),10 (L), 17 (L), 24 (L), 60 (L), 65 (L), AP, CHEM 1A (L), 1B (L), 10 (L), 11 (L), AP, ESC 5 (L), 50(L), PHYCS 4A(L), 4B(L), 5A (L), 5B (L), AP B.4. Mathematical Concepts, Quantitative Reasoning and Applications MATH 2, 4A, 4B, 6, 8, 10, 12, 16, 18A, 18B, AP (L) Includes a laboratory	FOR CSU TRANS-FER***: Three courses required: one each from B.1, B.2, and B.4, including one laboratory (L) course from B.3; and no fewer than nine units total from Area B (must have a grade of C or higher in area B4).
FOR AA/AS* DEGREE: Two courses required: one from C.1; and one from C.2.	FOR AS (OCCUPA- TIONAL EDUCATION**) DEGREE: One course required from C.1 or C.2.	AREA C. ARTS, LITERATURE, PHILOSOPHY, AND FOREIGN LANGUAGE: C.1. Arts (Art, Dance, Drama, Music): ART 11, 12, 13, AP, DRAMA 10, 20, 42, 43, HHP 20, 27, MUSIC 2, 10, 11, 12, AP C.2. Literature, Philosophy and Foreign Language: ¹ ENGL 1B, 11, 17, 18, 46, 47, 49, 50, AP HUMAN 1, 2, 3, 4 ² INDIS 1 PHILO 1, 4 ² , 25 SPAN 1A, 1B, 2A, 2B, AP ¹ English 1B may be used to satisfy either Area A.3 or C.2 but not both. ² May use Human 4 or Philo 4 to satisfy C.2., but not both.	FOR CSU TRANS- FER***: Three courses required: one from C.1, one from C.2, and one from either C.1 or C.2; and no fewer than nine units from Area
*The GE requirements in this column do not apply to the AS (OCCUPATIONAL EDUCATION) Degree. See column at right for AS (OCCUPA-TIONAL EDUCATION) GE Degree requirements.	**The GE requirements in this column only apply to the AS (OCCUPATIONAL EDUCATION) Degree.		C.

Education) GE Degree

requirements.

FOR AA/AS * DEGREE: Two courses required: one from HIST 16, 17 or POLSC 10; and one course from D1-D0. Also acceptable in D: JRNAL 1 and HIST 55.	FOR AS (OCCUPATIONAL EDUCATION**) DEGREE: Two courses required: One course from HIST 16, 17 or POLSC 10; and one course from D1-D0. Also acceptable in D: JRNAL 1 and HIST 55.	AREA D. SOCIAL, POLITICAL AND ECONOMIC INSTITUTIONS AND BEHAVIOR: Area D.1. Anthropology, Archaeology ANTHR 1, 2, 3, 10, 154 Area D.2. Economics ECON 10, 11, AP Area D.3. Ethnic Studies ANTHR 154, HIST 204, SOCIO 54, SPCOM 5 Area D.4. Gender Studies HIST 21, ANTHR 7, SOCIO 7 Area D.5. Geography GEOGR 12, 18 Area D.6. History HIST 11, 13, 14, 165, 175, 204, 21, AP Area D.7. Interdisciplinary, Social or Behavioral Science CHILD 22, NATRE 1 Area D.8. Political Science, Government and Legal Institutions POLSC 105, 12, 14, AP Area D.9. Psychology CHILD 1, PSYCH 1, 353, AP4 Area D.0. Sociology and Criminology SOCIO 1, 2, 54 3 Psych 35 may be used to satisfy either Area D.9. or E., but not both. 4 Designed to meet an Ethnic Studies Requirement. 5 History 16 or 17 and Political Science 10 meet the US History, Constitution and American Ideals Requirement.	TRANSFER:*** Three courses required: POLSC 10 and HIST 16 or 17; and one course from Areas D1-D0.
FOR AA/AS* DEGREE: One course in E. Also acceptable in E: H-HP 6A	FOR AS (OCCUPATIONAL EDUCATION**) DEGREE: No course required in E.	AREA E. LIFELONG UNDERSTANDING AND SELF-DEVELOPMENT: BIOL 50 GUIDE 1 H-HP 5, 6A, 6B, 60, 65 HPMGT 10 PSYCH 5, 10, 30, 35 ³ SOCIO 12, 28	FOR CSU TRANSFER***: One course in E. Three units minimum required.
*The GE requirements in this column do not apply to the AS (OCCUPATIONAL EDUCATION) Degree. See column at right for AS (Occupational	**The GE require- ments in this column only apply to the AS (OCCUPATIONAL EDUCATION) Degree.		***A student may opt to follow the Intersegmental General Education Trans- fer Curriculum (IGETC) for CSU General Breadth requirements (See pages 43-44).

See pages 38-39 for additional information on Graduation Requirements and pages 39-40 for additional CSU graduation requirements. Two physical activity courses under Health & Human Performance are required for graduation.

(See Institutional Requirements under Graduation Requirements.) See page 62 for specific information on Advanced Placement (AP) credit.

IGETC - 2004-05 INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM FOR TRANSFER TO THE UNIVERSITY OF CALIFORNIA AND THE CALIFORNIA STATE UNIVERSITY

Full completion of the Intersegmental General Education Transfer Curriculum - IGETC will permit a student to transfer from a community college to a campus in either the California State University or the University of California system without the need, after transfer, to satisfy specific campus lower-division general education requirements. It should be noted that completion of the IGETC is not a requirement for transfer to CSU or UC, nor is it the only way to fulfill the lower-division general education requirements of these systems prior to transfer. The IGETC is an alternative General Education Pattern for transfer to the CSU and UC systems. Depending upon the major and/or the campus of choice, some students may be better served by taking courses which fulfill the CSU General Education Breadth Requirements listed on pages 41-42 of this catalog or those listed in the CSU or UC campus of choice catalog. Students pursuing majors that require extensive lower-division major preparation may not find the IGETC option to be advantageous. The IGETC will probably be most useful for students who want to keep their options open before making a final decision about transferring to a particular CSU or UC campus.

The course requirements for all areas must be fully completed with a grade of C or better before the IGETC can be certified. A student must request an IGETC Certification from the Admissions & Records Office. Certification will be sent after the last semester is completed at Columbia College. Courses taken from the IGETC List at another community college will be used in the final certification. Advanced Placement Examination credit may be used in some, but not all areas.

AREA 1: ENGLISH COMMUNICATION: One course each from Area 1A, Area 1B, and Area 1C. (Area 1C is for CSU students only.)

• AREA 1A: ENGLISH COMPOSITION: (One course, three semester units.)

ENGL 1A

(Or course from other college or AP)

 AREA 1B: CRITICAL THINKING/ENGLISH COMPOSI-**TION:** (One course, three semester units.) **ENGL 1C**

(Or course from other college)

 AREA 1C: ORAL COMMUNICATION: CSU students only. (One course, three semester units.)

SPCOM 1

(Or course from other college)

AREA 2A: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING: (One course, three semester units.)

MATH 2, 6, 10, 12, 16, 18A, 18B (Or course from other college or AP)

AREA 3: ARTS AND HUMANITIES: (Completion of at least three courses totaling nine units. One course must be in the Arts and one course must be in the Humanities. The third course may come from either Arts or Humanities.)

AREA 3A: ARTS:

ART 11, 12, 13; DRAMA 10; HHP 20, MUSIC 2, 10 11, 12

(Or course from another college or AP)

 AREA 3B: HUMANITIES ENGL 11, 17, 18, 46, 47, 49, 50; HUMAN 1, 2, 3, 4; INDIS 1; PHILO 1, 4, 25; SPAN 1B, 2A, 2B

(Or course from other college or AP)

AREA 4: SOCIAL AND BEHAVIORAL

SCIENCES: (From at least two disciplines, complete at least three courses totaling at least nine units.)

- AREA 4A: ANTHROPOLOGY AND ARCHAEOLOGY: ANTHR 1, 2, 10, 15*
- AREA 4B: ECONOMICS:
 - **ECON 10, 11**
- AREA 4C: ETHNIC STUDIES: ANTHR 15*; HIST 20*; SOCIO 5*
- AREA 4D: GENDER STUDIES: HIST 21

- AREA 4E: GEOGRAPHY:
 GEOGR 12, 18
- AREA 4F: HISTORY: HIST 11, 13, 14, 16*, 17*, 20*, 21
- AREA 4G: INTERDISCIPLINARY, SOCIAL AND BEHAVIORAL SCIENCES: CHILD 1
- AREA 4H: POLITICAL SCIENCE, GOVERNMENT AND LEGAL INSTITUTIONS: POLSC 10*, 12, 14
- AREA 4I: PSYCHOLOGY PSYCH 1, 5, 10, 35
- AREA 4J SOCIOLOGY AND CRIMINOLOGY:
 SOCIO 1, 2, 5*, 12

 (Or courses from other colleges or AP for all

(Or courses from other colleges or AP for all of AREA 4)

AREA 5: PHYSICAL AND BIOLOGICAL

SCIENCES: Completion of at least two courses totaling seven units or more. One Physical Science and one Biological Science course with at least one of these courses to include a Laboratory (L).

AREA 5A: PHYSICAL SCIENCES:
 CHEM 1A(L), 1B(L), 10(L)**,20**; ESC 5(L), 10, 30, 40, 50, 62; GEOGR 15; PHYCS 1**, 4A(L), 4B(L),
 5A(L), 5B(L)
 (Or courses from other colleges or AP)

• AREA 5B: BIOLOGICAL SCIENCES
BIOL 2(L)**, 4(L), 6(L), 10(L), 17(L)**, 24 (L),
60(L), 65(L)
(Or courses from other college or AP)

AREA 6: LANGUAGE OTHER THAN ENGLISH -

UC Only. Proficiency equivalent to two years of high school study (**C** or better) in the same language.

SPAN 1A

(Or courses from other colleges and/or high schools) Competency:

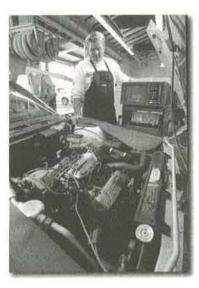
Test Name

Score____ Date_

AREA 7: CSU GRADUATION REQUIREMENT IN U.S. HISTORY, CONSTITUTION AND AMERICAN IDEALS: NOT PART OF IGETC;

(May be completed prior to transfer to CSU; 6 units: one course from Area 7A and one from Area 7B.)

- AREA 7A:
 POLSC 10* AND
- AREA 7B:
 HIST 16* OR 17*
- * Courses designated with an asterisk (*) may be counted in one area only.
- ** Indicates that transfer credit may be limited by either UC or CSU or both.
- (L) Designates a Laboratory course or a course that includes a Laboratory.



Students are required to complete an academic major to fulfill the Associate Degree requirements of Columbia College. All courses in the major must be completed with a grade of C or better. Credit C grades are not accepted. (Students transferring to a four-year college or university should consult the catalog of the transfer school for lower division requirements for the transfer major.) Following are the course requirements for each major currently offered at Columbia College.

Associate in Arts Degree Pages 45-49

ASSOCIATE DEGREE MAJORS

Fine Arts

Emphasis in Art

Emphasis in Photography

Health and Human Performance

Language Arts

Emphasis in English

Emphasis in Speech Communication

Liberal Studies

Mathematics

Music

Transfer Degree

Associate in Science Degree Pages 49-53

Allied Health

Business

Emphasis in Business Administration (Occupational)

Emphasis in Business Administration (Professional)

Child Development

Computer Science

Fire Technology

Fire Technology

Wildland/Urban Interface Fire Management

Forestry

Hospitality Management

Emphasis in Culinary Arts

Emphasis in Hotel Management

Emphasis in Restaurant Management

Tourism/Recreation

Natural Resources

Science

Emphasis in Biology

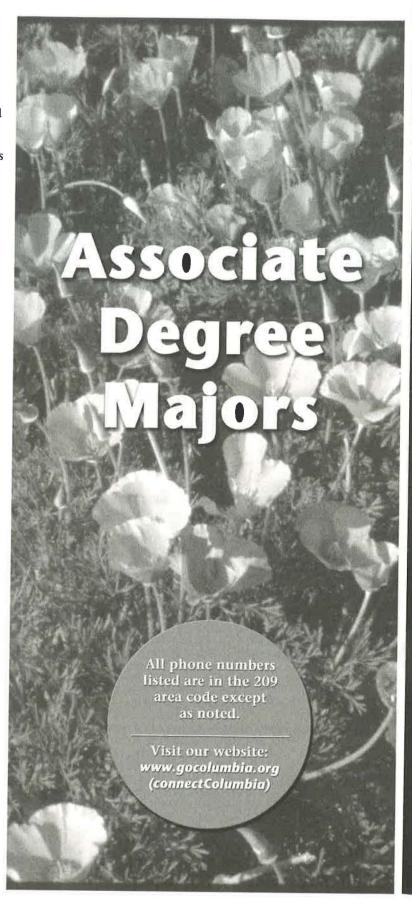
Emphasis in Earth Science

Emphasis in Environmental Science

Emphasis in General Science

Emphasis in Physical Science

Transfer Degree



Required



Associate in Science (Occupational Education) Degree Pages 53-58

Automotive Technology

Automotive Maintenance Technician

Automotive Service Technician

Business Administration

Accounting

Management

Retailing

Computer Science

Applied Computer Studies-Business Emphasis

Computer Science

Geographic Information Systems (GIS)

Emergency Medical Services

Fire Technology

Forestry Technology

Hospitality Management

Chef

Dinner Line Cook

Hotel Management

Pantry & Dessert Chef

Restaurant Management

Human Services

Natural Resources

Watershed Management Technology

Natural Resources Technology

Office Technology

Administrative Assistant

Medical Office Specialist

Medical Transcription

Office Assistant

ASSOCIATE IN ARTS DEGREE

An Associate in Arts Degree is earned in areas such as Fine Arts, Humanities, Social and Behavioral Science, and is often awarded to students who plan to transfer to a four-year institution. To earn this degree, a student must complete the requirements listed in Column 1 of the G.E. Breadth Requirements on page 41-42.

FINE ARTS

EMPHASIS IN ART

EMPHASIS IN ART	
	Required
Acceptable Courses Within Major	Units
A. Twelve (12) units required from this section	
Art 1 Basic Freehand Drawing (2-3)	
Art 2 Basic Color and Design (2-3)	
Art 9A Life Drawing: Beginning (2-3)	
Art 11 History of Art: Ancient and Medieval (3)	
Art 12 History of Art: Ren., Baroque and Modern (3)	
Art 21A Painting: Beginning (2-3)	
Art 23A Watercolor: Beginning (2-3)	
Art 25 Mixed Media Painting (3)	
Art 31 Ceramics: Introductory (1-3)	
Art 71 Introduction to Ceramic Sculpture (2-3)	
3. Three (3) units required from this section	3
Art 40 Photography: Beginning (4)	
Art 48 Special Topics in Photography (1-4)	
H-HP 20 Dance Survey (3.5)	
H-HP 23A Dance, Contemporary I (.5-1.5)	
H-HP 25A Dance, Jazz I (.5-1.5)	
C. Three (3) units required from this section	3
Engl 10 Creative Writing (3)	
Engl 11 Film Appreciation (3)	
Music 1 Music Fundamentals (2)	
Music 2 Introduction to Music (3)	
Music 10 Survey of Music History and Literature (3)	
Music 20A Music Theory (5)	
Any Music 30-78 Course (1-1.5)	
Total Required Units	18
EMPHASIS IN PHOTOGRAPHY	
	Required
Acceptable Courses Within Major:	Units
A. Art 40 Photography: Beginning	4
plus six (6) units from this section	6
Art 2 Basic Color and Design (2-3)	
Art 41 Intermediate Photography (3)	
Art 42 Color Photography (3)	
3. Six (6) units required from this section	6
Art 1 Basic Freehand Drawing (2-3)	
Art 9A Life Drawing: Beg. (2-3)	
Art 21A Painting: Beginning (2-3)	
Art 23A Watercolor: Beginning (2-3)	
Art 25 Mixed Media Painting (3)	
C. Three (3) units required from this section	3
Art 11 History of Art (3)	
Art 12 History of Art (3)	
Art 45 Field Photography (1-2)	
Art 48 Special Topics in Photography (1-4)	
Engl 11 Film Appreciation (3)	
Total Required Units	19

HEALTH AND HUMAN PERFORMANCE

ASSOCIATE IN ARTS MAJORS

		Required
Ac	ceptable Courses Within Major:	Unit
A.	Nine (9) units required from this section H-HP 6A Lifetime Fitness (3)	9
	H-HP 60 Health and Fitness Education (3)	
	H-HP 62 Safety and First Aid Education (2)	
	Biol 50 Nutrition (3)	
В.		8
	Biol 10 Human Anatomy (4)	
	Biol 60 Human Physiology (4)	
C.	Three (3) units required from this section	3
	Psych 1 General Psychology (3)	
Tot	tal Required Units	20

LANGUAGE ARTS

EMPHASIS IN ENGLISH	
Required	
Acceptable Courses Within Major:	
Eighteen (18) units from any combination of the courses listed under	
Section A below, or A through D as follows:	
A. Engl 1B Reading and Composition Advanced	
plus six (6) units required from this section	
Engl TC Critical Reasoning/Writing (3)	
Engl 10 Creative Writing (3)	
Engl 11 Film Appreciation (3)	
Engl 17 American Literature (3)	
Engl 18 American Literature (3)	ı
Engl 46 Survey of English Literature (3)	ı
Engl 47 Survey of English Literature (3)	ı
Engl 49 California Literature (3)	
Engl 50 Introduction to Shakespeare (3)	ı
Jrnal 1 Introduction to Journalism (3) 3. Three (3) units required from this section	I
3. Three (3) units required from this section	ı
Spcom 1 Fundamentals of Speech (3)	ı
Spcom 2 Argumentation (3)	ı
Three (3) units required from this section	
Anthr 2 Cultural Anthropology (3)	
Human 1 Old World Culture (3)	
Human 2 Modern Culture (3)	
Human 3 World Culture (3)	
Psych 1 General Psychology (3)	
Span 1A Spanish: Beginning (5)	
Span 1B Spanish: Beginning (5)	
Span 2A Spanish: Intermediate (5)	
Span 2B Spanish: Intermediate (5)	
Three units required from this section	
Hist 13 World Civilization: to 1650 (3)	
Hist 14 World Civilization: 1650 to Present (3)	
Hist 16 United States History: to 1877 (3)	
Hist 17 United States History: 1877 to Present (3)	
Philo 1 Introduction to Philosophy (3) Philo 25 Twentieth Century Philosophy (3)	
otal Required Units	
18	

EMPHASIS IN SPEECH COMMUNICATION

rses Within Major:	
c social defendation of	Uni
1 Fundamental of Public Speaking (3)	
2 Argumentation (3)	
twelve (12) units required from this section	3-12
18 Voice Dynamics (3)	
19 Exploring Radio Drama (3)	
20 Oral Expression and interpretation (3)	
22 Readers' Theatre (3)	
six (6) units required from this section	3-6
4 Introduction to Human Communication (3)	
5 Intercultural Communication (3)	
six (6) units required from this section	3-6
Film Appreciation (3)	
12 Mass Communication (3)	
nits	18
otional Courses	
0 A Sign Language (2)	
0 B Sign Language (2)	
OA & Spcom 50 B, Sign Language can provide 4 units units for a Speech Communication major. These cou	of the
ald also be considered a fourth emphasis under Section	n E.

18 units for a Speech Communication major. These courses could also be considered a fourth emphasis under Section E.
LIBERAL STUDIES
Arts And Humanities six (6) units required
Engl 47 Survey of English Literature (3) Engl 49 California Literature (3) Engl 50 Introduction to Shakespeare (3) Human 1 Old World Culture (3)

	Human 2 Modern Culture (3)
	Human 3 World Culture (3)
	Jrnal 1 Introduction to Journalism (3)
	Philo 1 Introduction to Philosophy (3)
	Philo 25 Twentieth Century Philosophy (3)
	Span 1A Spanish: Beginning (5) or higher
	Spcom 50A Sign Language (2) & Spcom 50B Sign Language (2)
В.	Natural Sciences and Mathematics six (6) units required
	Biol 2 Principles of Biology (4)
	Biol 4 Principles of Animal Biology (4)
	Biol 6 Principles of Plant Biology (4)
	Biol 10 Human Anatomy (4)
	Biol 17 Fundamentals of Biology (4)
	Biol 24 General Ecology (3)
	Biol 60 Human Physiology (4)
	Biol 65 Microbiology (4)
	Chem 1A General Chemistry (5)
	Chem 10 Fundamentals of Chemistry (4)
	Chem 20 Conceptual Chemistry (3)
	Cmpsc 1 Computer Concepts & Information Systems (4)
	Cmpsc 3 Operating Systems (3)
	Cmpsc Any Programming Class (3)
	Esc 5 Physical Geology (4)
	Esc 10 Environmental Geology (3)
	Esc 30 Global Tectonic Geology (3)
	Esc 40 Descriptive Astronomy (3)
	Geogr 15 Physical Geography (3)
	Math 100B Algebra I: Second Half (3)
	Math 101 Algebra I: Fundamentals (5) or higher
	Natre 1 Environmental Conservation (3)
	Phycs 1 Conceptual Physics (3)
	Phycs 5A Introductory Physics I: Calculus Level (5)
C.	Social Sciences six (6) units required
	Anthr 1 Physical Anthropology (3)
	Anthr 2 Cultural Anthropology (3)
	Anthr 3 Current Issues in Anthropology (3)
	Anthr 15 Native People of North America (3)
	Busad 20 Principles of Business (3)
	Child 1 Principles of Child Development (3)
	Econ 10 Principles of Economics (4)
	Econ 11 Principles of Economics (4)
	Geogr 12 Cultural Geography (3)
	Geogr 18 World Regional Geography (3)
	Hist 11 History of California (3)
	Hist 13 World Civilization: to 1650 (3)
	Hist 14 World Civilization: 1650 to Present (3)
	Hist 16 United States History: to 1877 (3)
	Hist 17 United States History: 1877 to Present (3)
	Hist 20 African-American History (3)
	Hist 55 The American Frontier (3)
	Polsc 10 Constitutional Government (3)
	Polsc 12 American Political Thought (3)
	Polsc 14 International Relations (3)
	Psych 1 General Psychology (3)
	Psych 5 Human Sexual Behavior (3)
	Psych 30 Personal and Social Adjustment (3)
	Socio 1 Introduction to Sociology (3)
	Socio 2 American Society: Social Problems and Deviance (3)
	Socio 5 Ethnicity & Ethnic Relations in America (3)
	Socio 12 Sociology of the Family (3)
Tota	ıl Required Units 18

Courses used to fulfill the Liberal Studies Major Requirements may be used to fulfill the General Education requirements for the AA or AS Degree.

MATHEMATICS

		Requ	iired
	Acc	eptable Courses Within Major:	Inits
	A.	Eleven (11) units required from this section	. 11
Ì		Math 2 Elements of Statistics (3)	
		Math 18A Calculus I (4)	
		Math 18B Calculus II (4)	
	В.	Three to Four (3-4) units required from this section	3-4
		Math 6 Mathematics for Liberal Arts Students (3)	
	1	Math 8 Trigonometry (3)	
		Math 10 College Algebra (3)	
		Math 12 Finite Mathematics (3)	
		Math 16 Precalculus (4)	
	C	Four to Five (4-5) units required from this section	4-5
	J	Phycs 5A Introductory Physics I: Calculus Level (5)	
		Cmpsc 22 Programming Concepts & Methodology I (4)	
		Cmpsc 24 Programming Concepts & Methodology II (4)	
	Tota	al Required Units	-20

MUSIC

	MUSIC
	Required
Acc	ceptable Courses Within Major: Units
A.	Twenty (20) units required from this section
	Theory/Musicianship
	Music 4A Elementary Musicianship (2)
	Music 4B Elementary Musicianship (2)
	Music 5A Intermediate Musicianship (2)
	Music 5B Intermediate Musicianship (2)
	Music 20A Elementary Music Theory (3)
	Music 20B Elementary Music Theory (3)
	Music 21A Intermediate Music Theory (3)
_	Music 21B Intermediate Music Theory (3)
В.	Four (4) units required from this section
	Music 50 Applied Music: Guitar (1)
	Music 51 Applied Music: Keyboard (1)
	Music 52 Applied Music: Woodwinds (1)
	Music 53 Applied Music: Brass (1)
	Music 54 Applied Music: Strings (1) Music 55 Applied Music: Percussion (1)
	Music 56 Applied Music: Voice (1)
	It is suggested students take private instruction every semester
	at Columbia College although only 4 units are required for
	transfer.
C.	Four (4) units required from this section4
	Music 60 Choir (1)
	Music 64 Jazz Choir (1)
	Music 66 Columbia College Community Chorus (1)
	Music 69 Madrigal Ensemble (1)
	Music 70 College Band (1)
	Music 72 Jazz Ensemble (1)
	Music 76 Community Orchestra (1)
	Music majors need to be enrolled in an ensemble appropriate to
	their major instrument each semester at Columbia. Four units are
	required for transfer.
D.	Proficiency Required
	Voice Proficiency (for non-voice majors; may be achieved
	independently through credit by examination or through the
_	following course) Music 36 Elementary Voice (1.5)
E.	Proficiency Required
	Piano Proficiency (for non-piano majors; may be achieved
	independently through credit by examination or through the

following course) Music 41B Intermediate Piano (1.5)

Total Required Units .

Recommended Optional Courses:

Music 10 Survey of Music History/Literature: Ancient to 1750 (3)
Music 11 Survey of Music History/Literature: 1750 to Present (3)

The Music Major is designed to prepare the student to be a well-rounded musician and enables the student to transfer to a four-year institution at the junior level

TRANSFER DEGREE

Degree Requirements

- A. Completion of a minimum of 60 units; 12 units must be completed in residence.
- B. Overall grade point average of 2.0 or better (C average) based on all work attempted in college.
- C. Filing an application for graduation.
- D. Competence in reading, in written expression and in mathematics demonstrated by completing the following classes with a "C" or better.
 - Engl 1A, Reading and Composition: Beginning
- Busad 163, Business Mathematics, <u>OR</u>
 Math 100B, Algebra 1: Second Half, <u>OR</u>
 Math 101, Algebra 1: Fundamentals, <u>OR</u>
 Any mathematics course of a higher level than Algebra 1.

These courses may also be met through completion of a challenge examination with a grade of "C" or better.

E. Completion of Associate Degree course requirements as outlined below.

Major:

Complete a minimum of eighteen (18) units that meet the lower division prerequisites for any major at the institution to which the student plans to transfer.

Complete one of the following General Education Breadth patterns:

- a. California State University transfers: (30 units)
- Complete the Columbia College Pattern of General Education for CSU Transfer listed in Column IV on pages 41-42 of the Catalog. OR
- Complete the Columbia College IGETC (Intersegmental General Education Transfer Curriculum) pattern listed on pages 43-44 of the Catalog.
- b. University of California transfers: (30 units total)
- Complete the Columbia College IGETC (Intersegmental General Education Transfer Curriculum) pattern listed on pages 43-44 of the Catalog or see your counselor for the individual breadth pattern for the campus of your choice.
- c. Customized program: (30 units total)
- With the guidance of your counselor and the development of your "Education Plan," identify a general education plan for the college or university campus of your choice.

Activity Courses:

Select two physical activity courses under the Health and Human Performance listings.

Electives:

Select additional elective courses to bring the total to 60 units.

ASSOCIATE IN SCIENCE DEGREE

The Associate in Science Degree is awarded in Science and Technical fields. It is specifically designed for students who intend to transfer to a four-year institution. To earn this degree, a student must complete the requirements listed in Column 1 of the G.E. Breadth Requirements on page 41-42.

ALLIED HEALTH

	R	equired
Acc	eptable Courses Within Major:	Units
A.	Eight (8) units required from this section	8
	Biol 10 Human Anatomy (4)	
	Biol 60 Human Physiology (4)	
В.	Four (4) units required from this section	4
	Chem 1A General Chemistry (5)	
	Chem 10 Fundamentals of Chemistry (4)	
C.	Seven (7) units required from this section	7
	Biol 50 Nutrition (3)	
	Biol 65 Microbiology (4)	
	EMS 4 Emergency Medical Technician Training (7)	
	EMS 13 Advanced First Aid and Emergency Care (3)	
	H-HP 60 Health and Fitness Education (3)	
	H-HP 62 Safety and First Aid Education (2)	
Tota	al Required Units	19

BUSINESS

EMPHASIS IN BUSINESS ADMINISTRATION (OCCUPATIONAL)

Acceptable Courses Within Major:

A. Fifteen (15) units required from this section ...

Required

Units

Busad 20 Principles of Business (3)
Busad 24 Human Relations in Organizations (3)
Busad 163 Business Mathematics (4)
Cmpsc 3 Windows and DOS Operating Systems (3)
Oftec 132 Business Communications (3)
B. Eight (8) units required from B1 or B28
B1. Eight (8) units required
Busad 1A Principles of Accounting (4)
Busad 1B Principles of Accounting (4)
B2. Eight (8) units required
Busad 161A Small Business Accounting I (4)
Busad 161B Small Business Accounting II (4)
C. Six (6) units required from this section
Busad 18 Business Law (4)
Busad 30 Principles of Marketing (3)
Busad 40 Principles of Management (3)
Busad 150 Small Business Management (3)
Busad 151 Finance and Investments (3)
Busad 158 Payroll Accounting (3)
Total Required Units

Required

EMPHASIS IN BUSINESS ADMINISTRATION (PROFESSIONAL)

		Requirea
Acceptable C	Courses Within Major:	Units
Busad 1A	Principles of Accounting	4
Busad 1B	Principles of Accounting	
Busad 18	Business Law	
Busad 20	Principles of Business	3
Busad 24	Human Relations in Organizations	
Cmpsc 3	Operating Systems	
Cmpsc 30	Financial Worksheets on Computers	
Econ 10	Principles of Economics	
Econ 11	Principles of Economics	
Total Require	ed Units	32

CHILD DEVELOPMENT

	i	Required
Required Cou	urses Within Major:	Units
Child 1	Principles of Child Development	3
Child 2	Observing & Recording Behavior	
Child 3	Practices in Child Development	3
Child 7	Child Health and Safety	1
Child 10	Creative Activities in the Arts	2
Child 12	Creative Activities in Math	2
Child 13	Creative Activities in Science	2
Child 16	Practicum	3
Child 22	Child, Family, Community	3
Child 30	Child Care/Nursery School Administration	
Child 8	Early Literacy Development	3
	Or	2
Child 19	Exceptional Needs Children	3
Child 23	Guiding Childern's Social Development	3
	Or	
Child 25	Infant/Toddler Care	3
	Or	-
Child 28	Books for Young Children	
Total Require	ed Units	26

COMPUTER SCIENCE

		Required
Paguired Cou	rses Within Major	Units
		- 1 11 1
Cmpsc 9	UNIX Operating System	3
Cmpsc 22	Programming Concepts & Methodology I	
Cmpsc 24	Programming Concepts & Methodology II	4
Cmpsc 28	Visual Basic Programming	3
Cmpsc 55	Database Management	4
Math 18A	Calculus I: Differential Calculus	4
Math 18B	Calculus II: Integral Calculus	
ELECTIVES - 0	Choose two:(6 units)	
Cmpsc 3	Operating Systems	3
Cmpsc 15	Java Programming	3
Cmpsc 41	Networking essentials	3
Cmpsc 53/	-	
Busad 53	Project Management	3
Total Required	d Units	32

FIRE TECHNOLOGY

FIRE TECHNOLOGY

I	, recoperate terminate transfer	Units
١	A. The following courses are required	15
ı	Fire 1 Fire Protection Organization (3)	
ı	Fire 2 Fire Prevention Technology (3)	
ı	Fire 3 Fire Protection Equipment/Systems (3)	
	Fire 4 Building Construction for Fire Protection(3)	
	Fire 5 Fire Behavior and Combustion (3)	
	B. Ten (10) units required from this section	10
ı	EMS 4 Emergency Medical Technician Training (7)	
ı	EMS 20 Basic Cardiology/Cardiac Dysrhythmias (3)	
ı	*EMS 97 Work Experience (1-4)	
ı	Fire 7 Wildland Fire Control (3)	
I	Fire 29A Driver/Operator 1A (1)	
	Fire 29B Driver/Operator 1B (1)	
	Fire 70 Special Topics (.5-3)	
	*Fire 97 Work Experience (1-4)	
	SAR 50 Low Angle Rope Rescue (1.5)	
	Total Required Units	25
	*Credit may be applied for either EMS 97 or Fire 97 but not both.	
	and strong man of A manufacture room manufacture good to	
	TALLED AND ALDO AN INTERFACE	

WILDLAND/URBAN INTERFACE FIRE MANAGEMENT

Cmpsc 1	Computer Concepts and Information Systems 4
Math 104	Algerbra II
Cmpsc 59	G.I.S. & G.P.S1
Fire 1-99	Fire Technology Courses 4.5
Wkexp 96	Cooperative Work Experience2
Fire 120	Fire Operations in the Urban Interface 1.5
Total Requi	red Units18

FORESTRY

	Required
cceptable Courses Within Major	Units
Eleven (11) units required from this section	11
Fores 10 Dendrology (3)	
Fortes 10 Denarology (5) Forte 153 Forest Surveying Techniques (3)	
Nartc 160 Aerial Photography & Map Interpretation	on (2)
FI (14) it	11
Biol 24 General Ecology (4) Biol 39 Field Biology (1-2)	
Esc 5 Physical Geology (4)	
Esc 30 Global Tectonic Geology (3)	
Fire 7 Wildland Fire Control (3)	
Forte 162 Applied Forest Inventory and Managem	ent (2)
Geogr 15 Physical Geography (3)	CHE (Z)
Natre 1 Environmental Conservation (3)	
Natre 9 Parks and Forests Law Enforcement (2)	
Natre 22 Ecology and Use of Fire in Forest Ecosyst	ams (2)
Natre 30 Introduction to Watershed Management	
Natre 50 Natural History and Ecology (2)	. (3)
Narte 181 California Wildlife (4)	
1000	22
otal Required Units Transfer oriented students should see a counselor for addition	nal required
oursework in Anthro, Biol, Calculus, Chem, Cmpsc, ESC, Eco	n, Geogr,
Phycs, and Statistics.	

HOSPITALITY MANAGEMENT

ASSOCIATE IN SCIENCE MAJORS

	Emphasis In Culinary Arts	
	-	Required
Required Cou	ırses Within Major	Unit.
Hpmgt 102	Introduction to Hospitality Careers & Human	
•	Relations	1.5
Hpmgt 104	Hospitality Laws and Regulations	2
Hpmgt 120	Safety & Sanitation	1
Hpmgt 122	Restaurant Math	1
Hpmgt 126	Nutrition for Chefs	1
Hpmgt 128	Kitchen Management	3
Hpmgt 133/	A Introduction to Commercial Food Preparation	3
	3 Commercial Food Preparation	4
Hpmgt 134	Commercial Baking: Beginning	2,5
Hpmgt 136	Dining Room Service and Management	2
Hpmgt 140	Contemporary Cuisine	3.5
Hpmgt 141	Restaurant Desserts	2
Hpmgt 142	Garde Manger	1
Hpmgt 146	Dining Room Service and Management	2
Hpmgt 147	Beverage Management	2
Hpmgt 148	Introduction to Wines	2
Hpmgt 190	Culinary Arts Internship	
Total Require	d Units	35.5
1	Emphasis In Hotel Management	
		Requirea
Required Cou	rses Within Major	Units
Hpmgt 20	Intro to Leisure Travel and Tourism	
Hpmgt 97	Work Experience	2
Hpmgt 102	Introduction to Hospitality Careers & Human	
	Relations	1.5
Hpmgt 104	Hospitality Laws and Regulations	2
Hpmgt 112	Front Office Mgmt./Hotel Catering	2
Hpmat 114	Intro to Maintenance and Housekeeping	1.5

Hpmgt 104	Hospitality Laws and Regulations 2
Hpmgt 112	Front Office Mgmt./Hotel Catering
Hpmgt 114	Intro to Maintenance and Housekeeping 1.5
Hpmgt 152	Restaurant Planning3
Busad 1A	Principles of Accounting4
	Or
Busad 160	Basic Accounting 4
	Or
Busad 161A	Small Business Accounting 4
Total Required	d Units 19
Recommende	d Optional Courses
Busad 163	Business Mathematics 4
Oftec 5	Electronic Printing Calculators1
Oftec 131	Office Procedures and Technology 3

		Required
Required Cou	rses Within Major	Units
Hpmgt 102	Introduction to Hospitality Careers & Human	
	Relations	1.5
Hpmgt 104	Hospitality Laws and Regulations	2
Hpmgt 120	Safety & Sanitation	1
Hpmgt 128	Kitchen Management	3
	Introduction to Commercial Food Preparation.	3
Hpmgt 133B	Commercial Food Preparation	4
Hpmgt 136	Dining Room Service and Management	2
Hpmgt 147	Beverage Management	2
Hpmgt 152	Restaurant Planning	3
Busad 161A	Small Business Accounting I	4
Busad 161B	Small Business Accounting II	4
Cmpsc 1	Computer Concepts and Information Systems	4
Oftec 131	Office Procedures and Technology	3

TOURISM/RECREATION

(Pending approval by State Chancellor's Office.)

Required Courses Within Major Units		
Hpmgt 10	Introduction to Recreation and Leisure3	
Hpmgt 20	Introduction to Leisure Travel and Tourism 3	
Hpmgt 30	Geography of Travel and Tourism:	
	Western Hemisphere3	
Hpmgt 31	Geography of Travel and Tourism:	
	Eastern Hemisphere	
Hpmgt 164	Tourism Planning and Impacts	
Hpmgt 165	Eco-Adventure Travel Business Development 3	
Hpmgt 168	Developing an Hospitality/Tourism/Recreation Career Path and Portifolio	
Hpmgt 169	Capstone: Tourism/Recreation 2	
Total Require	ed Units19	
Recommende	ed Optional Courses:	
Area A:		
Spcom 1	Fundamentals of Speech 3	
Area B:		
Geogr 15	Physical Geography 3	
Math 6	Mathematics for Liberal Arts Students	
Math 12	Finite Mathematics 3	
Biol 24	General Ecology4	
Esc 10	Environmental Geology 3	
Area C:	3,	
Art 11	History of Art: Ancient & Medieval3	
Art 12	History of Art: Renaissance, Baroque, and Modern 3	
Art 13	Art of Africa, Asia, and the Americas 3	
Drama 42	Acting Fundamentals 3	
Engl 49	California Literature	
Human 3	World Culture	
	Or	
Human 4	World Religions and Spirituality	
Span 1A/B	Spanish: Beginning	
Span 2A/B	Spanish: Intermediate	
Area D:	spanish, intermediate initiality	
Anthr 10	Archaeology and Cultural Prehistory	
Allun	Or	
Anthr 15	Native People of North America	
Econ 10	Principles of Economics (Micro)	
	Or	
Econ 11	Principles of Economics(Macro)4	
Hist 11	History of California 3	
× 10	Or	
Hist 20	African-American History 3	
Geogr 12	Cultural Geography 3	
Geogr 18	World Regional Geography3	
Natre 1	Environmental Conservation 3	
Polsc 14	International Relations 3	
Psych 1	General Psychology 3	
Socio 1	Introduction to Sociology	
Socio 2	American Society: Social Problems and Deviance 3 Or	
Socio 5 Area E:	Ethnicity and Ethnic Relations in America	
	Stress Management	
	Sociology of the Family	
Phych 10	Lifespan Human Development	
a service and a service	200 55. F. 5000 1000 NOV NOV ON TESS 1595 FEM 1020 NO OR	

NATURAL RESOURCES

Acceptable Courses Within Major Unit
A. Twelve-Fourteen (12-14) units required from this section 12-14
Biol 24 General Ecology (4)
Natre 1 Environmental Conservation (3)
Natre 30 Introduction to Watershed Management (3)
Natre 50 Natural History and Ecology (2)
Nartc 155 Interpretive Guided Tours (2)
Nartc 160 Aerial Photography & Map Interpretation (2)
B. Eight (8) units required from this section
Biol 39 Field Biology (1-2)
Biol 179 Fishing and Fisheries (1)
Esc 5 Physical Geology (4)
Esc 10 Environmental Geology (3)
Esc 30 Global Tectonic Geology (3)
Fire 7 Wildland Fire Control (3)
Fores 1 Introduction to Professional Forestry (3)
Fores 10 Dendrology (3)
Fortc 153 Forest Surveying Techniques (3)
Fortc 162 Applied Forest Inventory/Management (2)
Geogr 15 Physical Geography (3)
Natre 9 Parks and Forests Law Enforcement (2)
Natre 22 Ecology and Use of Fire in Forest Ecosystems (2)
Nartc 181 California Wildlife (4)
Total Required Units

SCIENCE

Emphasis In Biology

	Require
Acc	ceptable Courses Within Major Unit
	Sixteen (16) units required from this section
	Biol 2 Principles of Biology (4)
	Biol 4 Principles of Animal Biology (4)
	Biol 6 Principles of Plant Biology (4)
	Biol 10 Human Anatomy (4)
	Biol 17 Fundamentals of Biology (4)
В.	Three (3) units required from this section
	Biol 24 General Ecology (4)
	Chem 1A General Chemistry (5) or higher
	Esc any transferable Earth Science course
	Math 2 Elements of Statistics (3)
	Math 16 Precalculus (4)
	Math 18A Calculus I (4)
	Phycs 1 Conceptual Physics (3) or higher
C.	Three (3) units required from this section
	Biol 97 Work Experience in Biology (1-4)
	Biol any transferable Biology course
	Chem any Chemistry course
	Cmpsc 1 Computer Concepts & Information Systems (4)
	Cmpsc 3 Operating Systems (3)
	Esc any transferable Earth Science course
	Natre 1 Environmental Conservation (3)
	Phycs any Physics course
Tot	al Required Units22
Stu	dents planning to become Biology majors upon transfer to a four-yea

18A while at Columbia College.

Emphasis In Earth Science

	Required
5	Acceptable Courses Within Major: Units
	A. Ten (10) units required from this section
1	Esc 5 Physical Geology (4)
	Esc 10 Environmental Geology (3)
	Esc 30 Global Tectonic Geology (3)
	Esc 35 Field Geology (1-3)
	Esc 40 Descriptive Astronomy (3)
	B. Four (4) units required from this section4
	Biol 24 General Ecology (4)
	Biol 2 Principles of Biology (4)
	Biol 17 Fundamentals of Biology (4)
1	C. Four (4) units required from this section4
	Chem 1A General Chemistry (5)
	Chem 10 Fundamentals of Chemistry (4)
	D. Three (3) units required from this section
	Phycs 4A Introductory Physics I: Trigonometry Level (4)
H	Phycs 5A Introductory Physics I: Calculus Level (5)
ij	Total Required Units21
i	Students planning to become Earth Science majors upon transfer to a
	four-year school should take Chem IA and 1B, Math 18A, and Phycs 5A and 5B while at Columbia College.
- 11	

Emphasis In Environmental Science

Required

Acceptable Courses Within Major			Units
	A.	Ten (10) units required from this section	10
		Biol 24 General Ecology (4)	
		Esc 5 Physical Geology (4)	
		Esc 10 Environmental Geology (3)	
		Natre 1 Environmental Conservation (3)	
		Phycs 1 Conceptual Physics (3)	
	B.	Four (4) units required from this section	4
		Biol 2 Principles of Biology (4)	
1		Biol 4 Principles of Animal Biology (4)	
		Biol 6 Principles of Plant Biology (4)	
		Biol 17 Fundamentals of Biology (4)	
	C.	Four (4) units required from this section	4
		Chem 1A General Chemistry (5)	
1		Chem 10 Fundamentals of Chemistry (4)	
	D.	Two (2) units required from this section	2
		Biol 39 Field Biology (1-2)	
		Esc 35 Field Geology (1-3)	
		Fores 10 Dendrology (3)	
	Tota	al Required Units	. 20
1		•	

Emphasis In General Science

ASSOCIATE IN SCIENCE MAJORS

Require	d
Acceptable Courses Within Major Unit	ts
A. Four (4) units required from this section	
Biol 2 Principles of Biology (4)	
Biol 4 Principles of Animal Biology (4)	
Biol 6 Principles of Plant Biology (4)	
Biol 17 Fundamentals of Biology (4)	
Biol 24 General Ecology (3)	
B Four (4) units required from this section	
Chem 1A General Chemistry (5)	
Chem 10 Fundamentals of Chemistry (4)	
C. Three (3) units required from this section	
Cmpsc Any 3 unit course in Computer Science (3)	
D. Four (4) units required from this section	
Esc 5 Physical Geology (4)	
Esc 40 Descriptive Astronomy (3)	
E. Three (3) units required from this section	
Phycs 1 Conceptual Physics (3)	
Phycs 4A Introductory Physics I: Trigonometry Level (4)	
Phycs 5A Introductory Physics 1: Calculus Level (5)	
Total Decuised Units	-
Total Required Units	

Emphasis In Physical Science

	кеципеи
Acceptable Courses Within Major	Units
Chem 1A General Chemistry	5
Chem 1B General Chemistry	5
Chem 1B General Chemistry	5
Phycs 5B General Physics II	5
Total Required Units	20

TRANSFER DEGREE

Degree Requirements

- A. Completion of a minimum of 60 units; 12 units must be completed in residence.
- B. Overall grade point average of 2.0 or better (C average) based on all work attempted in college.
- C. Filing an application for graduation.
- D. Competence in reading, in written expression and in mathematics demonstrated by completing the following classes with a "C" or better.
 - Engl 1A, Reading and Composition: Beginning
 - Busad 163, Business Mathematics, OR Math 100B, Algebra 1: Second Half, OR Math 101, Algebra 1: Fundamentals, OR Any mathematics course of a higher level than Algebra 1.

These courses may also be met through completion of a challenge examination with a grade of "C" or better.

E. Completion of Associate Degree course requirements as outlined below.

Major:

Complete a minimum of eighteen (18) units that meet the lower division prerequisites for any major at the institution to which the student plans to transfer. Complete one of the following General Education Breadth patterns:

- a. California State University transfers: (30 units)
 - Complete the Columbia College Pattern of General Education for CSU Transfer listed in Column IV on pages 41-42 of the Catalog, OR
 - Complete the Columbia College IGETC (Intersegmental General Education Transfer Curriculum) pattern listed on pages 43-44 of the Catalog.
- b. University of California transfers: (30 units total)
- Complete the Columbia College IGETC (Intersegmental General Education Transfer Curriculum) pattern listed on pages 43-44 of the Catalog or see your counselor for the individual breadth pattern for the campus of your choice.
- c. Customized program: (30 units total)
- With the guidance of your counselor and the development of your "Education Plan," identify a general education plan for the college or university campus of your choice.

Activity Courses:

Select two physical activity courses under the Health and Human Performance listings.

Electives:

Required Courses

Select additional elective courses to bring the total to

ASSOCIATE IN SCIENCE (OCCUPA-TIONAL EDUCATION) DEGREE

The Associate in Science (Occupational Education) Degree is earned in occupational programs that provide students with skills and training for i mmediate entry into the workforce. These programs are **not** designed for students planning to transfer to a four-year institution, even though some courses in the AS(OE) degree may meet transfer requirements. To earn this degree, a student must complete the requirements listed in Column 2 of the G.E. Breadth Requirements on page 41-42.

AUTOMOTIVE TECHNOLOGY

Automotive Maintenance Technician

Required (Courses Ur	nits			
AT 97	Work Experience In Automotive Technology	1			
AT 100	Introduction to Automotive Technology	4			
AT 101	Automotive Braking Systems I	2			
AT 102	Engine Repair	5			
AT 103	Practical Laboratory 0.	.5			
AT 110	Automotive Electrics I	5			
AT 111	Engine Performance I	6			
AT 112	Heating and Air Conditioning	3			
Total Required Units					
Recommen	nded Optional Course				
WT 100 In	troduction to Welding	WT 100 Introduction to Welding			

	Automotive Service Technician
Required Co	urses Unit.
AT 97	Work Experience in Automotive Technology
AT 100	Introduction to Automotive Technology 4
AT 101	Automotive Braking Systems I2
AT 102	Engine Repair5
AT 103	Practical Laboratory 0.5
AT 110	Automotive Electrics I5
AT 111	Engine Performance I 6
AT 112	Heating and Air Conditioning 3
AT 120	Suspension and Steering
AT 121	Automotive Braking Systems II
AT 122	Manual Drive Train and Axles
AT 130	Automotive Electrics II
AT 131	Engine Performance II
AT 132	Automatic Transmissions and Transaxles 3
	Or
AT 165	Clean Air Car Course4
Total Required Units	
Recommend	led Optional Course
WT 100	Introduction to Welding 3

BUSINESS ADMINISTRATION

	AC	CO	un	U	n
ses					

Required Cou	rses Units	S
Busad 1A	rses Units Principles of Accounting and4	
Busad 1B	Principles of Accounting 4	
	Or	
Busad 161A	Small Business Accounting I and4	
Busad 161B	Small Business Accounting II 4	
Busad 18	Business Law 4	
Busad 97	Work Experience in Business 4	
Busad 151	Finance and Investments 3	
Busad 158	Payroll Accounting3	
Busad 163	Business Mathematics 4	
Busad 164	Income Tax 3	
Cmpsc 30	Financial Worksheets on Computers 3	
Nine (9) Unit	ts Required from Computerized Accounting:	
Busad 152	Computerized Acctounting	
	for Business (Quick Books)	
Busad 153	Computerized Acctounting	
	for Business (MYOB)	
Busad 154	Computerized Acctounting	
-	for Business (Peachtree)	
Total Require	d Units41	
Recommende	d Optional Course	
Busad 53/	,	
Cmpsc 53	Project Management 3	
Busad 90	Business Administration Computer	
	Applications Laboratory 1	
Cmpsc 1	Computer Concepts & Information Systems 4	
Cmpsc 3	Operating systems	

Management

kequirea Cou	1262	Unit
Busad 1A	Principles of Accounting and	4
Busad 1B	Principles of Accounting	4
	Or	
Busad 161A	Small Business Accounting and	4
Busad 161B	Small Business Accounting II	4
Busad 18	Business Law	4
Busad 20	Principles of Business	3
Busad 24	Human Relations in Organizations	3
Busad 30	Principles of Marketing	
Busad 40	Principles of Management	3
Busad 150	Small Business Management	3
Busad 163	Business Mathematics	4
Cmpsc 1	Computer Concepts & Information System.	s 4
Econ 10	Principles of Economics	4
Econ 11	Principles of Economics	4
Total Require	d Units	43
Recommende	d Optional Course	
	Work Experience	Minimum 4

Retailing

Required Cou	rses Un	11
Busad 18	Business Law	4
Busad 20	Principles of Business	00000
Busad 24	Human Relations in Organizations	
Busad 30	Principles of Marketing	
Busad 160	Basic Accounting	-
Busad 161A	Small Business Accounting I	2
Busad 161B	Small Business Accounting II	4
Busad 163	Business Mathematics	4
Cmpsc 1	Computer Concepts & Information Systems	4
Econ 10	Principles of Economics	4
Oftec 132	Business Communications	
Total Require	d Units	(
Recommende	d Optional Courses	
Busad 40	Principles of Management	
Busad 97	Work Experience Minimum	4

Required Co	urses	Units
Cmpsc 3	Operating Systems	3
Cmpsc 9	UNIX Operating Systems	3
Cmpsc 15	Java Programming	3
Cmpsc 22	Programming Concepts & Methodology I	4
Cmpsc 24	Programming Concepts & Methodology II	4
Cmpsc 28	Visual Basic	3
Cmpsc 53/		
Busad 53	Project Management	3
Cmpsc 55	Database Management	4
Math 18A	Calculus I	4
Math 18B	Calculus II	4
ELECTIVES -	Choose two: (5-6 Units)	
Cmpsc 12	Website Development	2
Cmpsc 13	Intro to HTML	2
Cmpsc 41	Networking Essentials	3

Total Required Units

COMPUTER SCIENCE

Applied Computer Studies-Business Emphasis

Required Courses

ASSOCIATE IN SCIENCE (OCCUPATIONAL EDUCATION) MAJORS

Units

Cmpsc 1	Computer Concepts & Information Systems	
Cmpsc 4	Windows Operating Systems Essentials	1
Cmpsc 9	UNIX Operating Systems	3
Cmpsc 22	Programming Concepts & Methodology I Or	4
Cmpsc 15	Java ProgrammingOr	3
Cmpsc 28	Visual Basic Programming	3
Cmpsc 30	Financial Worksheets on Computers	3
Cmpsc 55	Database Management	4
Busad 1A	Principles of Accounting	4
Busad 1B	Principles of Accounting	4
Busad 40	Principles of Management	
Oftec 40	Beginning Word Processing	2
Total Require	od Units	2
Recommende	ed Optional Courses	
Oftec 41:	Intermediate Word Processing:	3
Busad 163: Cmpsc 53/	Business Mathematics	4
Busad 53:	Program Management	3

Geographic Information Systems

	reograpine initorination systems
Required Cou	urses Uni
Cmpsc 1	Computer Concepts & Information Systems
Cmpsc 4	Windows Operating Systems Essentials
Cmpsc 60	Introduction to GIS - ArcView
Cmpsc 65	GIS Applications
Cmpsc 70	Intro to Raster-Based GIS
Cmpsc 75	GIS Applications in Resource Management
Esc 5	Physical Geology
	Or
Esc 10	Environmental Geology
	Or
Geogr 15	Physical Geography Reading and Composition:Beginning
Engl 1A	
	Or
Engl 151	Preparation for College Composition
Fortc 153	Forest Surveying Techniques
Math 101	Algebra I: Fundamentals or equivalent
	Or
Higher level	algebra3
Natre 1	Environmental Conservation
Nartc 160	Aerial Photography & Map Interpretation
Total Require	ed Units
Recommende	ed Optional Courses
Busad 97	Work Experience (AutoCAD or GIS) minimum
Cmpsc 9	UNIX Operating Systems
Cmpsc 53/	South Will yard Emergeth Secretariation Control World in
Busad 53	Project Management
Cmpsc 55	Database Management
Cmpsc 58	GIS-ArcView
Cmpsc 59	GIS & GPS1-
Math 2	Elements of Statistics
Math 8	Trigonometry
Spcom 1	Fundamentals of Speech

EMERGENCY MEDICAL SERVICES

Required Co	urses Units
Biol 10	Human Anatomy
Biol 60	Human Physiology4 And
EMS 20	Basic Cardiology/Cardiac Dysrhythmias 3 Or
EMS 12	Pre-Paramedic Training 8
EMS 4	Emergency Medical Technician Training
EMS 13	Advanced First Aid/Emergency Care Or
EMS 157	First Responder Training 3
Total Requir	ed Units

FIRE TECHNOLOGY

Required Co	ourses	Units
EMS 4	Emergency Medical Technician Training	7
Fire 101	Firefighter I Academy	
Fire 106	Hazardous Materials First Responder "Operation	
Fire 108	Confined Space Awareness	0.5
Fire 110	ICS 200-Basic Incident Command System	1
Total Requi	red Units	24.5



FORESTRY TECHNOLOGY

Required Co	urses Units
Fores 1	Introduction to Professional Forestry 3
Fores 10	Dendrology 3
Fortc 153	Forest Surveying Techniques
Fortc 162	Applied Forest Inventory
Cmpsc 1	Computer Concepts & Information Systems 4
Engl 151	Preparation for College Composition 4
	Or
Higher level	English 3
Fire 7	Wildland Fire Control
Math 101	Algebra I: Fundamentals 5
	Or
Higher level	algebra3-5
Natre 1	Environmental Conservation
Natre 9	Parks and Forests Law Enforcement
Natre 30	Introduction to Watershed Management 3
Natre 50	Natural History and Ecology
Biol 24	General Ecology4
Nartc 160	Aerial Photography & Map Interpretation
Nartc 181	California Wildlife4
Total Require	ed Units
Recommend	ed Optional Courses
Oftec 100	Computer Keyboarding I
Oftec 110	Computer Keyboarding II 2

HOSPITALITY MANAGEMENT

Chef

Required Cou	Required Courses Units	
Hpmgt 102	Introduction to Hospitality Careers & Human	
	Relations 1.5	
Hpmgt 104	Hospitality Laws and Regulations 2	
Hpmgt 120	Safety and Sanitation 1	
Hpmgt 122	Restaurant Math 1	
Hpmgt 126	Nutrition for Chefs	
Hpmgt 128	Kitchen Management 3	
Hpmgt 133A	Introduction to Commercial Food Preparation 3	
Hpmgt 133B	Commercial Food Preparation4	
Hpmgt 134	Commercial Baking: Beginning2.5	
Hpmgt 136	Dining Room Service and Management I	
Hpmgt 140	Contemporary Cuisine	
Hpmgt 141	Restaurant Desserts2	
Hpmgt 142	Garde Manger 1	
Hpmgt 146	Dining Room Service and Management II	
Hpmgt 148	Introduction to Wines2	
Hpmgt 190	Culinary Arts Internship 2	
Total Required	1 Units	

Dinner Line Cook

		Diffiner Line Cook
	Required Co	
	Hpmgt 102	
		Relations 1.5
	Hpmgt 104	Hospitality Laws and Regulations 2
	Hpmgt 120	Safety and Sanitation 1
	Hpmgt 122	Restaurant Math
Ì	Hpmgt 126	Nutrition for Chefs
	Hpmgt 128	Kitchen Management 3
	Hpmgt 133A	
	Hpmgt 133B	Commercial Food Preparation4
11	Hpmgt 134	Commercial Baking: Beginning2.5
	Hpmgt 136	Dining Room Service and Management 2
	Hpmgt 142	Garde Manger 1
	Total Require	ed Units
	1	
		U-4-1 M
ı		Hotel Management
1	Required Cou	
ı	Hpmgt 20	Intro to Leisure Travel and Tourism 3
ı	Hpmgt 97	Work Experience
ı	Hpmgt 102	Introduction to Hospitality Careers & Human
ı	U	Relations1.5
I	Hpmgt 104	Hospitality Laws and Regulations
١	Hpmgt 112	Front Office Mgmt/Hotel Catering
I	Hpmgt 114	Intro to Maintenance and Housekeeping 1.5
I	Hpmgt 152	Restaurant Planning
I	Busad 1A	Principles of Accounting 4
I	Busad 160	Or Basic Accounting
I	busau 100	Or
I	Pusad 161A	(37)(E)
l		Small Business Accounting I 4
l	Total Require	d Units19
ı	Recommende	d Optional Course
ı	Oftec 5	Electronic Printing Calculators
l		
l		Pantry & Dessert Chef
l	Required Cou	rses Units
l	Hpmgt 102	Introduction to Hospitality Careers & Human
l		Relations1.5
l	Hpmgt 104	Hospitality Laws and Regulations
l	Hpmgt 120	Safety and Sanitation
l	Hpmgt 122	Restaurant Math 1
l	Hpmgt 126	Nutrition for Chefs
l	Hpmgt 128	Kitchen Management 3
	Hpmgt 133A	Introduction to Commercial Food Preparation 3
	Hpmgt 133B	Commercial Food Preparation4
ı	Hpmgt 134	Commercial Baking: Beginning
	Hpmgt 136	Dining Room Service and Management I 2
	Hpmgt 140	Contemporary Cuisine
	Hpmgt 141	Restaurant Desserts2

Hpmgt 142 Garde Manger 1 Hpmgt 148 Introduction to Wines.....

Total Required Units ...

Restaurant Management

ASSOCIATE IN SCIENCE (OCCUPATIONAL EDUCATION) MAJORS

Required Cou	rses	Unit
Busad 1A	Principles of Accounting	4
Busad 160	Basic Accounting	4
Busad 161A	Small Business Accounting I	4
Hpmgt 97	Work Experience	2
Hpmgt 102	Introduction to Hospitality Careers & Human	
	Relations	1.5
Hpmgt 104	Hospitality Laws and Regulations	2
Hpmgt 120	Safety and Sanitation	1
Hpmgt 122	Restaurant Math	1
Hpmgt 126	Nutrition for Chefs	
Hpmgt 128	Kitchen Management	
Hpmqt 133A	Introduction to Commercial Food Preparation	3
Hpmgt 133B	Commercial Food Preparation	
Hpmgt 134	Commercial Baking: Beginning	2.5
Hpmgt 136	Dining Room Service and Management I	2
Hpmgt 147	Beverage Management	
Hpmgt 152	Restaurant Planning	
Total Require	d Units	
	d Optional Course	
Hpmgt 148	Introduction to Wines	2

HUMAN SERVICES

Required Co		Cmpsc 70	Intro to Raster-Based GIS
Cmpsc 1	Computer Concepts & Information Systems 4	Cmpsc 75	GIS Applications in Resource Management
Guide 10A	Introduction to Helping Skills1.5		
Guide 10B	Intermed Helping & Basic Conflict Mgmt Skills 1.5	Total Requir	ed Units
Oftec 131	Office Procedures & Technology 3		
Psych 30	Personal and Social Adjustment 3	NAT	URAL RESOURCES TECHNOL
Socio 5	Ethnicity & Ethnic Relations in America		
Socio 12	Sociology of the Family 3	Required Co	ureae
	Or	Natre 1	Environmental Conservation
Child 22	Child, Family, Community 3	Natre 9	Parks and Forests Law Enforcement
Socio 97	Work Experience1	Natre 30	Introduction to Watershed Management
Child 1	Principles of Child Development	Natre 50	Natural History and Ecology
	Or	I Natie 50	Or
Guide 1	Career/Life Planning 3	Biol 24	General Ecology
	Or	Nartc 155	Interpretive Guided Tours
Psych 1	General Psychology 3	Nartc 160	Aerial Photography & Map Interpretation
	Or	Nartc 181	California Wildlife
Socio 1	Introduction to Sociology 3	Biol 179	Fishing and Fisheries
Total Require	ed Units23	Esc 10	Environmental Geology
Recommend	ed Optional Courses	LSC 10	Or
Psych 35	Intro to Drugs & Behavior	Esc 25	Geology of National Parks
Spcom 1	Fundamentals of Speech	Engl 151	Preparation for College Composition
Speciii 1	. C. Common or operation minimum or	2.19.101	Or

NATURAL RESOURCES

W	atershed Management Technology
Required Co	
Cmpsc 1	Computer Concepts & Information Systems4
Esc 5	Physical Geology
Esc 10	Environmental Geology
Geogr 15	Physical Geography3
Fores 10	Dendrology3
Fortc 153	Forest Surveying Techniques3
Natre 3	Natural Resources Law and Policy
Natre 9	Parks and Forests Law Enforcement2
Natre 22	Ecology/Use of Fire2
Natre 30	Introduction to Watershed Management3
Natre 50	Natural History and Ecology
Biol 24	General Ecology4
Nartc 160	General Ecology
Nartc 181	California Wildlife4
Plus Option	A or Option B
Option A	•
Cmpsc 60	Introduction to GIS - ArcView3
Draft 50A Option B	Computer Assisted Drafting I
Cmpsc 70	Intro to Raster-Based GIS

NATURAL RESOURCES TECHNOLOGY

equirea Col	
latre 1	Environmental Conservation 3
latre 9	Parks and Forests Law Enforcement2
latre 30	Introduction to Watershed Management 3
latre 50	Natural History and Ecology2
	Or
iol 24	General Ecology4
lartc 155	Interpretive Guided Tours 2
lartc 160	Aerial Photography & Map Interpretation
lartc 181	California Wildlife4
iol 179	Fishing and Fisheries1
sc 10	Environmental Geology3
	Or
sc 25	Geology of National Parks 3
ngl 151	Geology of National Parks
	Or
	Higher level English
ire 7	Wildland Fire Control3
ores 1	Introduction to Professional Forestry 3
ores 10	Dendrology 3
ortc 153	Forest Surveying Techniques3
1ath 101	Algebra I: Fundamentals or equivalent
	Or
	Higher level math course
otal Require	ed Units
ecommend	ed Optional Courses
Oftec 100	Computer Keyboarding I 1
	Or
Oftec 110	Computer Keyboarding II2

OFFICE TECHNOLOGY

	Administrative Assistant
Required Cou	urses Units
Oftec 5	Electronic Printing Calculators1
Oftec 20	Machine Transcription 2
Oftec 40	Beginning Word Processing 2
Oftec 41	Intermediate Word Processing 3
Oftec 42	Desktop Publishing I
Oftec 97	Work Experience
Oftec 120	Computer Keyboarding III
Oftec 125	Records Management and Filing Applications 3
Oftec 130	Business English
Oftec 131	Office Procedures and Technology
Oftec 132	Business Communications
Busad 1A	Principles of Accounting4
	Or
Busad 161A	Small Business Accounting I 4
Busad 40	Principles of Management
Busad 138	Excel Spreadsheets1
Cmpsc 10	Introduction to the Internet 1
Cmpsc 11	Presentations Using Computers and Multimedia 1
Cmpsc 155	Access1
	Or
Guide 25/	
Busad 25	Job Search & Interviewing Strategies1
Total Require	d Units40
Recommende	ed Optional Courses
Busad 53	Project Management 3
Spcom 1	Fundamentals of Speech3
	ditional requirement for this Major is a 50-word-per-minute

timed writing, within one (1) year of obtaining the Major.

	medical Office Specialist	
Required Co	ourses	Unit
Oftec 40	Beginning Word Processing	2
Oftec 50	Medical Terminology	
Oftec 52	Medical Insurance	3
Oftec 53A	Medical Transcription	2
Oftec 125	Records Management and Filing Applications	
Oftec 130	Business English	
Oftec 132	Business Communication	
Oftec 151	Medical Office Management	
Oftec 190	Medical Office Internship	
Busad 138	Excel Spreadsheets	1
EMS 153	CPR/First Aid	5
Total Requi	red Units	24
	Medical Transcription	
Required Co	ourses	Unit
Oftec 40	Beginning Word Processing	2
Oftec 41	Intermediate Word Processing	3
Oftec 50	Medical Terminology	3
Oftec 53A	Beginning Medical Transcription	2
Oftec 53B	Beginning Medical Transcription	2
Oftec 54	Radiology Transcription	1
Oftec 55	Cardiology Transcription	
Oftec 56	Orthopedic Transcription	
Ofter 57	Castroenterology Transcription	1

Pathology Transcription

Computer Keyboarding III

Computer Concepts & Information Systems.

Business English.

Oftec 58

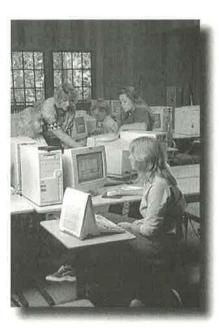
Oftec 120

Oftec 130

Total Required Units

Office Assistant

1363
Electronic Printing Calculators1
Beginning Word Processing 2
Intermediate Word Processing 3
Work Experience 2
Computer Keyboarding II 2
Records Management & Filing Applications 3
Business English 3
Office Procedures and Technology3
Business Communications 3
Introduction to the Internet 1
Presentations Using Computers and Multimedia 1
Access
Excel Spreadsheets1
Business Mathematics4
Job Search & Interviewing Strategies 1
d Units 31
d Optional Courses
Computer Keyboarding III



Lower Division Transfer Requirements For Public California Four-Year Colleges & Universities

Students should consult the catalog of the college for which they have catalog rights and to which they intend to transfer to ensure that all possible required lower division general education courses and prerequisites for their major are included in their Columbia College program of study.

Columbia College counselors will assist students in the selection of courses that fulfill both major and General Education Breadth Requirements.

The Career/Transfer Center staff will provide students the latest articulation information between Columbia College and the CSU and UC campuses with which agreements have been completed. Agreements are available for some community colleges and independent four-year colleges.

The responsibility for fulfilling requirements rests with the student.

California State University System (CSU) Transfer Information

The California State University system (CSU) has established the following campuses:

California State University, Bakersfield

California State University, Channel Island

California State University, Chico

California State University, Dominguez Hills

California State University, Fresno

California State University, Fullerton

California State University, Hayward

California State University, Long Beach

California State University, Los Angeles

California Maritime Academy

California State University, Monterey Bay

California State University, Northridge

California State Polytechnic University, Pomona

California State University, Sacramento

California State University, San Bernardino

California Polytechnic State University, San Luis Obispo

California State University, San Marcos

California State University, Stanislaus

Humboldt State University

San Diego State University

San Francisco State University

San Jose State University

Sonoma State University

CSU Admission

As an Undergraduate Transfer (Transfer **Requirements)** — You will qualify for admission as a transfer student if you have a grade point average of 2.0 (C) or better in all transferable units attempted, are in good standing at the last college or university attended, and meet any of the following standards:

- ➤ You will meet the freshman admission requirements (courses and tests scores) in effect for the term to which you are applying. (See Admissions Application: "Freshmen Requirements" section)
- ➤ You were eligible as a freshman at the time of high school graduation and have been in continuous attendance in an accredited college since high school graduation.
- ➤ You were eligible as a freshman at the time of high school graduation except for the subject requirements, have made up the missing subjects at a high school or college, and have been in continuous attendance in a accredited college since high school graduation.
- ➤ You have completed at least 60 transferable semester (90 quarter) units and meet the requirements listed below based on your high school graduation date. Nonresidents must have a 2.4 grade point average or better. Full junior status requires 60 transferable semester units.
- ➤ Applicants who graduated from high school 1988 or
 - You have completed all subject requirements in effect when you graduated high school (you can use both high school and college coursework), or:
 - You have completed at least 30 semester units of college coursework with a grade of **C** or better in each course to be selected from courses in English, arts and humanities, social science, science and mathematics at a level at least equivalent to courses that meet general education requirements. The 30 units must include all of the general education requirements in communication in the English language and critical thinking (at least 9 semester units) and the requirement in mathematics/ quantitative reasoning (usually 3 semester units) OR the Intersegmental General Education Transfer Curriculum (IGETC) requirements in English communication and mathematical concepts and quantitative reasoning.
- ➤ Applicants who graduated from high school *prior to*
 - You have completed 4 years high school English and 2 years high school math, with grades C or better, or:
 - You have completed a baccalaureate course with a grade of C or better that meets the general education requirement in written communication and a course with a grade of **C** or better that meets the general education requirement in mathematics/ quantitative reasoning or the Intersegmental General Education Transfer Curriculum (IGETC)





requirements in English composition and mathematical concepts and quantitative reasoning. The course meeting either general education math requirement must be above the level of intermediate algebra.

- A maximum of 70 semester (105 quarter) units earned in a community college may generally be transferred to the California State University and applied toward the baccalaureate degree.
- Students transferring with full certification of lower division general education requirements are assured that they have met 39 of the 48 unit minimum requirements for the Bachelors Degree. Students transferring without certification of general education must complete the pattern of courses required of "native" students as outlined in the catalog of the particular state university. The CSU General Education Breadth Requirements (See pgs. 41-42) and the Intersegmental General Education Transfer Curriculum (IGETC, pgs. 43-44) are the two patterns of courses which Columbia College uses to certify that the student has met the required minimum semester units of general education.

Transcripts — Request that official transcripts be sent directly from all colleges or universities previously attended even if there is no applicable or completed coursework. Transcripts must be received in sealed envelopes from each institution attended. You should keep personal copies of all transcripts and test scores for academic advising sessions and to complete the admission application.

If transferring with fewer than 60 transferable semester (90 quarter) units of study, you must also submit your high school transcript. Applicants with 60 or more transferable semester units may be asked to submit high school transcripts if

admissibility cannot be determined by the college or university tran-

Test Scores — Freshman and transfer applicants who have fewer than 60 semester or 90 quarter units of transferable college credit must submit scores, unless exempt from either the Scholastic Assessment Test (SAT I) of the College Board or the American College Testing Program (ACT).

If you are applying to an impacted program and are required to submit test scores, you should take the test no later than early December if applying for fall admission or no later than November if applying to San Luis Obispo. Test scores are also used for advising and placement purposes. Registration forms and dates for the SAT I or ACT are available from high school or college counselors or from a CSU campus testing office. Or you may write to or call:

The College Board (SAT I),

Registration Unit P.O. Box 592

Princeton, NJ 08541 609,771.7588

American College Testing Program (ACT)

Registration Unit P.O. Box 168 Iowa City, IA 52240 319.337.1270

TOEFL Requirement — All undergraduate applicants, regardless of citizenship, who have not attended schools at the secondary level or above for at least three years full time where English is the principal language of instruction must present a score of 480 or above on the Test of English as a Foreign Language

Required Placement Tests — The CSU requires new students to be tested in English (English Placement Test-EPT) and mathematics (Entry Level Mathematics Test-ELM) as soon as possible after they are admitted. These are not admission tests but determine eligibility to enroll in specific courses. Completion of specified English and mathematics courses taken at the community college level may exempt you from these tests.

Immunization — All new and readmitted students born after January 1, 1957, will be notified of the requirement to present proof of measles and rubella immunizations. This is not an admission requirement, but is required of students by the beginning of their second term of enrollment in CSU. Proof of measles and rubella immunizations is also required for certain groups of enrolled students who have increased exposure to these diseases.

Health Screening — Students admitted to California Maritime Academy will be required to have a complete physical examination prior to entry to determine qualifications for a merchant marine license. Cal Maritime will provide the necessary physical examination form.

Educational Opportunity Program (EOP) Admission Requirements — Each CSU campus has an Educational Opportunity Program for low-income undergraduate students who are disadvantaged because of their economic or educational background. EOP serves California residents who do not meet regular admission criteria, as well as those who qualify for regular admission, if they have a history of low income and need academic and financial assistance.

If you wish to be considered for admission through EOP, you must so indicate on the application. In addition, you must complete and submit the forms included in the **EOP Information and Supplementary** Application booklet. The EOP booklet is available at each CSU campus EOP office and the Columbia College EOP&S Office. Submission of an EOP application which results in ineligibility will delay processing of your application for regular admission.

Because the number of EOP places is limited, you should file your application forms early in the filing period. Before doing so, however, please consult with the EOP Office at the campus of your choice and an EOP&S counselor at Columbia College.

International (Foreign) Student **Admission Requirements** — The CSU must assess the academic preparation of foreign applicants. For this purpose, "foreign students" include those who hold U.S. visas as students, exchange visitors, or other non-immigrant classifications.

The CSU issues separate requirements and application filing dates in the admission of foreign students. Verification of English proficiency (see the TOEFL section on previous page), financial resources, and academic performance are all important considerations. Official academic records from foreign institutions must be on file at least eight weeks before registration for the first term and, if not written in English, must be accompanied by certified English translations. Priority for admission is given to California residents.

Selection of Major — The majors offered at each campus are listed in the back of the CSU application booklet. You should review program descriptions in campus catalogs before you file your application; options within programs at one campus may be similar to differently named programs at other campuses. If you are uncertain about your major, some campuses accept students who are uncertain about their major (undeclared). We encourage you to use this category if you are unsure about what field to pursue. There are advising and information resources available on each campus to help you select an appropriate major.

Choice of Campus — The CSU application allows you to designate the CSU campus of your choice and an alternate campus to which your application will be forwarded in the event your first choice campus cannot accommodate you. When designating an alternate campus, be sure that your major or alternate major is offered at that campus.

The CSU accepts most applications at the first choice campus in the first choice major during the initial filing period. Most campuses consider applications for an alternate major before forwarding the application to the alternate campus. When designating an alternate campus, you should be certain that the major or alternate major is offered and not impacted at the alternate campus (See Impacted Programs) and the alternate campus is still accepting applications. It is not possible for your application to be redirected to impacted campuses and programs.

It is generally unnecessary to file more than one application to CSU during the initial filing period; however see the following section on Impacted Programs. During periods of high demand and limited resources, some campuses may not accept applications for winter, spring or summer

If you choose to apply to more than one CSU campus photocopies of your original application may be used provided each copy has an original signature. Be sure, however, to make appropriate changes to campus and major items (1,3, and 10a, b).

The CSU assigns highest admission priority to California Community College transfer students who have completed the first two years of their baccalaureate program, including those applying for impacted programs. In addition, CSU campuses will make every effort to see that California Community College

transfer students originally eligible for admission as first-time freshmen are admitted to their first choice CSU campus.

If time allows and enrollment capacities have not been reached, you may change your campus choice after filing your application by writing the campus you wish to attend.

Impacted Programs - The CSU designates programs as impacted when more applications are received in the first month of the filing period than can be accommodated. Some majors are impacted at every campus where they are offered; others may be impacted only at some campuses. Applicants to impacted majors must file an application for admission during the first month of the filing period and will be subject to supplementary admission criteria. If you apply by mail, the postmark will be used to determine if you filed in the first month. Priority for admission to impacted programs is given to California residents.

If you wish to be considered in impacted majors at two or more campuses, you must file an application to each. The CSU announces each fall the majors that are impacted and the supplementary criteria required by the campuses. That announcement is published in the CSU REVIEW distributed to high school and college counselors. Information about the supplementary criteria is also sent to program applicants.

Last year, several programs were impacted at every CSU campus offering the programs. If you apply to one of these programs and are not accommodated, you can be redirected only in an alternate major that is not impacted.

Need Transportation to Columbia College?

Convenient public bus transportation is available to and from handy locations throughout Tuolumne and Calaveras Counties.



532.0404

www.tctrans.net

754.4450 www.calacog.org

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Advanced Placement Examination Credit for Columbia College AA/AS and CSU General Education Breadth Requirements

Students must have scored 3,4, or 5 on an Advanced Placement examination listed below to receive the credit indicated. All CSU campuses will accept the minimum units shown below toward fulfillment of the designated General Education-Breadth area if the examination is included in a full or subject-area certification; individual CSU campuses may choose to accept more units than those specified below towards completion of General Education-Breadth requirements. The CSU campus to which the student is transferring determines the total number of units awarded for successful completion of an Advanced Placement examination and the applicability of the examination to other graduation requirements. As of 1998-99, the Columbia College catalog reflects the CSU GE Breadth pattern numbering system as per E.O. 595, for the Associate Degree and CSU GE Areas. General Education credit will be awarded on the transcript without using the specific Columbia College equivalent course.

Minimum Score Required	Number of Units Applicable to CSU General Education-Breadth Requirements for Students Obtaining Full or Subject-Area Certification	Columbia College G.E. Pattern for the AA/AS Breadth Requirements
3	3 semester units toward Area C1	C1
3	3 semester units toward Area B2	B2 & B3
3	6 semester units toward Area B1/B3	B1 & B3
3	3 semester units toward Area D2	D2
3	3 semester units toward Area D2	D2
omp 3	3 semester units toward Area A2	A2
3	6 semester units toward Areas A2 &C2	A2 & C2
3	6 semester units toward Area C2	C2
3	6 semester units toward Area C2	C2
3	6 semester units toward Area C2	C2
3	3 semester units toward Area D8	D8
rtv. 3	3 semester units toward Area D8	D8
3	3 semester units toward Area D6	D6
3	3 semester units toward Area D6*	D6*
3	3 semester units toward Area C2	C2
3	3 semester units toward Area C2	C2
3	3 semester units toward Area B4	B4
3	3 semester units toward Area B4	B4
3	3 semester units toward Area C1	C1
3	6 semester units toward Area B1 & B3	B1 & B3
3	3 semester units toward Area B1 & B3	B1 & B3
etism) 3	3 semester units toward Area B1 & B3	B1 & B3
3	3 semester units toward Area D9	D9
3	6 semester units toward Area C2	C2
3	6 semester units toward Area C2	C2
3	3 semester units toward Area B4	B4
	Required 3 3 3 3 3 3 5 5 6 7 7 7 8 7 8 7 8 7 8 7 8 8 7 8 8 8 8 8	Minimum Score Required 3 3 semester units toward Area C1 3 3 semester units toward Area B2 3 6 semester units toward Area B1/B3 3 3 semester units toward Area D2 3 6 semester units toward Area A2 4 6 semester units toward Area A2 5 6 semester units toward Area A2 6 semester units toward Area C2 3 6 semester units toward Area C2 3 6 semester units toward Area C2 3 7 semester units toward Area D8 4 7 semester units toward Area D8 5 semester units toward Area D6 5 semester units toward Area D6 5 semester units toward Area D6 5 semester units toward Area C2 5 semester units toward Area D6 5 semester units toward Area C2 5 semester units toward Area B4 5 semester units toward Area B4 5 semester units toward Area B4 5 semester units toward Area B1 & B3 6 semester units toward Area B1 & B3 7 semester units toward Area B1 & B3 8 semester units toward Area B1 & B3

^{*}Does not meet CSU E.O. 405

Supplementary Admission Criteria - Supplementary admission criteria may include overall grade point average and a combination of campus-developed criteria. If you are required to submit scores on either the SAT I or the ACT, you should take the test no later than early December if applying for fall admission or November if applying to San

Luis Obispo.

Please consult with any CSU campus Admission or Relations with Schools Office for further information

University of California Transfer Requirements

The University of California system has established the following campuses:

University of California, Berkeley
University of California, Davis
University of California, Irvine
University of California, Los Angeles
University of California, Merced
University of California, Riverside
University of California, San Diego
University of California, San
Francisco (medical majors only)

University of California, Santa Cruz

University of California, Santa

Barbara

Selecting Campuses and Programs of Study

The University encourages you to approach your selection of University campuses and programs carefully. You may be familiar with only one or two of the University's nine general campuses, probably those nearest your home or those mentioneed more frequently in the news. However, you should consider the many different educational alternatives and programs offered by all the campuses before you make your selections and complete your application. Each of the nine general campuses offers a full range of undergraduate programs.

For each campus you apply to, you must choose a major and indicate your choice on your application. You may choose the same major at all campuses or a different major at each one. You may also select an alternate major at some campuses, although there is no guarantee that you will be admitted to the alternate major if you are denied admission to your first choice.

You may apply to some schools or colleges at all of the campuses using the Undeclared, Undecided major option if you have not vet decided on an area of study. The University encourages you to apply as Undeclared rather than indicate a major that does not interest you. If you wish to apply as Undeclared, check with the campus(es) first because the options available to Undeclared majors vary from campus to campus. If you apply for one major and later request a change to another, campuses will make every effort to honor your request but there is no guarantee. When making your selections, keep in mind that some campuses and programs are highly competitive and can accept only a limited number of students each year. The University encourages you to apply to additional campuses that interest you to increase your chance of being admitted to one of your choices.

Undergraduate Programs

The undergraduate programs offered by each campus, and the concentrations available within these programs, are listed in the admissions application.

All campuses offer the general courses required for admission to professional schools in the health sciences, business, and law. The University does not offer formal preprofessional majors, however some campuses offer special undergraduate programs that include all the professional school prerequisites.

If you have any questions about academic programs, contact the Admissions or Relations with Schools Office at the campus you wish to attend.

Admission as a Transfer Student

The University considers you a transfer applicant if you graduated from high school and enrolled in a regular session at a college or university. Do not disregard your college record and apply as a freshman.

If you plan to attend Columbia College before applying to the University, you should take courses that are UC transferable, that satisfy University and college requirements, and that fulfill admission. lower division general education and prerequisite courses in your major. Advisors in the Admissions Office at the campus you wish to attend and Columbia College counselors can help you with your planning. UC will not grant unit credit toward graduation for coursework completed in excess of 70 lower division transferrable semester units. (See also UC Transferable Course Agreement on page 65 and the Intersegmental General Education Transfer Curriculum (IGETC) on pages 43-44.) The University publishes a booklet especially for transfer applicants called Answers for Transfers. It is available in the Career/ Transfer Center on campus.

Minimum Eligibility Requirements for Transfer to UC

When there are more eligible applicants than spaces available, each campus uses academic criteria alone, i.e., academic coursework, grade point average, SAT or ACT results, and achievement test scores, to select between 40 and 60 percent of those accepted. Each campus uses a combination of academic and supplemental criteria to select the remaining admittees. If the number of applicants exceeds the spaces available for a particular campus or major, the campus uses criteria that exceed the minimum requirements to select students. Meeting the minimum requirements, therefore, is not enough to gain admission to many UC campuses and

The selection criteria for each academic year described in the UC publication *Introducing the University* and some campus catalogs may be found



in the Career/Transfer Center. The criteria vary from year to year and from campus to campus.

All UC campuses are on the quarter calendar except Berkeley, which is on the semester system. The quarter calendar often prohibits mid-year transfer because the end of the fall semester (typically late January) and the beginning of the winter quarter (early January) overlap. Therefore, you often cannot transfer to the University for the winter quarter if you enroll in a community college or other institution with a fall semester that does not end prior to January 1.

For California Residents

There are three ways in which you can meet the UC's minimum admission requirements for transfer students. These requirements are described below. In all cases, you must have at least a C (2.0) average in all transferable

- 1. If you were eligible for admission to the UC when you graduated from high school--meaning you satisfied the Subject, Scholarship, and Examination Requirements--you are eligible to transfer if you have a C (2.0) average in your transferable college coursework.
- 2. If you met the Scholarship Requirement, but did not satisfy the Subject Requirement, you must take college courses in the subjects you are missing to be eligible to transfer. You will need to earn a grade of C or better in each of these required courses, and an overall **C** (2.0) average in all transferable college coursework. If you completed less than 12 quarter or semester units of transferable college coursework, you must also satisfy the Examination Requirement.
- 3. If you were not eligible for admission to the UC when you graduated from high school because you did not meet the Scholarship Requirement, or you did not meet the Scholarship Requirement and did not complete all the required "a-g" subjects, you must:
 - a. Complete a minimum of 90 quarter units or 60 semester units of transferable college credit with a grade point average of at least 2.4, and satisfy either (b) or (c) as follows.
 - b. Take college courses in the subjects you are lacking and earn a grade of C or better in each one. (The University will waive up to two units of the required high school coursework except in mathematics and
 - c. Complete one college course in mathematics, two in English, and four selected from either U.S. history, laboratory science, or language other than English. You must earn a grade of C or better in each course.

Nonresidents

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

Articulation System Stimulating Interinstitutional Student Transfer (ASSIST)

As a prospective transfer student, it is important to make sure your community college courses are acceptable to the UC or CSU for transfer credit. ASSIST is California's official statewide repository of transfer information, offering easy access to a single database. ASSIST can help you determine if you will receive credit for courses you have already taken and how those courses apply to general education (IGETC or CSU GE Breadth), major preparation requirements and elective credit. (www.assist.org)

CALIFORNIA ARTICULATION NUMBER (CAN) SYSTEM

The California Articulation Number (CAN) System identifies many transferable, lower-division, major preparation courses commonly taught on California College and University campuses. Courses in the CAN System are primarily lower-division preparation for the major, but may also be used to meet other requirements. The system assures students that CAN courses on one participating campus will be accepted in lieu of the comparable CAN courses on another participating campus. For example: CAN ECON 2 on one campus will be accepted for CAN ECON 2 on every other participating campus. There are also CAN Sequences (SEQ A, B, etc.). A sequence means all courses in the sequence at one college must be completed in order to qualify for meeting the sequence for another college. Each campus retains its own numbering system, but adds the CAN designation parenthetically in its publications. Check with the Counseling Office, departmental office, Career/Transfer Center, or Articulation Officer for current listings of CAN courses and campuses participating in the CAN system. A CAN catalog listing campuses and courses is published biannually. The following Columbia College courses have been approved as CAN qualified as of the printing of this catalog:

CAN Subject	Columbia's	Columbia's	Effective
Prefix Number	Course No.	Course Title	Date
CAN ANTH 2	ANTHR 1	Physical Anthropology	590
CAN ANTH 4	ANTHR 2	Cultural Anthropology	\$90
CAN ANTH 6	ANTHR 10	Archaeology & Cultural Prehistor	y F03
CAN ART 2	ART 11	History of Art: Ancient & Mediev	al F96
CAN ART 4	ART 12	History of Art: Renaissance, Baroque, & Modern	F96
CAN ART 6	ART 31	Ceramics: Introductory	500
CAN ART 8	ART 1	Basic Freehand Drawing	F96
CAN ART 10	ART 21A	Painting: Beginning	F96
CAN ART 14	ART 2	Basic Color & Design	F96
CAN ART 18	ART 40	Photography: Beginning	F00

CAN Subject Preflx Number	Columbia's Course No.		fective Date
CAN ART SEQ A	ART 11+12	History of Art: Ancient and Medieval + Renaissance,	S98
		Baroque, & Modern	
CAN BIOL 2	BIOL 2	Principles of Biology	F96
CAN BIOL 4	BIOL 4	Principles of Animal Biology	F96
CAN BIOL 6	BIOL 6	Principles of Plant Biology	F96
CAN BIOL 10	BIOL 10	Human Anatomy	F96
CAN BIOL 12	BIOL 60	Human Physiology	F96
CAN BIOL 14	BIOL 65	Microbiology	F96
CAN BIOL SEQ A	BIOL 2+4+6	Principles of Biology + Principles of Animal Biology + Principles	S98
CAN BIOL SEQ B	BIOL 10+60	of Plant Biology Human Anatomy + Human Physiology	S98
CAN BUS 2	BUSAD 1A	Principles of Accounting	F96
CAN BUS 4	BUSAD 1B	Principles of Accounting	F96
CAN BUS 12	BUSAD 18	Business Law	F98
CAN BUS SEQ A	BUS AD 1A+1B		598
CAN CHEM 2	CHEM 1A	General Chemistry	590
CAN CHEM 4	CHEM 1B		590
CAN CHEM 6	CHEM 10	General Chemistry	
		Fundamentals of Chemistry	500
CAN CHEM SEQ / CAN CSCI 2	A CHEM 1A+1B CMPSC 1	General Chemistry Computer Concepts & Information Systems	F97 S00
CAN CSCI 10	CMPSC 40	Assembly Language Programming	F96
CAN CSCI 22	CMPSC 22	Programming Concepts & Methodology I	F01
CAN CSCI 24	CMPSC 24	Programming Concepts and Methodology II	S00
CAN DRAM 8	DRAMA 42	Acting Fundamentals	F96
CAN DRAM 16	DRAMA 56	Technical Theatre Laboratory	F03
CAN DRAM 18	DRAMA 10	Introduction to the Theatre	502
CAN ECON 2	ECON 10	Principles of Economics	590
CAN ECON 4	ECON 11	Principles of Economics	590
CAN ENGL 2	ENGL 1A	Reading & Composition: Beg.	F00
CAN ENGL 4	ENGL 1B	Reading & Composition: Adv.	F00
CAN ENGL 6	ENGL 10	Creative Writing	F00
CAN ENGL 8	ENGL 46	Survey of English Literature	F00
CAN ENGL 10	ENGL 47	Survey of English Literature	F00
CAN ENGL 10	ENGL 17	American Literature	F00
CAN ENGL 14	ENGL 18	American Literature	F00
TO A TOTAL CONTRACTOR OF THE PARTY OF THE PA			
CAN ENGL SEQ A	ENGL 1A+1B	Reading and Composition:	F00
CAN ENCL SEO D	ENICL 46.47	Beginning + Advanced	F00
CAN ENGL SEQ B		Survey of English Literature	F00
CAN FCS 2		American Literature + American Literature	F00 F96
CAN FCS 2 CAN FCS 14	BIOL 50	Nutrition	
	CHILD 1	Principles of Child Development	503
CAN GEOG 2	GEOGR 15	Physical Geography	S95
CAN GEOG 4	GEOGR 12	Cultural Geography	F94
CAN GEOL 2	ESC 5	Physical Geology	S95
CAN GOVT 2	POLSC 10	Constitutional Government	S90
CAN HIST 8	HIST 16	United States: to 1877	F96
CAN HIST 10	HIST 17	United States: 1877 to present	F96
CAN HIST 14	HIST 13	World Civilizations: to 1650	F01
CAN HIST 16	HIST 14	World Civilizations: 1650 to Present	
CAN HIST SEQ B	HIST 16+17	United States: to 1877 + United States: 1877-Present	S98
CAN HIST SEQ C	HIST 13+14	World Civilizations: To 1650 + World Civilizations: 1650 to Present	
CAN JOUR 2	JRNAL 1	Introduction to Journalism	500
CAN MATH 2	MATH 6	Math for Liberal Arts	F97
CAN MATH 4	MATH 4A	Mathematics for Elementary School Teachers	502
CAN MATH 8	MATH 8	Trigonometry	S03
CAN MATH 10	MATH 10	College Algebra	S02
CAN MATH 12	MATH 12	Finite Mathematics	F97
CAN MATH 16	MATH 16	Precalculus	F96
CAN MATH 18	MATH 18A	Calculus I: Differential	F96
CAN MATH 20	MATH 18B	Calculus II: Integral	F96
CAN MATH SEQ B		BCalculus I + Calculus II	598
CAN MUS 8	MUSIC 10	Survey of Music History & Literature	
CAN PHIL 2	PHILO 1	Introduction to Philosophy	F94
CAN PHYS 2	PHYCS 4A	Introductory Physics I: Trigonometry Level	F01
CAN PHYS 4	PHYCS 4B	Introductory Physics II: Trigonometry Level	F01
CAN PHYS 8 CAN PHYS 12	PHYCS 5A PHYCS 5B	Introductory Physics I Introductory Physics II	F97 F97

CAN Subject Preflx Number	Columbia's Course No.	Columbia's Course Title	Effective Date
CAN PHYS SEQ A	PHYCS 4A+4B	Introductory Physics I and II: Trigonometry Level	S02
CAN PSY 2	PSYCH 1	General Psychology	F96
CAN SOC 2	SOCIO 1	Introduction to Sociology	S90
CAN SOC 4	SOCIO 2	American Society	S95
CAN SPAN 2	SPAN 1A	Spanish: Beginning	\$95
CAN SPAN 4	SPAN 1B	Spanish: Beginning	\$95
CAN SPAN 8	SPAN 2A	Spanish: Intermediate	F96
CAN SPAN 10	SPAN 2B	Spanish: Intermediate	F96
CAN SPAN SEQ A	SPAN 1A+1B	Spanish: Beginning	S98
CAN SPAN SEQ B	SPAN 2A+2B	Spanish: Intermediate	\$98
CAN SPCH 4	SPCOM 1	Fundamentals of Speech	F00
CAN SPCH 6	SPCOM 2	Argumentation	F00
CAN STAT 2	MATH 2	Elements of Statistics	590

Additional courses might have qualified for or been removed from the CAN System after the printing of this catalog. Check with the counseling department or the Transfer Center for the most current information. Columbia College articulates many other courses with many colleges and universities (public and private), in addition to those on the above list. See course descriptions for (UC/CSU) transfer designations and check in the Transfer Center or with a counselor for articulation agreements. Updated information can be obtained from www.cansystem.org.

Transfer Admission Agreement (TAA)

Columbia College has available guaranteed admission agreements with the University of California campuses at Davis, Riverside, Santa Cruz and Sonoma State University. The purpose of the TAA is to guarantee to students admission to the university or college with which the TAA has been contracted. The TAA assures students that the courses to which they have committed will meet requirements for admission, general education and lower division major preparation. The TAA should be written at least one year prior (completion of 30 transferable units) to enrollment in the four-year university or college to which the student is transferring and cannot be used for any term other than the one indicated in the signed agreement. If you plan to transfer to any one of these four campuses, you must see a counselor as soon as possible in order to initiate the Transfer Admission Agreement process. There are strict deadlines for UC Davis at this time and TAA'S may not be available for all quarters/semesters of the academic year.

UNIVERSITY OF CALIFORNIA

Transferable Course Agreement (TCA)

The Transferable Course Agreement is available at http://www.assist.org. Please contact a counselor or the Transfer Center staff for additional information.

COURSE INFORMATION

Numbering of Courses

1 to 99	Designated baccalaureate- level courses.
94	Designated Honors courses. (See below)
100 to 199	Not intended for transfer, but may be accepted for transfer credit by agreement with specific four-year colleges and universities.
200 to 299	Non-degree applicable courses.
300 & above	Non-credit courses. (These courses are not listed in the College Catalog but are listed in the Schedule of Classes for each academic term.)

Course Articulation With Other Colleges

Columbia College articulates many of its courses with other public and private twoand four-year colleges and universities. Please ask your counselor or the Career/Transfer Center Technician for information related to agreements which identify courses that will transfer and those that meet lower-division preparation for the major.

Transferability of Courses

Courses that transfer to the California State University System(CSU) and/or the University of California System (UC) are so designated in parentheses following the course description:

(CSU) —Transfer to CSU System

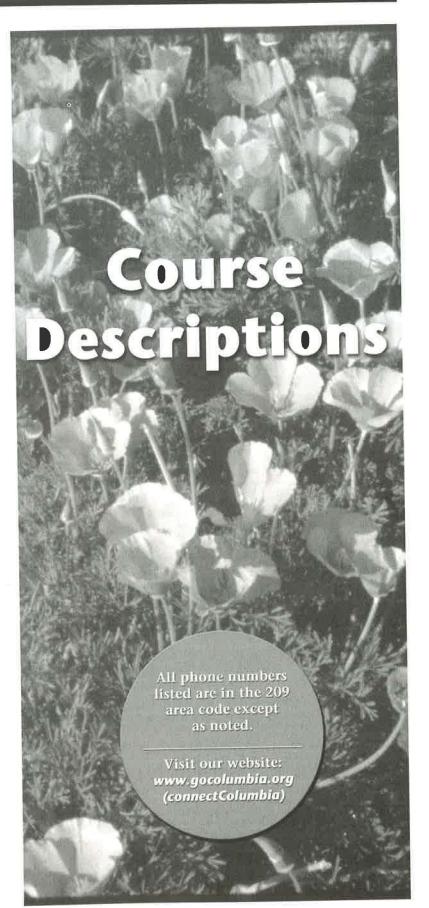
(UC) — Transfer to UC System

(UC/CSU) — Transfer to both systems

(UC under review)

(CSU*) and (UC*) — Transfer credit limited. See a counselor.

Students must understand that some courses designated as baccalaureate level may not meet certain requirements at the transferring institution; however, they may be used for elective credit at the discretion of the transfer school. Several new courses are under review and should not be considered for transfer until official approval has been received. Check with the Articulation Officer for status of these courses.



California Articulation Number System (CAN)

Columbia College participates in the California Articulation Number (CAN) System. An explanation of CANdesignated courses can be found on page 64.

Course Description

ANTHROPOLOGY

A course description is given for each credit course offered by the College. Students should refer to the course description for information concerning course prerequisites and allocation of class hours for lecture, laboratory, field trips, or other required learning activities. Refer to page 23 for important prerequisite information.

Courses Not Listed in the Catalog

1. Non-Credit Courses

In an effort to meet some of the special interest needs of the populations served by the College, non-credit courses are usually offered each semester. These courses are traditionally offered either through Continuing Education or Community Services sponsorship. Non-credit courses cannot be applied toward fulfilling graduation, transfer, or vocational education programs, but such courses do provide information and/or training on a variety of topical subjects.

2. 70/170 Courses: Special Topics

Instruction in a variety of special topics within broader discipline areas (such as child development). Lecture and/or laboratory hours and units of credit may vary. May be repeated with different topics only. Transferability may vary. Check with school to which student is transferring.

3. 98/198 Courses: Experimental Courses

Lecture and/or laboratory hours and units of credit may vary. Classes in which a particular topic in a discipline (such as history) is treated with in-depth study. The topic, the number of units and hours, and prerequisites (if any), will be determined in advance and published in the Schedule of Classes. Note that 98/198 courses may be repeated for credit with different topics only. For UC campuses, these courses may transfer for elective or other credit and will not fulfill requirements unless pre-authorized. It is the student's responsibility to have the course pre-authorized by the appropriate UC department chair and admissions office.

4. 99/199 Courses: Independent Study

Independent study courses are intended to give students an opportunity to independently research specialized areas not available as regular course offerings of the College. They are designed to meet specific student interests and may be made available in any subject matter area. Consult your advisor for specific procedures. (See page 25 for conditions, limitations.) For UC campuses, these courses may transfer as electives or other credit as pre-authorized by the transfer school. It is the student's responsibility to have the

course pre-authorized by the appropriate UC department chair and admissions office.

Course Repetition

Courses may be repeated for credit only if: (1) the student has received a substandard grade (D, F, or NC) or (2) the course is approved as repeatable by the College Curriculum Committee and is so identified in this catalog. See page 24 for more information.

Credit Value

The number after the course indicates the unit credit value of the course. Courses listed in this catalog are described in semester units. One quarter unit equals .667 semester units.

Field Trips

Field trips may be required in a number of courses where such a statement is not currently a part of the course description.

Honors Program

The Honors Program provides opportunities for students to participate in special coursework that will challenge their competencies and bring together the depth and breadth of their acquired knowledge in a focused area of study. All students with at least 24 or more units earned at Columbia College and a cumulative GPA of 3.5 or better must be invited to enroll by written notice.

ANTHROPOLOGY

ANTHR 1: PHYSICAL ANTHROPOLOGY 3 Units

(CAN ANTH 2)

Lecture: 3 hours

Humankind and our evolutionary history with emphasis on recent developments; primatology; the fossil sequence beginning with prehuman through the Paleolithic era to the domestication of plants and animals and the dawn of civilization and contemporary hunter-gatherers. (UC/CSU) (MJC ANTHR 101)

ANTHR 2: **CULTURAL ANTHROPOLOGY 3 Units**

(CAN ANTH 4)

Lecture: 3 hours

The study of preliterate societies and the concept of culture basic to anthropology. Emphasis is on methods of field work, cultural ecology, language, social and political structure, the psychological perspective, religion, cultural change and the cultural future of humanity. (UC/CSU) (MJC ANTHR 102)

1-3 Units

3 Units ANTHR 3: CURRENT ISSUES IN **ANTHROPOLOGY**

Recommended for Success: Engl 151

3 hours Lecture:

Intra-specific aggression, territoriality, population control, primate social organization, intra- and inter-species communication, and the present and future trends in social organization, war, religion, and cultural change. (UC*/CSU) (*Transfer credit limited. See a counselor.)

ANTHR 7: GENDER, CULTURE 3 Units **AND SOCIETY***

3 hours Lecture:

The course takes an inclusive bio-cultural evolutionary perspective on gender, focusing on non-human primate societies as well as primitive (small scale) and modern (large scale) human societies. Factors such as culture, ecological conditions and historical circumstances, forces of stratification (e.g. age, social class), socialization (e.g. rites of passage, conformity & deviance) as well as the science (e.g. concepts, theories & methods) of studying these topics will be addressed. Though course readings will represent many disciplines, the foundation readings reflect the perspectives of bio-cultural anthropology as well as sociology. This emphasis addresses the fundamental assumption that while sex differences are biological, gender encompasses the traits that culture assigns and inculcates (with varying degrees of success) in males and females.

*Credit may be earned for either Anthr 7 or Socio 7, but not

ANTHR 10: ARCHAEOLOGY AND 3 Units **CULTURAL PREHISTORY**

(CAN ANTH 6)

3 hours Lecture:

This course is an introduction to anthropological archaeology including concepts, theories, and methods employed by archaeologists in reconstructing past life ways of humans. Topics include history and interdisciplinary nature of archaeological research; data acquisition, analysis and interpretation with discussion of applicable data and models; cultural resource management selected cultural sequences. (UC/CSU) (MJC ANTHR 130)

ANTHR 15: NATIVE PEOPLE OF 3 Units **NORTH AMERICA**

Recommended for Success: Engl 151

3 hours

A survey of the origins, cultures, and customs of peoples indigenous to the North American Continent with a primary emphasis upon folkways dominant prior to interference by foreign cultures; and a secondary emphasis upon the status of the Indians in the USA today. This course is designed to meet an ethnic studies requirement. (UC/ CSU) (MIC ANTHR 150)

ART

2-3 Units **BASIC FREEHAND ART 1: DRAWING**

(CAN ART 8) 1.5-2 hours Lecture:

Laboratory: 1.5-4 hours Introduction to basic drawing techniques, rendering techniques, linear perspective, composition in charcoal and ink. (UC/CSU) (MJC ART 120) May be repeated three times.

BASIC COLOR AND DESIGN 2-3 Units ART 2:

(CAN ART 14)

1.5-2 hours Lecture: Laboratory: 1.5-4 hours

Introduction to elements and principles of visual design and color theory as applied in a studio setting. (UC/CSU) (MIC ART 124)

May be repeated three times.

3 Units **COMPUTER ART** ART 4:

2 hours Lecture: 3 hours Laboratory:

Introduction to the tools and techniques of basic paint software through a series of drawing, color, and design problems. Assignments will cover elements of design, principles of composition, color theory, perspective, and unconventional approaches. No computer skills necessary. (UC/CSU) (MJC ART 124)

LIFE DRAWING: Beginning 2-3 Units ART 9A:

1.5-2 hours Lecture: 1.5-4 hours Laboratory:

Problems in figure-drawing working from the undraped model, (UC/CSU) (MJC ART 123) May be repeated one time.

2-3 Units LIFE DRAWING: ART 9B: Intermediate

Prerequisite: Art 9A or equivalent 1.5-2 hours Lecture: 1.5-4 hours Laboratory:

An extension of Art 9A emphasizing various media and compositional problems. (UC/CSU) May be repeated one time.

3 Units **HISTORY OF ART: ART 11:** Ancient & Medieval

(CAN ART 2) (CAN ART SEQ A = ART 11 + ART 12)

Recommended for Success: Engl 151 3 hours

Survey of art history from the Paleolithic Age through the Late Gothic Era. (UC/CSU) (MJC ART 164)

HISTORY OF ART: 3 Units ART 12: Renaissance, Baroque, and Modern

(CAN ART 4) (CAN ART SEQ A = ART 11 + ART 12)

3 hours

Survey of art history from the 14th through the 20th century. (UC/CSU) (MJC ART 165)

ART 13: ART OF AFRICA, ASIA, **AND THE AMERICAS**

3 hours Lecture:

Survey of the art of Africa, Asia, Mesoamerica, and South America from prehistoric to modern periods. This course is designed to meet an ethnic studies requirement. (UC/ CSU) (MIC ART 169)

ART 21A: PAINTING: Beginning 2-3 Units (CAN ART 10)

1.5-2 hours Lecture: Laboratory: 1.5-4 hours

Basic principles, techniques, and materials of easel painting in oil and/or acrylic. (UC/CSU) (MJC ART 148)

ART 21B: PAINTING: Intermediate 2-3 Units

Prerequisite: Art 21A or equivalent

1.5-2 hours Lecture: Laboratory: 1.5-4 hours

Continuation of Art 21A with emphasis on personal ex-

pression. (UC/CSU) (MJC ART 149) May be repeated one time.

ART 23A: WATERCOLOR: Beginning 2-3 Units

Lecture: 1.5-2 hours Laboratory: 1.5-4 hours

Introduction to the basic techniques and problems of transparent watercolors. (UC/CSU) (MJC ART 144)

WATERCOLOR: ART 23B: 2-3 Units **Intermediate**

Prerequisite: Art 23A or equivalent

1.5-2 hours Lecture: Laboratory: 1.5-4 hours

Continuation of Art 23A introducing opaque watercolors and various experimental techniques. (UC/CSU) (MJC ART

May be repeated two times.

ART 25: **MIXED MEDIA PAINTING** 2-3 Units

Lecture: 1.5-2 hours Laboratory: 1.5-4 hours

This is a beginning studio class, which introduces students to the elements and principles of mixed media painting. The course will use oil or acrylic paints and will emphasize technique, special illusion and basic composition skills using different mixed mediums. (UC/CSU) Offered for Credit/No Credit grading only. May be repeated three times.

1-3 Units **ART 31: CERAMICS:** Introductory

(CAN ART 6)

.5-1.5 hours Lecture: Laboratory: 1.5-4.5 hours

Introduction to basic ceramic methods including handbuilding and wheel-thrown forms, and introduction to glazes and decoration. (UC/CSU) (MIC ART 108) May be repeated one time.

3 Units | ART 32: **CERAMICS: Advanced**

.5-1.5 hours Lecture: 1.5-4.5 hours Laboratory:

Course emphasis is on glazes, formulation and application with increased opportunity for personal expression and experimentation. (UC/CSU) May be repeated one time.

ART 33: **CERAMICS:** 1-3 Units **Special Problems**

.5-1.5 hours Lecture: Laboratory: 1.5-4.5 hours

Course emphasis is on personal growth and independence. (UC/CSU)

May be repeated one time.

INTRODUCTION TO RAKU 1-3 Units ART 35:

Lecture: .5-1.5 hours Laboratory: 1.5-4.5 hours

Introduction to raku process, historic origins and contemporary uses. Practical experience in clay bodies, glazes, and raku firing. (UC/CSU)

May be repeated three times.

ART 51: **DESKTOP PUBLISHING I*** 3 Units

Recommended for Success: Oftec 41

Lecture: 2 hours 3 hours Laboratory:

This course is an introduction to general desktop publishing theory with emphasis on typography, page layout, graphics, and design. Students will create newsletters, brochures, flyers, resumes, cards, and reports. (CSU) May be repeated one time.

*Credit may be earned for either Art 51, Oftec 42, or Cmpsc 31, but only from one discipline.

DESKTOP PUBLISHING II* 3 Units ART 52:

Prerequisite: Art 51, Cmpsc 31 or Oftec 42 Lecture: 2 hours

Laboratory: 3 hours

This course is a continuation of study in problems of Desktop Publishing. Areas of focused study will be in advanced problems of page layout, typography, digital image manipulation, and issues related to offset reproduction of graphic design. (CSU)

May be repeated one time.

*Credit may be earned for either Art 52, Cmpsc 32 or Oftec 43, but only from one discipline.

ART 53: **COMPUTER GRAPHICS I*** 3 Units

Lecture: 2 hours Laboratory: 3 hours

This course introduces the student to the fundamentals of computer graphics. Topics include the elements and principles of good graphic design, vector versus raster graphics, color theory, image scanning and formatting for print and screen. Students will acquire basic skills in current graphic design software and create original design pieces. (UC/CSU)

*Credit may be earned for either Art 53 or Cmpsc 33, but not both.

ART 54: COMPUTER GRAPHICS II* 3 Units

Prerequisite: Art 53 or Cmpsc 33 Lecture: 2 hours

Laboratory: 3 hours
This class is a continuation of Computer Graphics I. Topics covered will include more advanced techniques of painting and drawing software, color scanning, publishing for the Web and printing. (UC/CSU)

May be repeated one time.

*Credit may be earned for either Art 54 or Cmpsc 34, but not

ART 71: CERAMIC SCULPTURE: 1-3 Units Introductory

Lecture: .5-1.5 hours Laboratory: 1.5-4.5 hours

Basic principles, techniques, and problems in sculpture. (UC/CSU)

May be repeated one time.

ART 72: CERAMIC SCULPTURE: 2-3 Units Advanced

Lecture: 1.5-2 hours Laboratory: 1.5-4 hours

Course emphasis is on advanced problems and techniques in sculpture. (UC/CSU)

ART 73: CERAMIC SCULPTURE: 2-3 Units Special Problems

Lecture: 1.5-2 hours Laboratory: 1.5-4 hours

Course emphasis is on experimentation and development of personal expression. (UC/CSU)

May be repeated one time.

ART 74: CERAMIC FIGURATIVE 1-3 Units SCULPTURE

Lecture: .5-1.5 hours Laboratory: 1.5-4.5

This course is designed for students interested in the anatomical approach to figure sculpture. Students will gain an understanding of professional sculpting terminology, skill and competency in the anatomical application of figurative sculpture in water-based clay. They will become familiar with the workings of the human body in terms of skeletal structure, underlying form, muscle mass, proportion and gesture. Students will use these skills to complete gesture studies, reclining figurative forms, anatomical studies of hands, feet, arms, legs, torso, a skull and a portrait head. Advanced students will learn how to create armatures for portrait studies and figurative works of art. Students will be required to keep an ongoing journal. May be repeated one time.

ART 165: METAL SCULPTURE* 1.5 Units

Lecture: .5 hours Laboratory: 3 hours

This course will offer an introduction to various metalworking techniques with an emphasis on aesthetic design and quality of metal joining.

*Credit may be earned for either Art 165 or WT 165, but not

3 Units ART 166: METAL SCULPTURE 1 Unit PROJECTS*

Prerequisite: Art 165 or Wt 165 Laboratory: 3 hours

This course is designed to allow students to expand upon their skills in metal sculpture techniques and to provide for the student a more individualized pursuit in metal sculpturing.

*Credit may be earned for either Art 166 or WT 166, but not

May be repeated 3 times

PHOTOGRAPHY

ART 40: PHOTOGRAPHY: Beginning 4 Units (CAN ART 18)

Lecture: 3 hours Laboratory: 3 hours

Introduction to the history, art, craft, and scope of color and black and white photography. Emphasis will be on the choice, types, and use of various cameras and lenses (special emphasis on the 35mm camera), camera work and handling, composition, and black and white darkroom procedures. Adjustable 35mm camera (or equivalent) will be utilized. (UC/CSU) (MJC ART 170 OR ART 181/182) Field trips may be required.

ART 41: PHOTOGRAPHY: 3 Units Intermediate

Recommended for Success: Art 40

Lecture: 2 hours Laboratory: 3 hours

Emphasis will be on refining camera work, composition, visual concepts; exposure and development of the negative, and printing skills in black and white. Adjustable 35mm camera (or equivalent) will be utilized. (UC/CSU) Field trips may be required.

ART 42: COLOR PHOTOGRAPHY: 3 Units Slide Making and Positive Printing

Recommended for Success: Art 40

Lecture: 3 hours Laboratory: 3 hours

Development and printing of color slides. Includes the history and theory of color photography, a survey and analysis of slide films, color balance and temperature, exposure, film speed and push processing and related effects, positive printing.(CSU)

Field trips may be required.

May be repeated one time.

ART 44: ADVANCED PHOTOGRAPHY 1 Unit
LABORATORY

Recommended for Success: Art 40

Laboratory: 3 hours

Supervised black and white darkroom work in the production of negatives and prints to improve photographic skills.(CSU)

May be repeated three times.

ART 45: FIELD PHOTOGRAPHY 1-2 Units

Lecture: .5-1 hour Laboratory: 1.5-3 hours

An introduction to producing professional quality nature photographs. Field instruction in locations of natural beauty followed by lectures, demonstrations, and critiques. Adjustable 35mm camera or larger utilized. (CSU) Field trips are required.

May be repeated three times.

ART 47A: DIGITAL DARKROOM: 3 Units Beginning

Recommended for Success: Art 40, Cmpsc 1

Lecture: 2 hours Laboratory: 3 hours

Introduction to the electronic darkroom. Scanning of black-and- white and color prints, slides and negatives into the computer. Use of image control software (Adobe's Photoshop) to enhance, refine and artistically interpret images. Printing images using inkjet printers and a variety of photo-quality papers. (CSU)

ART 47B: DIGITAL DARKROOM: 2-3 Units Intermediate

Lecture: 1-2 hours Laboratory: 3 hours

Study of the electronic darkroom using IBM compatible PC computers. Advanced scanning techniques for optimum image control, higher resolution and larger print sizes. Use of image control software (Adobe Photoshop) to refine and enhance straight and/or composite images. New topics: use of the pen tool, advanced layering techniques, creating masks and channels, painting on photos, plus further use of the special-effects filters and photo- retouching tools. Microsoft Publisher to utilize photos in specialized projects such as: calendars, posters, note cards and brochures. Use of advanced printer control and calibration software to create consistently high-quality prints on photo-quality inkjet printers with a variety of paper mediums. (CSU)

ART 48: SPECIAL TOPICS IN 1-4 Units PHOTOGRAPHY

Recommended for Success: Art 40

Lecture: .5-2 hours

and/or

Laboratory: 1.5-6 hours

Various field- and studio-oriented courses limited to particular photographic topics such as slide tape presentations, landscape, architecture, portraiture, nude, small product and still-life, photojournalism, alternative processes and quest lecture forum.(CSU)

Field trips may be required.

May be repeated with different topics only.

AUTOMOTIVE TECHNOLOGY

See Page 30 for Certificate Requirements

AT 97: WORK EXPERIENCE IN 1-4 Units AUTOMOTIVE TECHNOLOGY

Prerequisite: Must be enrolled in at least seven (7) units

including Work Experience.

75 hours paid employment equals 1 unit of credit
60 hours unpaid employment equals 1 unit of credit
Provides students an opportunity to experience supervised
employment in Auto Technology. The student's employment must be related to educational or occupational
goals. (CSU*) (*Transfer credit limited. See a counselor.)
Offered for Credit/No Credit grading only.

May be repeated for no more than a total of 16 units of credit less any units earned in any other Work Experience course. For students interested in working full time one semester and attending classes one semester on an alternate basis, see Work Experience 96, Page 129

AT 100: INTRODUCTION TO 4 Units AUTOMOTIVE TECHNOLOGY

Lecture: 4 hours

Introduction to theory, operation and maintenance of automotive systems. Includes fundamentals of math, measuring devices, fasteners, shop safety, careers and certifications, tools/equipment common to the automotive industry, environmental issues, classifications/applications of lubricants and resume writing. This course is designed to comply with the National Automotive Technicians Education Foundation (NATEF) objectives, enabling students to prepare for Automotive Service Excellence (ASE) certification.

Offered for Credit/No Credit grading only.

AT 101: AUTOMOTIVE BRAKING 2 Units SYSTEMS I

Recommended for Success: AT 100

Lecture: 1 hour Laboratory: 3 hours

Principles of operation and repair of automotive drum and disc brake systems. The subjects covered allow for compliance with the National Automotive Technicians Education Foundation (NATEF) objectives, enabling students to prepare for Automotive Service Excellence (ASE) certification. May be repeated one time.

AT 102: ENGINE REPAIR 5 Units

Recommended for Success: AT 100

Lecture: 3 hours Laboratory: 6 hours

Techniques involved in gasoline engine diagnosing and repair. Diagnosis of the engine's systems will be emphasized. This course is designed to comply with the National Automotive Technicians Education Foundation (NATEF) objectives, enabling students to prepare for Automotive Service Excellence (ASE) certification. May be repeated for recertification.

May be repeated three times.

AT 103: PRACTICAL LABORATORY .5-2 Units | AT 120:

Laboratory: 1.5-6 hours

This course includes special automotive repair projects that are assigned to advanced students, with emphasis on speed, accuracy, and quality work habits. Completion of, or concurrent enrollment in six (6) units of Automotive Technology required. Exceptions to the units requirement will be considered on an individual basis. May be repeated three times.

AT 110: **AUTOMOTIVE ELECTRICS I 5 Units**

Recommended for Success: AT 100

Lecture: 4 hours Laboratory: 3 hours

This course covers fundamentals of electricity and electronics that apply to all automotive electrical and electronic systems. This course will cover electrical theory, lighting systems, and chassis electrical and electronic circuits. Methods of diagnosis will be emphasized. This course is designed to comply with the National Automotive Technicians Education Foundation (NATEF) objectives to enable students to prepare for Automotive Service Excellence (ASE) certification. May be repeated for recertification. May be repeated three times.

AT 111: **ENGINE PERFORMANCE I** 6 Units

Recommended for Success: AT 100

Lecture: 4 hours

Laboratory: 6 hours

This course covers theory and operation of ignition systems, fuel systems, and on-board computers. Use of hand-held meters, oscilloscopes, late-model computerized analyzers and four-gas infrared analyzers will be covered. This course is designed to comply with the National Technicians Education Foundation (NATEF) objectives enabling students to prepare for Automotive Service Excellence (ASE) exams.

May be repeated three times.

HEATING AND AIR 3 Units CONDITIONING

Recommended for Success: AT 100

2 hours

AT 112:

Laboratory: 3 hours

May be repeated three times.

This course covers fundamentals and theory of air conditioning (R12 and R134a), as well as techniques of service and diagnosis. Recycling refrigerant and handling of hazardous materials are also covered. This course is designed to comply with the National Automotive Technicians Education Foundation (NATEF) objectives, enabling students to prepare for Automotive Service Excellence (ASE) certification.

SUSPENSION AND STEERING 3 Units

Recommended for Success: AT 100

Lecture: 2 hours

Laboratory: 3 hours

Operations of automotive suspension and steering systems. Inspection, diagnosis, part replacement, and alignment procedures, wheel alignment and computerized alignment equipment. Emphasis will be placed on analyzing inspection results. This course is designed to comply with the National Automotive Technicians Education Foundation (NATEF) objectives, enabling students to prepare for Automotive Service Excellence (ASE) certification. May be repeated for recertification. May be repeated three times.

AT 121: **AUTOMOTIVE BRAKING** 2 Units SYSTEMS II

Recommended for Success: AT 100 and AT 101

Lecture: 1 hour

Laboratory: 3 hours

Principles of operation and repair of anti-lock braking systems (ABS). Diagnosis and overhaul of power assist units and brake system electrical and electronic circuits. The subjects covered allow for compliance with the National Automotive Technicians Education Foundation (NATEF) objectives, enabling students to prepare for Automotive Service Excellence (ASE) certification. May be repeated one time.

AT 122: MANUAL POWER TRAINS 3 Units AND AXLES

Recommended for Success: AT 100

Lecture: 1.5 hours Laboratory:

May be repeated two times.

4.5 hours Principles and operation of automotive power trains including diagnosis and overhaul of clutches, manual transmissions, and transfer cases. This course is designed to comply with the National Automotive Technicians Education Foundation (NATEF) objectives enabling students to achieve Automotive Service Excellence (ASE) certification. May be repeated for recertification.

AT 130: **AUTOMOTIVE** 2 Units **ELECTRICS II**

Recommended for Success: AT 100 and AT 110

Lecture: 1 hour Laboratory: 3 hours

This course covers the study of automotive starting and charging systems and related electrical and electronic controls. This course is designed to comply with the National Automotive Technicians Education Foundation (NATEF) objectives, enabling students to prepare for Automotive Service Excellence (ASE) certification. May be repeated for recertification.

May be repeated one times.

AT 131: 2 Units | AT 170: ENGINE PERFORMANCE II

Recommended for Success: AT 100 and AT 111

Lecture: 1 hour

Laboratory: 3 hours

Operation and diagnosis of domestic computerized engine control systems. Use of hand-held meters, oscilloscopes, late model computerized analyzers and enhanced testing equipment. Use of advanced diagnostic routines common to the industry. This course is designed to comply with the National Automotive Technicians Education Foundation (NATEF) objectives enabling students to prepare for Automotive Service Excellence (ASE) examinations. May be repeated one time.

AT 132: **AUTOMATIC** 3 Units TRANSMISSIONS AND TRANSAXLES

Recommended for Success: AT 100

1 hour Lecture: Laboratory: 6 hours

Principles and theories involved with diagnoses, repair, and rebuilding automatic transmissions and transaxles. This course is designed to comply with the National Automotive Technicians Education Foundation (NATEF) requirements, enabling students to prepare for certification. May be repeated for recertification. May be repeated three times.

AT 165: **CLEAN AIR CAR COURSE** 4 Units AND OBD II UPDATE TRAINING

Lecture: . 4 hours

This course meets the Bureau of Automotive Repair requirements for Smog Technician candidate training in emission controls and OBDII systems. Successful candidates will partially satisfy the state's prerequisite requirements for the Smog Check technician examination. May be repeated as needed for recertification.

B.A.R. 2003-04 UPDATE AT 167: .5 Unit **TRAINING**

.5 hour Lecture:

This 9-hour course will review changes in the updated Smog Check Manual. Also covered will be best practices in customer communication. This course may not be chal-

May be repeated with different topics only. Offered for Credit/No Credit grading only.

AT 167-05: B.A.R. 2005 UPDATE 1 Unit **TRAINING**

1 hour Lecture:

This course will satisfy the Bureau of Automotive Repair (B.A.R.) 2005 update training requirements for Smog Technicians seeking to renew their licenses.

SPECIAL TOPICS IN .5-3 Units **AUTOMOTIVE TECHNOLOGY**

Lecture: .5-3 hours 1.5-3 hours Laboratory:

Various topics in automotive technology will be covered to meet specific technician needs for in-service training. Emphasis will be placed on special skills pertaining to late model vehicle.

May be repeated three times.

AT 180: **SMALL ENGINE REPAIR** 2 Units

Lecture: 1 hour Laboratory: 3 hours

Servicing, operation, and maintenance of small gasoline engines, garden and landscape equipment. The student will need safety glasses and a small engine to overhaul. May be repeated three times.

PREVENTIVE MAINTENANCE 1 Unit AT 181:

Lecture: .5 hour Laboratory: 1.5 hours

Preventive maintenance procedures with emphasis on lubrication, adjustment and safety inspection as it pertains to the late model automobile.

AT 185: **AUTO BODY COLLISION** 2 Units REPAIR I

Lecture: 1.5 hours Laboratory: 1.5 hours

For beginning students in auto body collision work. Theory and study of the body sheet metal and structure. Theory and manipulative skills in oxy-acetylene welding, sheet metal straightening, plastic filling and shrinking.

AUTO BODY COLLISION AT 186: 2 Units REPAIR II

1.5 hours Lecture: Laboratory: 1.5 hours

Advanced theory and study of body sheet metal and structure and manipulative skills in M.I.G. welding, sheet metal straightening, body alignment, making adjustments and refinishing equipment.

May be repeated two times.

AT 187: **EXTERIOR DETAILING** 1 Unit

1 hour Lecture: Laboratory: 1.5 hours

This course is for beginning students in auto detailing work. Topics covered include the theory and study of the proper maintenance and restoring of the automobile exterior finish by use of proper cleaning materials and methods approved by the industry.

May be repeated three times.

BIOLOGY

BIOL 2: **PRINCIPLES OF BIOLOGY** 4 Units (CAN BIOL 2 (CAN BIOL SEQ A = BIOL 2 +

BIOL 4 + BIOL 6)

Recommended for Success: Chem 10

Lecture: 3 hours Laboratory: 3 hours

A principles course with special reference given to molecular and cellular biology. Topics include the chemical basis of life, cells, metabolism, molecular genetics, classical genetics, evolution and ecology. Designed for Life Science and related majors. (UC*/CSU) (MJC BIO 101) (*Transfer credit limited. See a counselor.) Field trips may be required.

BIOL 4: **PRINCIPLES OF** 4 Units **ANIMAL BIOLOGY**

(CAN BIOL 4) (CAN BIOL SEQ A = BIOL 2 + BIOL 4 + BIOL 6)

Prerequisite: Biol 2 or Biol 17 or equivalent

Lecture: 3 hours Laboratory: 3 hours

A general zoology course for students majoring in related biological sciences. A survey of the animal kingdom including embryological, morphological, anatomical and evolutionary relationships of each of the animal groups. Dissection of animals is required. (UC/CSU) (MIC ZOO

Field trips may be required.

BIOL 6: **PRINCIPLES OF** 4 Units **PLANT BIOLOGY**

(CAN BIOL 6) (CAN BIOL SEQ A = BIOL 2 + BIOL 4 + BIOL 6)

Prerequisite: Biol 2 or Biol 17 or equivalent

Lecture: 3 hours Laboratory: 3 hours

A general botany course with emphasis on plant anatomy, morphology, physiology, and systematics of non-vascular, and vascular plants. (UC/CSU) (MIC BOT 101) Field trips may be required.

BIOL 10: HUMAN ANATOMY 4 Units (CAN BIOL 10) (CAN BIOL SEQ B = BIOL 10 + BIOL 60)

Lecture: 3 hours Laboratory: 3 hours

An introduction to the study of the gross and microscopic structure of the human body. Lab work entails dissection of cats, microscopic work, and demonstrations on models. (UC/CSU) (MJC ANAT 125)

FUNDAMENTALS BIOL 17: 4 Units **OF BIOLOGY**

Lecture: 3 hours Laboratory: 3 hours

An integrated lecture and laboratory course of study emphasizing the fundamental principles common to all forms of life. The course is a core biology class for transfer students and AA and AS students at Columbia College. The laboratory makes extensive use of computer simulations as well as experimentation in traditional laboratory. (UC*/CSU) (MJC BIO 111) (*Transfer credit limited. See a counselor.)

BIOL 24: GENERAL ECOLOGY 4 Units

Recommended for Success: Engl 1A and Math 101

Lecture: 3 hours Laboratory: 3 hours

Students will be introduced to environmental biology, which focuses on physiological, behavioral, and population ecology, and on linking ecological processes to evolution. Principles of evolution at the molecular, organismal, and population levels will be related to conservation issues affecting ecosystem management. The ecology component will cover basic principles and experimental approaches to solving ecological problems. Case studies in pollution issues, resource use, global warming, and ozone depletion will also be covered. (UC/CSU) Field trips may be required.

BIOL 39: FIELD BIOLOGY 1-2 Units

Lecture: 1-2 hours

A lecture field course in biology to be held in natural surroundings. The study site will vary with the seasons. Natural history, ecology, and biology of the locale will be studied, (CSU)

May be repeated three times.

BIOL 50: NUTRITION 3 Units

(CAN FCS 2)

Lecture: 3 hours

Introductory study of energy and nutrient requirements of the body in relation to growth, maintenance, and reproduction; factors influencing normal metabolism, construction of the adequate diet. Emphasis is placed upon the chemical aspects of nutrition. (UC/CSU) (MJC FDNTR

BIOL 60: HUMAN PHYSIOLOGY 4 Units (CAN BIOL 12) (CAN BIOL SEQ B = BIOL 10 + BIOL 60)

Recommended for Success: Biol 10 and Chem 10

Lecture: 3 hours Laboratory: 3 hours

Study of the function, integration and homeostasis of the organ systems of the human body. (UC/CSU) (MJC PHYSO 101)

BIOL 65: MICROBIOLOGY 4 Units

(CAN BIOL 14) Recommended for Success: Chem 10

Lecture: 3 hours Laboratory: 3 hours

Morphology, physiology, genetics, cultivation and control of micro organisms, particularly bacteria and viruses. Principles of immunology and the relationship of microbes to disease will be included. (UC/CSU) (MIC MICRO 101) Field trips may be required.

BIOL 158: BIRDS OF CENTRAL 1.5 Units **CALIFORNIA**

.5-1.5 hours and/or Lecture: . 1.5-4.5 hours Laboratory:

BIOLOGY/BUSINESS ADMINISTRATION

A survey of the birds of Central California through field observations and lectures. Students will learn how to identify birds by sight and sound, then use identification skills as a tool for understanding other aspects of avian biology and ecology. Discussion topics will include anatomy, physiology, behavior, and ecology of birds. Offered for Credit/No Credit grading only. Field trips are required.

BIOL 159: WILDFLOWERS OF THE 1-1.5 Units MOTHER LODE

1-1.5 hours Lecture:

An introduction to the Mother Lode flora. A nontechnical approach to botanical traits will be used to learn common and scientific names of local wildflowers. Offered for Credit/No Credit grading only. Field trips are required.

1.5 Units **BIOL 160: MUSHROOMS OF THE MOTHER LODE**

1.5 hours Lecture:

May be repeated three times.

Survey of mushrooms of the Mother Lode with emphasis on mushroom taxonomy, identification, and differentiation of common edibles from poisonous fungi, the ecology of fungi, including their habitat and role in various ecosystems, as well as their impact on civilizations. Because there is variability in the mushrooms that fruit annually, this course may be repeated three times. Offered for Credit/No Credit grading only. Field trips are required.

BIOL 179: FISHING AND FISHERY 1 Unit **BIOLOGY OF THE SIERRA NEVADA**

.5 hours Lecture: Laboratory: 1.5 hours

May be repeated three times.

An overview of the identification, ecology, and management of fish species inhabiting the foothill, forest and alpine communities of the Sierra Nevada. Offered for Credit/No Credit grading only. Field trips are required.

BIOL 170: SPECIAL TOPICS IN .5-3 Units **BIOLOGY**

.5-3 hours Lecture: Laboratory: .5-3 hours

Various field and classroom courses limited to particular biology topics, such as insect identification, bat natural history, stream evaluation, etc. Offered for Credit/No Credit grading only.

Field trips may be required.

BUSINESS

Business Administration

See Page 31 for Certificate Requirements

BUSAD 1A: PRINCIPLES OF ACCOUNTING 4 Units

(CAN BUS 2) (CAN BUS SEQ A = BUSAD 1A + BUSAD 1B)

Recommended for Success: Busad 161B

4 hours Lecture:

Accounting principles and procedures, including set up and maintenance of an accounting system for sole proprietorships in either service or merchandising industries using journalizing, posting, adjusting, and closing methods with emphasis on financial analysis regarding internal control, asset valuation, debt servicing, owner's equity determination, and financial reporting which includes a global perspective. (UC/CSU) (MJC BUSAD 201)

BUSAD 1B: PRINCIPLES OF 4 Units **ACCOUNTING**

(CAN BUS 4) (CAN BUS SEQ A = BUSAD 1A + BUSAD 1B)

Prerequisite: Busad 1A or equivalent

Lecture: 4 hours

Accounting for corporations with emphasis on debt and equity, bond amortization issues and preparation of the statement of cash flows, managerial/cost accounting includes job order, process, and activity based costing systems, and J.I.T. production, cost-volume-profit analysis, budgeting performance evaluation, decision making, budgeting for capital expenditures using present value. (UC/CSU) (MJC BUSAD 202)

BUSAD 18: BUSINESS LAW 4 Units

(CAN BUS 12)

4 hours Lecture:

Laws and regulations affecting managerial decisions; legal concepts and case analyses in the areas of ethics, employment agency, consumer transactions, business torts and crimes, business organizations, and with special emphasis on contracts (UC/CSU) (MJC BUSAD 218)

BUSAD 20: PRINCIPLES OF BUSINESS 3 Units

Lecture: 3 hours

Survey of business principles, problems and procedures; ownership; recruitment and training of personnel; labor-management relations; production and distribution of goods; competition; profit; transportation; finance; managerial controls; government and business relations. (UC/CSU) (MJC BUSAD 248)

BUSAD 24: HUMAN RELATIONS IN 3 Units **ORGANIZATIONS**

3 hours Lecture:

People and their roles in organizations. The nature of organizational relationships; working in groups, recognizing and solving human relations problems. Creating the winwin situation of satisfying individual and organizational objectives.(CSU)



3 Units

BUSAD 25: IOB SEARCH AND INTERVIEWING STRATEGIES*

Lecture:

Understanding the employment process and development of written and oral presentation skills necessary to conduct an efficient and effective job search. Topics include: the hiring process, employer perspectives, the hidden job market, networking, research, job search planning, making employer contacts and interviewing. Development of a master application, resume and letter of application.(CSU) (MJC GUIDE 112)

Offered for Credit/No Credit grading only.

*Credit may be earned for either Busad 25 or Guide 25, but not both.

BUSAD 30: PRINCIPLES OF MARKETING 3 Units

Lecture:

Marketing principles, policies, and functions, price policies and controls, trade channels, merchandising, market research, advertising, and competitive practices.(CSU) (MIC **BUSAD 245)**

BUSAD 40: PRINCIPLES OF 3 Units **MANAGEMENT**

Lecture: 3 hours

The functions of management, techniques of decisionmaking and problem solving and methods used by the manager to achieve organizational goals, various theories of management, lines of authority, functions of departments, and the importance of policies, procedures and controls.(CSU) (MJC BUSAD 240)

BUSAD 51: MANAGEMENT 4 Units **INFORMATION SYSTEMS***

Lecture: 4 hours

This course is an introduction to information systems. The objective is to build a basic understanding of the value and use of information system technology for business operations, managerial decision making, project management, and strategic advantage. Topics of special interest include information system planning, application development including systems analysis and design, decision support systems, and expert systems. (UC/CSU)

*Credit may be earned for either Busad 51 or Cmpsc 51, but not both.

1 Unit | BUSAD 52: E-COMMERCE*

Recommended for Success: Busad 20, Cmpsc 1

Lecture: 3 hours

This course is designed to familiarize individuals with current and emerging electronic commerce technologies using the Internet. Topics include Internet technology for business advantage, managing electronic commerce funds transfer, reinventing the future of business through electronic commerce, business opportunities in electronic commerce, electronic commerce development and marketing, social, political and ethical issues associated with electronic commerce, and business plans for technology ventures. Because companies are using these strategies in a global business environment, discussions of international, legal, ethical, and tax issues are included. The purpose of this course is to educate a new generation of managers. planners, analysts, marketers, and programmers of the realities and potential for electronic commerce.(CSU) *Credit may be earned for either Busad 52 or Cmpsc 52, but not both.

BUSAD 53: PROJECT MANAGEMENT* 3 Units

Recommended for Success: Cmpsc 1

Lecture: 3 hours

This course is designed to familiarize individuals with current and emerging project management technologies using the Internet, project management software and other application software packages as needed for project completion. Project management knowledge topics will include project integration, scope, time, cost, quality, human resource, communications, risk and procurement management.(CSU)

*Credit may be earned for either Busad 53 or Cmpsc 53, but not both.

BUSAD 54: DATA MINING* 3 Units

Recommended for Success: Cmpsc 1

Lecture: 3 hours

This course was designed to familiarize individuals with current and emerging data mining technologies using the Internet, database software, and other application software packages as needed for project completion. Data mining knowledge topics will include the process of model building. Students will create a representative model based on an existing dataset to help understand trends, patterns, and correlations, as well as forming predictions based on historical outcomes. Students will be introduced to the tools and technoloigies needed to research and analyze data, resulting in a strategic decision making, marketing plan development, goal setting and identifying business opportunies.(CSU)

*Credit may be earned for either Busad 54 or Cmpsc 54, but not both.

BUSAD 70: SPECIAL TOPICS IN BUSINESS

.5-3 hours Lecture:

BUSINESS ADMINISTRATION

Instruction in a variety of special topics of business, for example: Entrepreneurship, Supervision, Leadership & Motivation, Training Employees, Budgeting, Conflict Resolution, Planning, Decision-Making for Managers, Working with Difficult People. Courses will be presented in a workshop format and may include guest speakers.(CSU) Offered for Credit/No Credit grading only. May be repeated with different topics only.

BUSAD 90: BUSINESS ADMINISTRATION 1 Unit COMPUTER APPLICATIONS LABORATORY

Laboratory: 3 hours

The Business Administration Computer Applications Labs are scheduled during a variety of hours during each week throughout each semester. The lab provides instruction and assistance with assigned exercises in all types of Business Administration courses. By either acquiring the necessary software or by using programs installed on the network, business students are able to complete projects, homework, practice sets, reports, and generic applications in order to experience a well-rounded business curriculum.(CSU)

Offered for Credit/No Credit grading only. Students who are business majors may repeat the lab each semester they are enrolled in business courses until they have completed the business program.

BUSAD 97: WORK EXPERIENCE IN 1-4 Units **BUSINESS AND COMMERCE**

Prerequisite: Must be enrolled in at least seven (7) units including Work Experience.

75 hours paid employment equals 1 unit of credit.

60 hours unpaid employment equals 1 unit of credit. Provides students an opportunity to experience supervised employment in a variety of occupational settings within Business and Commerce (e.g., Business Administration, Hospitality Management, Computer Science). The student's employment must be related to educational or occupational goal. (CSU*) (*Transfer credit limited. See a counselor.) Offered for Credit/No Credit grading only.

May be repeated for no more than a total of 16 units of credit less any units earned in any other Work Experience course. For students interested in working full time one semester and attending classes one semester on an alternate basis, see Wkexp 96, page 129.

BUSAD 131: COMPUTERIZED 1-2 Units **ACCOUNTING (Peachtree)**

Recommended for Success: Busad 161A

Lecture: 1-2 hours

This course provides the student opportunities to set up and maintain an accounting system using application software, and is designed to provide the student with a review of financial accounting including payables, receivables, adjusting and closing entries and financial statements. May be repeated one time.

.5-3 Units | BUSAD 132: COMPUTERIZED 1-2 Units **ACCOUNTING (One Write Plus)**

Recommended for Success: Busad 161A

Lecture: 1-2 hours

This course provides the student opportunities to set up and maintain an accounting system using application software, and is designed to provide the student with a review of financial accounting including payables, receivables, adjusting and closing entries and financial statements. May be repeated one time.

BUSAD 133: COMPUTERIZED .5-2 Units **ACCOUNTING (Quicken)**

Recommended for Success: Busad 161A

.5-2 hours Lecture:

This course offers a simplified method of financial record keeping that provides the student the opportunity to set up and maintain a cash-basis, single entry bookkeeping system using commercial computer application software. May be repeated one time.

BUSAD 134: COMPUTERIZED 1-2 Units **ACCOUNTING (Dac Easy)**

Recommended for Success: Busad 161A

1-2 hours Lecture:

This course provides the student opportunities to set up and maintain an accounting system using application software, and is designed to provide the student with a review of financial accounting including payables, receivables, adjusting and closing entries and financial statements. May be repeated one time.

BUSAD 135: COMPUTERIZED 1-2 Units **ACCOUNTING (Quickbooks)**

Recommended for Success: Busad 161A

Lecture: 1-2 hours

This course provides the student opportunities to set up and maintain an accounting system using application software, and is designed to provide the student with a review of financial accounting including payables, receivables, adjusting and closing entries and financial statements. May be repeated one time.

BUSAD 137: COMPUTERIZED 1-2 Units **ACCOUNTING (M.Y.O.B.)**

Recommended for Success: Busad 161A

1-2 hours Lecture:

This course provides the student opportunities to set up and maintain an accounting system using application software, and is designed to provide the student with a review of financial accounting including payables, receivables, adjusting and closing entries and financial statements. May be repeated one time.

BUSAD 138: EXCEL SPREADSHEETS 1.5-2 Units | BUSAD 158: PAYROLL ACCOUNTING

1.5-2 hours

Instruction in spreadsheet applications on computers, using Microsoft Excel. Develop, plan, and build spreadsheets for business decisions. Use formatting, charting, and lists to customize desired output. Offered for Credit/No Credit grading only.

May be repeated one time.

BUSAD 150: SMALL BUSINESS MANAGEMENT

3 hours Lecture:

Small business operation with proper balance between business functions of purchasing, production, sales and finance, and the management functions of planning, organizing, actuating, and controlling.

BUSAD 151: FINANCE AND 3 Units **INVESTMENTS**

Lecture: 3 hours

A study of financial systems and functions including markets, which funds are traded, institutions which participate in fund flows, and principles and concepts of management for making sound financial and investment decisions.

BUSAD 152: COMPUTERIZED 3 Units **ACCOUNTING FOR BUSINESS (QUICKBOOKS)**

Recommended for Success: Busad 1A, Busad 161A Lecture: 3 hours

This course provides the student opportunities to set up and maintain an accounting system using application software, and is designed to provide the student with a review of financial accounting including payables, receivables, inventory, adjusting and closing entries and financial statements.

BUSAD 153: COMPUTERIZED 3 Units **ACCOUNTING FOR BUSINESS** (M.Y.O.B.)

Recommended for Success: Busad 1A, Busad 161A

3 hours

This course provides the student opportunities to set up and maintain an accounting system using application software, and is designed to provide the student with a review of financial accounting including payables, receivables, inventory, adjusting and closing entries and financial statements.

3 Units **BUSAD 154: COMPUTERIZED ACCOUNTING FOR BUSINESS (PEACHTREE)**

Recommended for Success: Busad 1A, Busad 161A 3 hours

This course provides the student opportunities to set up and maintain an accounting system using application software, and is designed to provide the student with a review of financial accounting including payables, receivables, inventory, adjusting and closing entries and financial statements.

3 Units

3 hours Lecture:

Introduction and practice in all payroll operations, the preparation of payroll registers, recording of payroll transactions, understanding of payroll laws, and preparation of required tax returns and reports.

BUSAD 160: BASIC ACCOUNTING 4 Units

Lecture: 4 hours

3 Units

Basic accounting theory, principles and procedures as related to service and merchandising firms, with emphasis on the sole proprietorship. Double entry accounting, general and special journals/ledgers, worksheets, financial statements, adjustments, accruals and prepaid items, payroll, depreciation, analysis and interpretation of financial statements; completion of the basic accounting cycle.

BUSAD 161A: SMALL BUSINESS 4 Units **ACCOUNTING I**

Lecture: 4 hours

Accounting procedures and analysis for most small businesses. Includes complete double entry accounting system with journals, ledgers, worksheets, and financial statements, with adjusting and closing entries for service or merchandising businesses; payroll for employees and employers, a voucher system, and use of manual and computerized simulations.

BUSAD 161B: SMALL BUSINESS 4 Units **ACCOUNTING II**

Prerequisite: Busad 161A or equivalent Lecture: 4 hours

Extension of the techniques learned in Business Administration 161A with more in depth treatment of receivables, notes, inventory and depreciation, and with the introduction of partnership and corporation accounting and statements of cash flow and financial analysis; also an introduction to managerial accounting for decision making, departmentalized, cost and manufacturing systems, planning and budgeting, and exercises on computer use in both financial and managerial phases.

BUSAD 163: BUSINESS MATHEMATICS 4 Units

Lecture: 4 hours

After review of mathematical processes, students will apply math skills in business situations that include banking, credit cards, discounts, retailing, payroll, interest, compounding, present value, annuities, sinking funds, revolving credit, home mortgages, financial analysis and ratio interpretation, depreciation, inventory, taxes, insurance, stocks, bonds, business statistics.

BUSAD 164: INCOME TAX 3 Units

Lecture: 3 hours

An introduction to income tax preparation and reporting based on the current requirements of the U.S. Internal Revenue Code that follows the Form 1040 format for individuals and expands briefly to partnerships and corpora-

May be repeated with different topics.

BUSAD 170: SPECIAL TOPICS IN BUSINESS

.5-3 hours Lecture:

Instruction in a variety of special topics of business, for example: Entrepreneurship, Supervision, Leadership & Motivation, Training Employees, Budgeting, Conflict Resolution, Planning, Decision Making for Managers, Working with Difficult People. Courses will be presented in a workshop format and may include guest speakers. Offered for Credit/No Credit grading only. May be repeated with different topics only.

OFFICE TECHNOLOGY

See page 117

REAL ESTATE

See page 122

CHEMISTRY

CHEM 1A: **GENERAL CHEMISTRY** 5 Units

(CAN CHEM 2) (CAN CHEM SEQ A = CHEM 1A +

Prerequisite: Chem 10 or equivalent Recommended for Success: Math 104

Lecture: 4 hours Laboratory: 3 hours

Survey of atoms, molecules, ions, chemical reactions, stoichiometry, chemical bonding, gases, liquids, solids, solutions, and thermochemistry. (UC/CSU) (MIC CHEM 101)

CHEM 1B: **GENERAL CHEMISTRY** 5 Units

(CAN CHEM 4) (CAN CHEM SEQ A = CHEM 1A + CHEM 1B)

Prerequisite: Chem 1A or equivalent

Lecture: 4 hours Laboratory: 3 hours

A survey of chemical equilibria, acids and bases, thermodynamics, kinetics, electrochemistry, nuclear chemistry, inorganic chemistry, and organic chemicals. (UC/CSU) (MIC CHEM 102)

CHEM 10: FUNDAMENTALS OF 4 Units **CHEMISTRY**

(CAN CHEM 6)

Recommended for Success: Math 101

Lecture: 3 hours Laboratory: 3 hours

Fundamental theories and principles of chemistry; atomic and molecular structure, chemical reactions, stoichiometry, gases, liquids, solids, solutions, nonmetals, metals, nuclear chemistry, and organic compounds. (UC*/CSU) (*Transfer credit limited. See a counselor.) (MJC CHEM 143)

.5-3 Units | CHEM 11: FUNDAMENTALS OF 4 Units **ORGANIC AND BIOCHEMISTRY**

Prerequisites: Chem 10 Lecture: 3 hours Laboratory: 3 hours

Structure, nomenclature, preparation, and reactions of common organic compounds including hormones and neutotransmiters and biochemical aspects of carbohydrates and polysacharides, lipids and membranes, amino acids and proteins, and nucleic acids and nucleotides. (CSU)

CHEM 20: CONCEPTUAL CHEMISTRY 3 Units

Lecture: 3 hours

A survey of chemical principles and how they apply to you, the environment and industry. Topics covered include matter, energy, compounds, stoichiometry, acid-base chemistry, electrochemistry, environmental chemistry, geochemistry, organic chemistry, and biochemistry. (UC*/CSU) (*Transfer credit limited. See a counselor.) (MIC CHEM 150)

CHEM 21: CONCEPTUAL CHEMISTRY - .5 Unit **ATOMS, ELEMENTS & IONS**

Lecture: .5 hour

A survey of matter, energy, elements, atoms, ions and how these topics apply to you and your surroundings.(CSU) (The satisfactory completion of the series Chem 21 through Chem 26 is equivalent to the satisfactory completion of Chem 20.) (CC CHEM 21-26 = MJC CHEM 150)

CHEM 22: CONCEPTUAL CHEMISTRY - .5 Unit **CHEMICAL COMPOUNDS**

Lecture:

A survey of chemical compounds. (CSU) (The satisfactory completion of the series Chem 21 through Chem 26 is equivalent to the satisfactory completion of Chem 20.) (CC CHEM 21-26 = MJC CHEM 150)

CHEM 23: CONCEPTUAL CHEMISTRY - .5 Unit SOLUTIONS

.5 hour Lecture:

A survey of solutions and their importance in chemistry. (CSU) (The satisfactory completion of the series Chem 21 through Chem 26 is equivalent to the satisfactory completion of Chem 20.) (CC CHEM 21-26 = MIC CHEM 150)

CONCEPTUAL CHEMISTRY - .5 Unit **CHEM 24: CHEMICAL REACTIONS**

Lecture: .5 hour

A survey of chemical reactions and how they apply to you and your surroundings. (CSU) (The satisfactory completion of the series Chem 21 through Chem 26 is equivalent to the satisfactory completion of Chem 20.) (CC CHEM 21-26 = MJC CHEM 150)



3 Units

CONCEPTUAL CHEMISTRY - .5 Unit CHEM 25: **APPLIED CHEMISTRY**

.5 hour Lecture:

A survey of chemical principles and how they apply to you, the environment and industry. Topics covered include environmental chemistry, food chemistry, geochemistry and industrial chemistry. (CSU) (The satisfactory completion of the series Chem 21 through Chem 26 is equivalent to the satisfactory completion of Chem 20.) (CC CHEM 21-26 = MJC CHEM 150)

CONCEPTUAL CHEMISTRY - .5 Unit **CHEM 26: ORGANIC CHEMISTRY**

.5 hour Lecture:

A survey of organic chemistry and how it applies to you and your surroundings. (CSU) (The satisfactory completion of the series Chem 21 through Chem 26 is equivalent to the satisfactory completion of Chem 20.) (CC CHEM 21-26 = MIC CHEM 150)

CHILD DEVELOPMENT

See Pages 31-32 for Certificate Requirements Students may be required to acquire a fingerprint clearance before working with young children. See your instructor for more details.

CHILD 1: **PRINCIPLES OF CHILD** 3 Units **DEVELOPMENT**

(CAN FCS 14)

Lecture: 3 hours

Growth and development of children, birth through adolescence. Basic concepts related to physical, social, intellectual, and emotional development, including the effects of culture, will be explored. (UC/CSU) (MJC CLDDV 103)

OBSERVING AND RECORDING 1 Unit CHILD 2: THE BEHAVIOR OF YOUNG **CHILDREN**

Recommended for Success: Child 1

1 hour

Students will learn and practice the skill of observing and recording children's behavior, as a tool for responsive teaching and assessment of children's development. Weekly field study required.(CSU) (MJC CLDDV 244)

PRACTICES IN CHILD 3 Units CHILD 3: **DEVELOPMENT**

Lecture: 3 hours

The planning and implementing of developmentally appropriate curriculum activities for young children, including anti-bias curriculum and current practices in the field. (CSU)

CHILD HEALTH AND SAFETY 1 Unit CHILD 7:

Lecture: 1 hour

Overview of health and safety issues for children in child care, including prevention of infectious disease, preventive health practices and prevention policies; signs, symptoms and reporting of child abuse; and injury prevention. Students completing this course with a C or better will be given a certificate to meet Title 22 requirements for child Health and Safety Training. (CSU) (MJC CLDDV 372)

EARLY LITERACY 3 Units CHILD 8: **DEVELOPMENT**

Recommended for Success: Engl 151

Lecture: 3 hours

This course will improve early childhood educators and care providers' knowledge of early literacy development and the skills in teaching early literacy to children from birth through age five. It includes research-based principles for providing children birth through age five a strong foundation in early reading and writing within a developmentally appropriate approach. Meets or exceeds specifications of external agency. (CSU)

CHILD 10: CREATIVE ACTIVITIES IN 2 Units THE ARTS

2 hours Lecture:

Survey of a variety of educational activities suitable for young children in art, music, movement, language and literature; for pre-school teachers, family day care providers, parents, teacher aides, and anyone who is interested in creative expression for children. (CSU)

CHILD 12: CREATIVE ACTIVITIES IN 2 Units **MATH**

Lecture: 2 hours

Survey of math activities and concepts developmentally appropriate for young children; for pre-school teachers, family day care providers, teacher aides, parents and anyone interested in early childhood math eduation. (CSU)

CHILD 13: CREATIVE ACTIVITIES IN 2 Units SCIENCE

Lecture: 2 hours

Survey of science activities and concepts developmentally appropriate for young children; for pre-school teachers, family day care providers, teacher aides, parents and anyone interested in early childhood science education. (CSU)

CHILD 16: PRACTICUM

1-3 Units | CHILD 25:

Child 1 or equivalent Prerequisite: Laboratory: 3 hours equals 1 unit of credit

Lecture: 1 hour, Laboratory: 3 hours equals 2 units of

credit

Lecture:

1 hour, Laboratory: 6 hours equals 3 units of

credit

Supervised practicum in the Columbia College Child Development Center, Toddler Center, or approved field site. Students will plan and implement activities with the children, develop guidance techniques, and work with staff and children in the classroom as a student teacher. Students will also attend a weekly seminar to evaluate and discuss projects, teaching skills development, and other aspects of student teaching. (CSU) May be repeated one time.

CHILD 17: ADULT SUPERVISION 2 Units **PRACTICUM**

Lecture: 1 hour

Laboratory: 3 hours

3 hours

This course will provide students with the skills and techniques needed to supervise adults in a developmentally appropriate children's program. Meets the adult supervision requirement for the Child Development Permit. (CSU)

CHILD 19: EXCEPTIONAL NEEDS 3 Units **CHILDREN**

Lecture:

A comprehensive overview for the child care provider who will work with young children with disabilities. Includes historical perspective, diversity issues, family partnerships, identifying and referring, caregiver strategies and administrative issues. (CSU)

CHILD 22: CHILD, FAMILY, 3 Units COMMUNITY

Lecture: 3 hours

The study of the impact of interrelationships and community factors on a child's development. Techniques fostering healthy family interactions and use of community resources will be stressed. Cultural aspects of socialization and current events will be explored. (CSU) (MJC CLDDV 109)

CHILD 23: GUIDING CHILDREN'S 3 Units **SOCIAL DEVELOPMENT**

Lecture: 3 hours

This course is designed to provide early childhood educators and parents with the skills necessary to promote the emotional support and guidance young children need for healthy social development. Topics include: the developmental aspects of social/emotional development, supporting children in stressful situations, fostering self-discipline, supporting children's friendships, promoting prosocial behavior, handling children's aggressive behavior, and diversity issues. (CSU)

INFANT/TODDLER CARE

Lecture: 3 hours

Principles and philosophy of infant care for children up to two years of age including growth and development, health and nutritional needs, social-emotional needs, cognitive development, language development, development of a positive self-image, parent education, community resources, and cultural and ethnic differences. (CSU) (MJC CLDDV 127C)

CHILD 27: SCHOOL AGE CHILDREN 3 Units

Lecture: 3 hours

Overview of cognitive and personality development of children seven to seventeen years of age. Stages and critical periods will be studied. Current issues emphasized include: peer influence, sexual development, value clarification, self-esteem, substance abuse, sexual abuse and eating disorders. Appropriate for parents as well as child development majors, and providers of latch-key programs. (CSU)

CHILD 28: **BOOKS FOR YOUNG** 3 Units **CHILDREN**

Lecture: 3 hours

An introductory course on books for young children. Topics will include how to evaluate content and illustration; choosing books that relate to children's developmental needs and interest; the art of reading aloud. Field work involving reading aloud to children under six years of age is required. (CSU)

CHILD 30: CHILD CARE/NURSERY 3 Units **SCHOOL ADMINISTRATION**

Recommended for Success: Engl 151

Lecture: 3 hours

Administration of public and private child care and nursery school programs in California. Topics include budget development and management; staff selection and supervision; programs, facilities, and equipment; parent and community relationships; and licensing requirements. (CSU) (MJC CLDDV 150)

CHILD 31: ADVANCED CHILD CARE 3 Units **ADMINISTRATION**

Prerequisite: Child 30 or equivalent

Lecture: 3 hours

An advanced course for directors and lead teachers in child care. Students will learn staff development and leadership techniques. Fiscal, advocacy and current issues will be explored. (CSU)

CHILD 97: WORK EXPERIENCE IN **CHILD DEVELOPMENT**

Prerequisite: Must be enrolled in at least seven (7) units including Work Experience

1-4 Units

75 hours paid employment equals 1 unit of credit 60 hours unpaid employment equals 1 unit of credit Provides students an opportunity to experience supervised employment in Child Development. The student's employment must be related to educational or occupational goals. (CSU*) (*Transfer credit limited. See a counselor.) Offered for Credit/No Credit grading only.

May be repeated for no more than a total of 16 units of credit less any units earned in any other Work Experience course. For students interested in working full time one semester and attending classes one semester on an alternate basis. See Wkexp 96, page 129.

CHILD 105: CREATIVE ACTIVITIES 2 Units IN CHILD NUTRITION

Lecture: 2 hours

This course will provide the student with an overview of the roles adults play in facilitating food events with children and the best practices that help young children learn about food and eating to effect healthy development. Included will be curriculum planning and classroom activities as well as an introduction to state and federal nutrition and safety guidelines.

CHILD 170: SPECIAL TOPICS IN .5-3 Units **CHILD DEVELOPMENT**

Lecture: .5-3 hours

Instruction in a variety of special topics in Child Development, to include parenting, Foster Child care, child growth and development, special needs, anti-bias training, etc. (MIC CLDDV 298)

May be repeated with different topics only.

COMPUTER SCIENCE

See Pages 32-33 for Certificate Requirements

COMPUTER CONCEPTS AND 4 Units CMPSC 1: **INFORMATION SYSTEMS**

(CAN CSCI 2)

Lecture: 3 hours Laboratory: 3 hours

This course includes concepts of computer information systems in business, industry and other institutions. Study of computers, applications and network communications will also be covered. Actual practice is on personal computers in Windows environment on a network. Lab applications include graphical user interface, spreadsheets, word processing, database management, multimedia presentations and access to the Internet and World Wide Web. (UC/CSU) (MJC CMPSC 201)

CMPSC 3: **OPERATING SYSTEMS** 3 Units

Recommended for Success: Cmpsc 1

Lecture: 2 hours Laboratory: 3 hours

Introduction to file management through a Windows environment and the DOS operating system. Students will learn concepts of a shell, text editors, batch files, desktop procedures, Windows setup, and file handling. (CSU)

WINDOWS OPERATING .5-1.5 Units CMPSC 4: SYSTEMS ESSENTIALS

.5 - 1.5 hours Lecture:

This course provides instruction in Operating Systems. Topics include management of window elements, desktop arrangement, folders and files, and file management. Students will use multitasking, cut and paste, linking, and printing operations within selected Windows applications. (CSU) (MJC CMPSC 265)

Offered for Credit/No Credit grading only. May be repeated one time.

UNIX OPERATING CMPSC 9: 3 Units **SYSTEMS**

Recommended for Success: Cmpsc 3

3 hours Lecture: Laboratory: 1 hour

An introduction to the UNIX operating system using Linux as the working environment. Topics include operating system commands, shell scripting, TCP/IP basics, ftp, mail, telnet, text editors, disk, file and directory management, GUI interface with X windows, and multitasking. (CSU) (MJC CMPSC 206)

CMPSC 10: INTRODUCTION TO .5-1.5 Units THE INTERNET

Lecture: .5-1.5 hours

This course provides instruction in how to access the Internet using communications software and a web browser on desktop PCs. Topics include navigating browsers, electronic mail, search techniques, personal privacy, downloading, and the World Wide Web.(CSU) (MJC CMPGR

Offered for Credit/No Credit grading only. May be repeated one time.

CMPSC 11: PRESENTATIONS USING 1-2 Units **COMPUTERS AND MULTIMEDIA**

Prerequisite: Cmpsc 4 or equivalent

1-2 hours Lecture:

Use presentation software to prepare multimedia presentations. Combine text, graphics, video, and sound. Use the computer and multimedia projector to present information to an audience or to individuals using a PC. (CSU) (MIC CMPGR 215)

May be repeated one time.

CMPSC 12: WEBSITE DEVELOPMENT 2-3 Units **APPLICATIONS**

Recommended for Success: Cmpsc 4 or equivalent Lecture: 2-3 hours

Students will be able to use website/webpage development application software to prepare multimedia presentations for use with an Internet browser. They will also be able to combine text, graphics, video, and sound, enhance computer displays for an audience, and prepare home page links for access over the Internet.(CSU) (MJC CMPGR 264)

May be repeated one time.

COMPUTER SCIENCE

CMPSC 13: INTRODUCTION TO HTML 1-2 Units

Recommended for Success: Cmpsc 4

Lecture: 1-2 hours

Use HTML authoring tools and/or HTML home page software to prepare multimedia presentations to use with an Internet browser. Combine text, graphics, video, and sound. Enhance computer displays for an audience and prepare home page links for access over the Internet. (CSU) May be repeated one time.

CMPSC 14: ADVANCED TOPICS IN 2-3 Units WEBSITE DEVELOPMENT

Recommended for Success: Cmpsc 13

Lecture 2-3 hours

This course guides students through the process of exploring advanced tools for website design, which may include but are not limited to Flash, Javascript, ASP, and XML. Students will also attain skills in techniques for publicizing websites and best practices for site maintenance. (CSU)

CMPSC 15: JAVA PROGRAMMING 3 Units

Recommended for Success: Cmpsc 3

Lecture: 2 hours Laboratory: 3 hours

Learn the Java Programming language, an intranet/ internet standard language. Topics include classes, objects, arrays, inheritance, interfaces, control flow, input/ output, and standard utilities. Create some applications to be used on an intranet or on the Internet. (UC/CSU)

CMPSC 17: ADVANCED INTERNET .5-2 Units RESEARCH

Recommended for Success: Cmpsc 10

Lecture: .5 -2 hours

This course provides instruction in Advanced Internet Research and will provide students advanced search and research techniques via the World Wide Web. The course reviews basic components of Internet search engines and includes advanced subject matter research techniques, database resources and advanced Internet technology skills. Topics include E-Commerce, Internet Resources, Digital Content, and Internet Publications. (CSU) May be repeated one time.

CMPSC 22: PROGRAMMING CONCEPTS 4 Units AND METHODOLOGY I

(CAN CSCI 22)

Recommended for Success: Math 104 or placement

Lecture: 3 hours Laboratory: 3 hours

Introduction to computer programming and program design. Presents algorithm development, structured programming techniques, various methods of problem solving, and an introduction to object oriented programming concepts. Programming is done using C++, but includes some basics of the C language. Language topics include data types, conditions and Boolean logic, recursion, arrays, functions, pointers, and file input/output. (UC/CSU) (MJC CMPSC 205)

CMPSC 24: PROGRAMMING CONCEPTS 4 Units AND METHODOLOGY II

(CAN CSCI 24)

Prerequisite: Cmpsc 22 or equivalent Recommended for Success: Math 101

Lecture: 3 hours

Laboratory: 3 hours

This course is a contnuation of CMPSC 22, concentrating on problem solving techniques using an object oriented design approach. Programming is done using the C++ language. It also includes an introduction to programming in the Windows environment. Topics include data abstraction, recursion, class functions, operator overloading, templates, string handling, data structures (arrays, records, lists, stacks, and queues), search/sort, pointers, dynamic data, linked lists, and binary trees. (UC/CSU) (MJC CMPSC 261)

CMPSC 28: VISUAL BASIC 3 Units **PROGRAMMING**

Lecture: 3 hours

Design of Visual Basic programs using a hands-on approach. Write client applications in a Windows environment and create a variety of custom applications. (UC/ CSU) (MJC CMPSC 213)

CMPSC 30: FINANCIAL WORKSHEETS 3 Units **ON COMPUTERS**

Lecture: 2 hours Laboratory: 3 hours

Electronic spreadsheets will be used to develop a basic understanding of business operations, managerial decision making, and strategic advantage. Students will develop spreadsheets for financial statements, what-if analysis, databases, and other ledger-type applications. Other topics include use of formulas and macros to customize data entry for business applications and combining data between worksheets and link files. Lab projects will focus on the use of spreadsheet design, development, and use for managerial decision making. (CSU) (MJC CMPSC 278)



CMPSC 31: DESKTOP PUBLISHING I*

Recommended for Success: Oftec 41

Lecture: 2 hours Laboratory: 3 hours

This course is an introduction to general desktop publishing theory with emphasis on typography, page layout, graphics and design. Students will create newsletters, brochures, flyers, resumes, cards and reports. (CSU) *Credit may be earned for either Cmpsc 31, Art 51or Oftec 42, but only from one discipline.

CMPSC 32: DESKTOP PUBLISHING II* 3 Units

Prerequisite: Cmpsc 31 or equivalent

2 hours Lecture: Laboratory: 3 hours

This course is a continuation of study in problems of Desktop Publishing. Areas of focused study will be in advanced problems of page layout, typography, digital image manipulation, and issues related to offset reproduction of graphic design. (CSU)

May be repeated two time.

*Credit may be earned for either Cmpsc 32, Oftec 43 or Art 52, but only from one discipline.

CMPSC 33: COMPUTER GRAPHICS I* 3 Units

Lecture: 2 hours Laboratory: 3 hours

This course introduces the student to the fundamentals of computer graphics. Topics include the elements and principles of good graphic design, vector versus raster graphics, color theory, image scanning and formatting for print and screen. Students will acquire basic skills in current graphic design software and create original design pieces. (UC/CSU) (MJC CMPGR 217)

*Credit may be earned for either Cmpsc 33 or Art 53, but not both.

CMPSC 34: COMPUTER GRAPHICS II* 3 Units

Prerequisite: Cmpsc 33 or equivalent

Lecture: 2 hours Laboratory: 3 hours

This class is a continuation of Computer Graphics I. Topics covered will include more advanced techniques of painting and drawing software, color scanning, publishing for the Web and printing, (UC/CSU)

*Credit may be earned for either CMPSC 34 or ART 54, but not both.

May be repeated one time.

3 Units | CMPSC 41: NETWORKING ESSENTIALS 3 Units

Recommended for Success: Cmpsc 1

Lecture: 3 hours 1 hour Laboratory

This course is an introduction to computer networking and data communications. The focus is on concepts, terminology, and technologies in current networking environments. The course is based on, and covers the OSI model including discussions of Local and Wide Area Networks (LAN & WAN). A laboratory component provides handson experience in network setup and computer configuration. This course includes the first semester of Cisco Academy training, which is part of a program leading to CCNA certification. The topics covered are also applicable to Microsoft Certified Sysems Engineer (MCSE) and other industry networking certification. (CSU)

CMPSC 51: MANAGEMENT 4 Units **INFORMATION SYSTEMS***

Lecture: 4 hours

This course is an introduction to information systems. The objective is to build a basic understanding of the value and use of information system technology for business operations, managerial decision making, project management, and strategic advantage. Topics of special interest include information system planning, application development including systems analysis and design, decision support systems, and expert systems. (UC/CSU) *Credit may be earned for either Cmpsc 51 or Busad 51, but

CMPSC 52: E-COMMERCE* 3 Units

Recommended for Success: Cmpsc 1, Busad 20 3 hours

This course is designed to familiarize individuals with current and emerging electronic commerce technologies using the Internet. Topics include Internet technology for business advantage, managing electronic commerce funds transfer, reinventing the future of business through electronic commerce, business opportunities in electronic commerce, electronic commerce development and marketing, social, political and ethical issues associated with electronic commerce, and business plans for technology ventures. Because companies are using these strategies in a global business environment, discussions of international, legal, ethical, and tax issues are included. The purpose of this course is to educate a new generation of managers, planners, analysts, marketers, and programmers of the realities and potential for electronic commerce. (CSU) *Credit may be earned for either Cmpsc 52 or Busad 52, but not both.

CMPSC 53: PROJECT MANAGEMENT* 3 Units CMPSC 59: GEOGRAPHIC

Recommended for Success: Cmpsc 1

Lecture: 3 hours

COMPUTER SCIENCE

This course is designed to familiarize individuals with current and emerging project management technologies using the Internet, project management software and other application software packages as needed for project completion. Project management knowledge topics will include project integration, scope, time, cost, quality, human resource, communications, risk and procurement management. (CSU)

*Credit may be earned for either Cmpsc 53 or Busad 53, but not both.

CMPSC 54: DATA MINING*

Recommended for Success: Cmpsc 1 3 hours Lecture:

This course was designed to familiarize individuals with current and emerging data mining technologies using the Internet, database software, and other application software packages as needed for project completion. Data mining knowledge topics will include the process of model building. Students will create a representative model based on an existing dataset to help understand trends, patterns, and correlations, as well as forming predictions based on historical outcomes. Students will be introduced to the tools and technologies needed to research and analyze data, resulting in a strategic decision making, marketing plan development, goal setting and identifying

business opportunies. (CSU) *Credit may be earned for either Cmpsc 54 or Busad 54, but not both.

CMPSC 55: DATABASE MANAGEMENT 4 Units

Recommended for Success: Cmpsc 1

Lecture: 4 hours

Fundamentals of database design and administration. Covers basic terminology, types of database systems, and how to design a database appropriate to an application. Topics include linking of tables in a relational database, SQL commands, Query By Example, and design of input forms and reports. Hands-on component uses a current commercial database management system in a Windows environment. (CSU)

CMPSC 58: GIS-ArcVIEW* 1 Unit

Lecture: 1 hour

Introduction to practical application of ArcView software; importation of GIS data, display, visualization, exploration, query, analysis, and production of hard-copy maps and reports. Students will be guided through a complete sequence of application fundamentals similar to what would normally be used in displaying, analyzing, and plotting a standard ArcView GIS application. (CSU)

Offered for Credit/No Credit grading only.

*Credit may be earned for either Cmpsc 58 or Geogr 58, but not both.

1-3 Units **INFORMATION AND GLOBAL POSITIONING SYSTEMS***

Lecture: 1-3 hours

Introduction to basic GIS and GPS concepts and applications in the field of natural resources, earth sciences, and environmental systems. Students will learn to use Global Positioning System base stations and rover units, combined with Geographic Information System software to collect field data and produce maps for spatial analysis and decision-making purposes. The first six weeks will be spent learning ArcView software; the second six weeks will be spent learning to use Ashtech GPS units; and the last six weeks will be spent learning to design and carry out a research project merging GPS and GIS technologies. (CSU) May be repeated with different topics only.

*Credit may be earned for either Cmpsc 59 or Geogr 59, but not both.

3 Units CMPSC 60: INTRODUCTION TO GIS - ArcView*

3 hours Lecture:

3 Units

Introduction to basic GIS concepts which can support the various GIS software programs currently available. Students will be introduced to the ArcView software package as the main vehicle for learning GIS. GIS coverages and maps will be produced from several different data sources. Emphasis will be placed on planning the design of GIS coverages which will permit specific types of queries. (CSU) *Credit may be earned for either Cmpsc 60 or Geogr 60, but not both.

CMPSC 65: GIS APPLICATIONS* 3 Units

Recommended for Success: Cmpsc 60

Lecture: 3 hours

Introduction to practical applications of GIS software, heads-up digitizing, conversion of data, building annotation coverages. Students will gain hands-on experience working on specific projects under supervision. Assignments will include compiling and submitting project reports. (CSU)

May be repeated two times.

*Credit may be earned for either Cmpsc 65 or Geogr 65, but not both.

CMPSC 70: INTRODUCTION TO RASTER- 3 Units **BASED GIS SYSTEMS***

Lecture: 3 hours

The course will introduce students to the Geographic Resources Analysis Support System (GRASS), a powerful, UNIX-based public domain raster GIS system developed by the US Corps of Engineers. Fundamental GIS concepts will be discussed. Various functions of raster-based GIS systems will be demonstrated and contrasted to vector-based systems such as Arc-View. Students should have some familiarity with maps, UNIX, statistics and algebra. (CSU) May be repeated two times.

*Credit may be earned for either Cmpsc 70 or Geogr 70, but not both.

CMPSC 75: GIS APPLICATIONS IN **RESOURCE MANAGEMENT'**

Recommended for Success: Cmpsc 70

3 hours Lecture:

Application of GIS to resource management issues such as watershed analysis, ecosystem analysis, recreation planning, and fire planning. Emphasis on remote sensing data and image processing to derive GIS data. (CSU)

May be repeated two times. *Credit may be earned for either Cmpsc 75 or Geogr 75, but not both.

.5-2 Units CMPSC 101: HOW TO SUCCEED AS AN ONLINE STUDENT

Lecture: .5-2 hours

This course is an introduction to a Face-to-Face and Simulated Online combined course for those interested in taking online courses. The course covers basic components of how a Web-based classroom works as well as the technology skills needed to feel more confident in achieving a successful experience.

May be repeated two times. Offered for Credit/No Credit grading only.

CMPSC 142: DESKTOP PUBLISHING 1-2 Units **ESSENTIALS***

Recommended for Success: Cmpsc 4 and Oftec 215

1-2 hours Lecture:

This course is an introduction to general desktop publishing theory with emphasis on design elements of formatted text, frames, photographs, clipart, lines, and pictures. Students will create sample projects such as newsletters, brochures, flyers, business cards, etc.

*Credit may be earned for either Cmpsc 142 or Oftec 142, but not both.

CMPSC 149: PHOTOSHOP FOR 2-3 Units **THE WEB**

2-3 hours Lecture:

Photoshop is a comprehensive environment for professional designers and graphic producers to integrate digital content for the Web. This course would involve manipulating graphics and digital content for optimum use on any Web-based platform. May be repeated one time.

CMPSC 155: ACCESS

1-2 Units

1-2 hours Lecture:

Develop database applications using Database Management (DBMS) software. Create databases, enter and edit data, query the database, create and use forms, create and print reports, customize fields and tables, manage data and files, use as database for word mail merge.

3 Units | CMPSC: 170 SPECIAL TOPICS IN .5-3 Units **COMPUTER SCIENCE**

.5-3 hours Lecture:

This course will cover special topics in Computer Science to meet individual or agency needs. Emphasis will be on specialized development of skills and knowledge and implementation of training in using computers. May be repeated with different topics.

CMPSC 183A: NETWORKING ESSENTIAL- 3 Units CCNA 1

3 hours Lecture:

Cisco Academy Semester 1. An introduction to Computer Networking and Data Communications. Focus is on concepts, terminology, and technologies in current networking environments. The course includes an introduction to the OSI model and discussions of Local and Wide Area Networks (LAN & WAN). The training leads to CCNA certification.

CMPSC 183B: NETWORKING-CCNA 2: 1.5 Units **ROUTERS AND ROUTING BASICS**

Prerequisites: Cmpsc 41 1 hour Lecture: 2 hours Laboratory:

Cisco Academy Semester 2. An introduction to Wide Area Networks. Emphasis is on the use of routers and data communications equipment. Includes Access Control Lists, Cisco IOS, and the command interface. A laboratory component provides hands-on experience in the configuration of routers.

CMPSC 183C: NETWORKING-CCNA 3: 1.5 Units **SWITCHING BASICS AND** INTERMEDIATE ROUTING

Prerequisites: Cmpsc 183B or equivalent

1 hour Lecture: Laboratory: 2 hours

Cisco Academy Semester 3. Covers Virtual LAN, LAN and WAN design, Routing Protocols, PPP, ISDN, and Frame

CMPSC 183D: NETWORKING-CCNA4: 1.5 Units **WAN TECHNOLOGIES**

Cmpsc 183C or equivalent Prerequisite:

Lecture: 1 hour Laboratory: 2 hours

Cisco Academy Semester 4. Covers Virtual LAN, LAN and WAN design, Routing Protocols, Access Control Lists, Novell IPX, PPP, ISDN, Frame Relay, and Network Management case studies.

DRAFTING

DRAFT 50A: COMPUTER ASSISTED 3 Units **DRAFTING I**

2 hours Lecture: Laboratory: 3 hours

DRAFTING/DRAMA

Introduction to the use of the computer as a tool for accomplishing basic drafting tasks. Included topics: polar and rectangular coordinates, lines, polygons, layers, blocks, editing, hatches, dimensioning, orthographic projections, isometric drawing, layout view, plotting, and an introduction to 3-D. (CSU) (MJC ENGTC 210 AND 211)

DRAFT 50B: COMPUTER ASSISTED 3 Units **DRAFTING II**

Prerequisite: Draft 50A or equivalent

2 hours Lecture: Laboratory: 3 hours

Intermediate to advanced features of AutoCAD through creation of 3-D drawings. Included topics: customizing the AutoCAD environment, use of digitizer tablet, 3-D surfaces, solids modeling, elevated plane, extrusions, revolution, shading, rendering, scenes, lighting, textures, user coordinate system, views and ports, exporting of drawing, external databases. (CSU)

DRAMA

DRAMA 10: INTRODUCTION TO 3 Units THE THEATRE

(CAN DRAM 18)

3 hours

Lecture:

This course provides an introduction to the art of theatre, surveying the roles of the playwright, the director, the actor, the designers, the producer, the critics and the audience. This course investigates the variety of theatrical styles observed in contemporary theatre, compares live theatre with the electronic forms, and assesses the value of theatre in modern society. This course is designed to promote the student's greater understanding and enjoyment of the theatrical form. (UC/CSU) (MJC THETR 100) Field trips will be required.

DRAMA 18: VOICE DYNAMICS* 3 Units

Lecture: 2 hours Laboratory: 3 hours

A study of Voice Dynamics will focus on vocal psychology, breathing, relaxation, vocal variety, projections, articulation, placement, phonetics, ear training and vocal analyses, character "voices", dialects and accents. This course is designed for self-improvement and for students who wish to increase their vocal skills for professional use. (UC/CSU) (MJC RA/TVSPCOM/THETR 101)

May be repeated three times.

*Credit may be earned for either Drama 18 or Spcom 18, but not both.

DRAMA 19: EXPLORING RADIO DRAMA*

1.5-3 Units

1.5-3 hours Lecture:

An intensive course focused on the expressive use of the voice and sound effects. It may be taken in two sections, each for 1.5 units. Students will rehearse, perform and provide sound effects for dramatic scripts to be broadcast on radio. Scripts will be rehearsed on campus with final production taped and broadcasted. (CSU)

May be repeated three times.

*Credit may be earned for either Drama 19 or Spcom 19, but

DRAMA 20: ORAL EXPRESSION AND 3 Units INTERPRETATION

3 hours Lecture:

Techniques in reading literature aloud; vocal development, production, articulation, and variety; understanding and interpreting prose, poetry, and dramatic literature; processes in the oral performance of principal literary genre. (UC/CSU) (MJC THETR 120)

DRAMA 22: INTRODUCTION TO 3 Units **READERS' THEATRE**

Lecture: 2 hours Activity: 3 hours

Theory and practice of Readers' Theatre as an art form. Directed experiences in selecting, cutting, arranging and performing the Readers' Theatre script. (UC/CSU) (MJC THETR 122)

DRAMA 42: ACTING FUNDAMENTALS 3 Units

(CAN DRAM 8)

Lecture: 2 hours Activity: 3 hours

Investigation of techniques and theories prerequisite to theatrical performances; psychological, philosophical, and practical preparation for the actor's art. (UC/CSU) (MJC THETR 160)

May be repeated three times.

DRAMA 43: ACTING-DIRECTING 3 Units

Lecture: 2 hours 3 hours Activity:

A workshop in techniques of both acting and directing with specific focus upon the production of short scenes from a variety of theatrical genres. (UC/CSU) May be repeated three times.

DRAMA 44: ADVANCED ACTING 1-3 Units **PROJECTS**

Prerequisite: Drama 45

3 hours equals 1 unit of credit Laboratory:

Lecture: 1 hour, Laboratory: 3 hours equals 2 units of

1 hour, Laboratory: 6 hours equals 3 units of Lecture:

Advanced workshop activity for production of one-act plays, segments of longer plays or full length plays; intensive workshop concentration designed for public performances. Casting subject to audition. (UC/CSU) May be repeated three times.

DRAMA 45: IMPROVISATION

3 Units

3 hours Lecture: Laboratory: 1 hour

Intensive study of the basic techniques of improvisational acting with specific concentration on improvisational theatre production formats as well as development of group inspired and created scenarios and one-act plays. (UC/CSU)

May be repeated three times.

DRAMA 46: IMPROVISATIONAL 3 Units **ACTING FOR PERFORMANCE**

2 hours Lecture: 3 hours Laboratory:

The focus of this course is on the use of improvisation for performance with particular emphasis on complex formats to include various literary genres, song, narrative and miniplays. The class will perform in a variety of venues, both on campus and in the community for a variety of audiences and purposes. (UC/CSU) (MJC THETR 164) May be repeated three times. Field trips may be required.

DRAMA 50: MUSICAL THEATRE 2 Units WORKSHOP

1 hour Lecture: Laboratory: 3 hours

An exploration of musical theatre to develop singing, dancing, and acting skills, culminating in a public performance of scenes from selected musicals. (UC/CSU) May be repeated three times.

DRAMA 56: TECHNICAL THEATRE 1-3 Units **LABORATORY**

(CAN DRAM 16)

Laboratory: 3-9 hours

Applied laboratory experience in all phases of technical theatre related to mounting a production; practical projects in design and construction involving costumes, stage settings, stage properties, lighting, sound, and makeup for a specific theatre production. (UC/CSU) May be repeated three times.

DRAMA 58: THEATRE PRODUCTION 4 Units

Lecture: 1 hour Laboratory: 9 hours

Directed activities in acting and technical theatre with participation in public performances and related production activities. (UC/CSU)

May be repeated three times.

EARTH SCIENCE

4 Units ESC 5: PHYSICAL GEOLOGY

(CAN GEOL 2) 3 hours Lecture: Laboratory: 3 hours

The study of the earth, its materials, structures, and processes. Erosion and deposition by streams, wind, waves and glaciers; mountain building and volcanoes at subduction zones, and rifting of the earth's plates at mid-ocean ridges; tracing the energy from the sun and from the earth's interior as it drives all of the processes of change on earth; the study of life on earth, past and present; the search for valuable minerals and building materials from the earth. (UC/CSU) (MJC GEOL 161) Field trips may be required.

ENVIRONMENTAL GEOLOGY 3 Units ESC 10:

Lecture: 3 hours

Students will be introduced to environmental geology, which includes the study of hazards associated with seismicity, mass wasting, flooding, coastal processes, and volcanism. Resource and pollution issues will be discussed in the context of population pressures. Global warming and ozone depletion/hole are also covered. Students will learn to conduct geologic research and will work collaboratively with peers inquiring about geo-environmental issues. (UC/CSU)

3 Units **GEOLOGY OF THE** ESC 25: **NATIONAL PARKS**

3 hours Lecture:

The study of the earth's surface in relation to the formation of our National Parks. What part glaciation, erosion, volcanism, and other mountain building processes play in the formation of the National Parks.(CSU) (MJC GEOL 64) Field trips may be required.

3 Units **GLOBAL TECTONIC ESC 30: GEOLOGY**

3 hours Lecture:

An introduction to the new global geology and how it has revolutionized man's understanding of the way the earth works. For all who wish to learn about the earth's wandering continents and spreading sea floors; what causes rising mountain ranges, volcanoes, and earthquakes; and the role that magnetism has played in the revelation of the new geology. (UC/CSU)

1-3 Units **FIELD GEOLOGY ESC 35:**

1-3 hours Lecture:

A field study of selected geologic features and related Earth Science topics. A one to seven day field trip will be taken with pre- and post-classroom sessions. (CSU) (MJC GEOL 171A, B)

May be repeated three times.

ESC 40: DESCRIPTIVE ASTRONOMY 3 Units | ECON 11:

EARTH SCIENCE/ECONOMICS/EMERGENCY MEDICAL SERVICES

Lecture: 3 hours

A survey course in astronomy. Topics include history of astronomy, telescopes, solar system, stars, galaxies, origin of universe, and extraterrestrial life. Outside class assignments include one hour per week of computer-assisted learning activity. (UC/CSU)

Field trips may be required.

OCEANOGRAPHY ESC 50: 4 Units

3 hours Lecture: Laboratory: 3 hours

This course will provide students with insights into the field of Oceanography. Students will be exposed to various subtopics including plate tectonics, the ocean floor, air-sea interactions, ocean circulation, waves and water dynamics, tides, earth resources, the coast and coastal processes, the marine habitat and its animal and plant life, etc. This course will spend time teaching you to critically think as an oceanographer does in order to solve oceanographic problems. You will be able to transfer these thinking skills to other areas of your life. This course is a general science class, intended to satisfy general education requirements for non-majors as well as one of the first courses expected of oceanography and marine geology majors. (uc/csu) May be repeated one time.

METEOROLOGY ESC 62: 3 Units

Lecture: 3 hours

This course will provide you with an introduction to the field of Meteorology. You will be exposed to various subtopics including air pollution, clouds, precipitation, fog, storms, weather forecasting, the greenhouse effect, ozone depletion, and global warming. This course will include teaching you to critically think as a meteorologist does in order to solve meteorological problems. You will be able to transfer these thinking skills to other areas of your life. (CSU/UC)

Field trips may be required. May be repeated one time.

GEOLOGY OF THE .5-2 Units ESC 150: **MOTHER LODE**

.5-2 hours Lecture: .

Lecture:

Geology of the Mother Lode from its astronomical beginnings to the present; including rocks and minerals, rivers, glaciers, mountains, earthquakes, and volcanoes. Field trips may be required.

ECONOMICS

ECON 10: PRINCIPLES OF ECONOMICS 4 Units

(CAN ECON 2) 4 hours

Macro-economics. Introduction to the U.S. economy and capitalism; national income and employment analysis, economic fluctuations, monetary fiscal policies, economic stability-instability, public finance, and special economic

problems. (UC/CSU) (MJC ECON 101)

PRINCIPLES OF ECONOMICS 4 Units

(CAN ECON 4)

Lecture: 4 hours

Micro-economics. The corporation: analysis of costs, theory of production, pricing factor inputs including wages, rent, and interest; the social implications of various market structures; special economic problems. (UC/CSU) (MIC ECON 102)

EMERGENCY MEDICAL SERVICES

See Page 33 for Certificate Requirements

EMS 4: **EMERGENCY MEDICAL** 7 Units **TECHNICIAN TRAINING**

Prerequisite: EMS 13 or EMS 157 or equivalent

Lecture: 7 hours Laboratory: 1 hour

An intensive course to assist the student in developing didactic and manipulative skills to recognize and treat illness and injuries in the pre-hospital environment. The course meets State of California training guidelines and prepares students for state certification as Emergency Medical Technicians. (CSU)

EMS 7: **EMERGENCY MEDICAL** 1.5 Units **TECHNICIAN REFRESHER**

Prerequisites: EMS 4 or EMS 157

1.5 hours Lecture:

Designed to update existing EMT certificates, or to provide continuing education (CE) for EMT and First Responder certificated personnel. An intensive course to assist and refresh the student on the latest techniques and proper application of equipment, recognition of illness and injuries and the latest proper procedures in emergency pre-hospital care. The students will reacquaint themselves with the equipment, systems, and skills used by Emergency Medical Technicians in emergency medical situations. This course meets or exceeds all course requirements as outlined in the California Code of Regulations, Title 22, Social Security Division 9, Pre-hospital Emergency Medical Services Chapter 2, for Emergency Medical Technicians and prepares students for re-certification: May be repeated if information changes due to state/local

government regulations; as required for employment; or to maintain employment.

(CSU)





OUTDOOR EMERGENCY EMS 10: **CARE TRAINING**

6 hours Lecture: Laboratory 1 hour

This is an intensive course to assist the student in developing didactic and manipulative skills to recognize and treat illness and injuries in the non-urban, pre-hospital environment. The course shall meet or exceed the training guidelines and requirements as specified by the National Ski Patrol and the American Academy of Orthopedic Surgeons. Those students wishing to become National Ski Patrol Basic Patrollers must have approval from sponsoring agency and may be required to pass a skiing proficiency test on the first day of the class or prior to certification. (CSU)

Field trips may be required. May be repeated if information changes due to state/local government regulations; as required for employment, or to maintain employment.

PRE-PARAMEDIC TRAINING 8 Units EMS 12:

Lecture: 8 hours

Provides prerequisites needed for entry into a Paramedic Training Program. An intensive course dealing with anatomy, physiology, pharmacology, and EKG interpretation, and their relationship in the pre-hospital environment. Current EMT certification is required. Two or more years of pre-hospital work experience is strongly recommended. A class entrance exam will be administered on the first evening of class. (CSU) May be repeated one time.

ADVANCED FIRST AID AND 3 Units EMS 13: **EMERGENCY CARE**

3 hours Lecture:

This course is designed to develop the functional capabilities of individuals who as part of their employment or everyday experiences may be required to provide emergency first aid prior to the arrival of qualified medical personnel. (CSU) (MJC HE 101)

May be repeated if information changes due to state/local government regulations; as required for employment, or to maintain employment.

BASIC CARDIOLOGY AND 3 Units EMS 20: **CARDIAC DYSRHYTHMIAS**

Lecture: 3 hours

An intensive course that details basic cardiac anatomy and physiology, normal vs. abnormal cardiac function, electrocardiogram recognition of cardiac dysrhythmias, and the interventions, including pharmacologic therapy, pertaining to specific dysrhythmias. Designed for both the health care professional and the pre-hospital care professional. Serves as an excellent ACLS review and/or prepares students for paramedic training program. Meets requirements for "Monitor Technician" at many health care facilities. Current EMT certification and/or LVN or higher nursing certification is required for class eligibility. (CSU) (MIC

May be repeated if information changes due to state/local government regulations; as required for employment, or to maintain employment.

PARAMEDIC TRAINING - 13 Units 6 Units | EMS 43: **DIDACTIC COMPETENCIES**

EMS 12 or equivalent; or Biol 10, Biol 60, and Prerequisite:

EMS 20, or equivalent

200 hours Lecture: Laboratory: 100 hours

This course is designed to assist the student in developing didactic and manipulative skills to recognize and treat illness and injuries in the prehospital environment. This course provides 300 hours of Paramedic didactic instruction and meets or exceeds those policies outlined in Title 22, Division 9, Chapter 4, Article 3 of the California Code of Regulations for Paramedic Training Programs and assists in preparing students for State Licensure as an Emergency Medical Technician—Paramedic. Entrance to this course requires possession of a valid and current California EMT certification, as well as a minimum 1 year of experience working as an Emergency Medical Technician. An entrance examination process will be administered to assess minimum base-line competencies required for student success.

EMS 44: PARAMEDIC TRAINING - 11 Units PRE-CLINICAL TRAINING AND CLINICAL EXPERIENCE

Preprequisite: EMS 43 or equivalent

140 hours Lecture: Laboratory: 162 hours

May be repeaed one time.

This course is designed to assist the student in developing didactic and manipulative skills to recognize and treat illness and injuries in the pre-hospital environment. This course provides a minimum of 140 hours of Paramedic classroom instruction including Advanced Cardiac Life-Support Training, Pediatric Emergency Care (either PALS or PEPP) and advanced Trauma Care (either PHTLS or BTLS) as well as a minimum of 160 hours of clinical experience in the hospital acute care setting. This course is conducted in accordance with policies outlined in Title 22, Division 9, Chapter 4. Article 3 of the California Code of Regulations for Paramedic Training Programs and assists in preparing students for State Licensure as an Emergency Medical Technician—Paramedic. Entrance to this course requires possession of a valid and current California EMT certification, as well as a minimum 1 year of experience working as an Emergency Medical Technician. An entrance examination process will be administered to assess minimum base-line competencies required for student success. (CSU) May be repeated one time.

EMS 45: **PARAMEDIC TRAINING -**9 Units FIELD INTERNSHIP & PARAMEDIC **TERMINAL COMPETENCIES**

Prerequisite: EMS 43 or equivalent and 44 or equivalent

Laboratory: 500 hours

EMERGENCY MEDICAL SERVICES

An intensive course of instruction designed to assist the student in developing didactic and manipulative skills to recognize and treat illness and injuries in the pre-hospital environment. This course meets or exceeds all course requirements pertaining to a Field Internship as outlined in Title 22, Division 9, Chapter 4, Article 3 of the California Code of Regulations for Paramedic Training programs and prepares students for State Licensure as an Emergency Medical Technician—Paramedic. (CSU) May be repeated one time.

EMS 70: SPECIAL TOPICS IN EMS .5-4 Units

Lecture: .5-4 hours

and/or

Laboratory: .5-3 hours

Various topics in Emergency Medical Services. Emphasis will be placed on specialized courses to meet industry or governmental mandates.(CSU)

May be repeated with different topics only. Field trips may be required.

EMS 97: **WORK EXPERIENCE IN** 1-4 Units **EMERGENCY MEDICAL SERVICE**

Prerequisite: Must be enrolled in at least seven (7) units including Work Experience.

75 hours paid employment equals 1 unit of credit 60 hours unpaid employment equals 1 unit of credit Provides students an opportunity to experience supervised employment in EMS. The student's employment must be related to educational or occupational goals. (CSU*) (*Transfer credit limited. See a counselor.) Offered for Credit/No Credit grading only May be repeated for no more than a total of 16 units of credit less any units earned in any other Work Experience course. For students interested in working full time one semester and attending classes one semester on an alternate basis, see

EMS 110: **AUTOMATED EXTERNAL** .5 Unit **DEFIBRILLATION & PROFESSIONAL RESCUER CPR**

.5 hour Lecture:

Wkexp 96, page 129.

Course is designed for those individuals seeking initial certification or recertification for Automated External Defibrillation & CPR. This course will provide or improve core knowledge and develop and improve psychomotor skills associated with the delivery emergency care to the patient experiencing a life-threatening cardiac emergency. This course meets and/or exceeds the minimum standards of state & local EMS agencies, as is consistent with the guidelines as proscribed by the American Heart Association for Automated External Defibrillation Providers. May be repeated if information changes due to state/local government regulations; as required for employment; or to maintain employment.

Offered for Credit/No Credit grading only

EMS 153: CPR AND BASIC FIRST AID .5 Unit

Lecture:

A basic course for an emergency services professional or the citizen who wishes to maintain or acquire Cardio-Pulmonary Resuscitation (CPR) and basic first aid certification, or who wishes to learn CPR and basic first aid techniques. Successful course completion results in CPR and basic first aid certification.

May be repeated if information changes due to state/local government regulations; as required for employment; or to maintain employment.

Offered for Credit/No Credit grading only

EMS 157: FIRST RESPONDER AND CPR 3 Units

Lecture: 3 hours

A basic course for emergency service workers (volunteer or professional) who may in the performance of their duties be responding to medical emergencies. Particular emphasis will be placed on situations unique in the rural setting. Stresses continuity of care through the approach to the patients and prioritization of their injuries/illnesses where advanced life support response is delayed or unavailable. Meets or exceeds United States Department of Transportation National Standard Curriculum, and state and local government requirements. (MJC FSCI 365) May be repeated if information changes due to state/local

government regulations; as required for employment; or to maintain employment.

Offered for Credit/No Credit grading only

EMS 170: SPECIAL TOPICS IN EMS .5-4 Units

.5-4 hours Lecture:

and/or

.5-3 hours Laboratory:

Various topics in Emergency Medical Services. Emphasis will be placed on specialized courses to meet industry or governmental mandates.

May be repeated with different topics only. Field trips may be required.

EMS SKILLS DEVELOPMENT 2 Units EMS 175:

Lecture: 1.5 hours

Laboratory: .5 hour

This course is strongly recommended for student success for those students enrolled in any of the following EMS course offerings: First Responder Training (EMS 157), Advanced First Aid (EMS 13) and EMT Training (EMS 4), and Paramedic Training. The course focuses on the development of basic skills needed for the operation of a variety of emergency medical equipment according to commonly accepted protocols. Sessions are designed to develop speed and accuracy in the application of equipment and enhance assessment and treatment techniques. May be repeated three times.

ENGLISH

(Note: Please see Schedule of Classes for English as a Second Language, English 305, a non-credit course)

READING AND 3 Units ENGL 1A: **COMPOSITION: Beginning**

(CAN ENGL 2) (CAN ENGL SEQ A = ENGL 1A + ENGL 1B)

Engl 151, or placement through the Prerequisite: assessment process, or equivalent

3 hours Lecture:

Development of college level reading and composition skills. Emphasis will be on applying techniques of critical analysis to reading, interpreting, writing, and conducting research. Writing emphasis will be on the expository essay, including the longer documented essay. Note: Students will complete a minimum of 8,000 words by the end of the semester. (UC/CSU) (MJC ENGL 101)

ENGL 1B: **READING AND** 3 Units **COMPOSITION: Advanced**

(CAN ENGL 4) (CAN ENGL SEQ A = ENGL 1A + ENGL 1B)

Engl 1A or equivalent Prerequisite:

Lecture: 3 hours

Further development of reading and composition skills based on critical study of poetry, drama, and fiction. (UC/ CSU) (MJC ENGL 102)

ENGL 1C: CRITICAL REASONING 3 Units **AND WRITING**

Prerequisite: Engl 1A or equivalent

Lecture: 3 hours

Designed to develop critical thinking, reading, and writing beyond the level taught in English 1A. Will focus on the development of logical reasoning, analysis, and argumentation in composition. (UC/CSU) (MJC ENGL 103)

ENGL 10: **CREATIVE WRITING** 3 Units

(CAN ENGL 6)

Prerequisite: Enal 1A or equivalent

3 hours

Instruction and practice in writing poetry, fiction drama, and non-fiction prose, including autobiography, essays, and articles. Students may choose to concentrate on one particular form. Analysis of contemporary works with respect to literary techniques. The class employs a workshop format. (UC/CSU) (MJC ENGL 106) May be repeated two times.

FILM APPRECIATION 3 Units **ENGL 11:**

Prerequisite: Engl 1A or equivalent

2.5 hours Lecture: Laboratory: 1.5 hours

Development of technical awareness and critical thinking in individual response to cinema and cinema into video. (UC/CSU) (MJC ENGL 161)

May be repeated one time.

ENGL 17: AMERICAN LITERATURE 3 Units

(CAN ENGL 14) (CAN ENGL SEQ C = ENGL 17 + ENGL

Prerequisite: Engl 1A or equivalent Recommended for Success: Engl 1B

3 hours

A study of American literature from its beginning to the late nineteenth century. Reading, analysis, and discussion of the major literary trends and authors of the time. including Emerson, Thoreau, Poe, Hawthorne, Melville, Whitman, and Dickinson, (UC/CSU) (MIC ENGL 135)

AMERICAN LITERATURE ENGL 18: 3 Unit

(CAN ENGL 16) (CAN ENGL SEQ C = ENGL 17 + ENGL

Prerequisite: Engl 1A or equivalent Recommended for Success: Engl 1B

Lecture: 3 hours

A study of American literature from the late nineteenth century to the present. Reading, analysis, and discussion of the major literary trends and authors of the time, including Twain, James, Crane, Frost, Eliot, and Faulkner as well as a diverse group of contemporary writers. (UC/CSU) (MJC **ENGL 136)**

ENGL 46: SURVEY OF ENGLISH 3 Units LITERATURE

(CAN ENGL 8) (CAN ENGL SEQ B = ENGL 46 + ENGL 47)

Prerequisite: Engl 1A or equivalent Recommended for Success: Engl 1B

Lecture: 3 hours

English literature from the Anglo-Saxons through the 18th Century. (UC/CSU) (MJC ENGL 137)

SURVEY OF ENGLISH ENGL 47: 3 Units LITERATURE

(CAN ENGL 10) (CAN ENGL SEQ B = ENGL 46 + ENGL

Prerequisite: Engl 1A or equivalent Recommended for Success: Engl 1B

3 hours

English literature of the 19th and 20th Centuries. (UC/CSU) (MJC ENGL 138)

ENGL 49: CALIFORNIA LITERATURE 3 Units

Prerequisite: Engl 1A or equivalent Recommended for Success: Engl 1B

3 hours

An overview of the literary heritage of California, from its early origins to Harte, Bierce, and Twain through the realism of Norris and London, the regionalism of Steinbeck, Saroyan, Jeffers to the naturalism of Muir. Also will include writings from the Carmel cadre, the San Francisco Beat writers, to comtemporary writers including Stegner, Yamamoto, Soto, Haslam, Tan, Didion, Rose, Miles, and Valdez. The approach will emphasize the rich ethnic diversity that has contributed to our literary heritage. (UC/CSU)

ENGL 50: INTRODUCTION TO SHAKESPEARE

Prerequisite: Engl 1A or equivalent Recommended for Success: Engl 1B

Lecture: 3 hours

An introduction to the representative works by Shakespeare including the characteristics of the different genrescomedy, history, and tragedy, and a study of a number of the sonnets. In addition, students will study the literary, social, and historical backgrounds of Shakespeare's time as they affect the meaning of the works studied. (UC/CSU) (MJC ENGL 163)

ENGL 95A: SERVICE LEARNING I 2 Units IN ENGLISH

Lecture: 1 hour Laboratory: 3 hours

Service Learning Experience I, when paired with course curriculum, is designed to create an opportunity to understand the relationship between academic study and community service through both practical applications and critical reflection. Volunteerism and Service Learning will be examined from theory to practice. This course is designed to meet specific student interests. Consult the Service Learning coordinator for specific procedures. Students will be required to participate in a Service Learning experience for a minimum of 54 hours and attend 18 hours of lecture. (CSU)

ENGL 95B: SERVICE LEARNING II 2 Units IN ENGLISH

Lecture: 1 hour Laboratory: 3 hours

Continues the Service Learning Experience with a mentoring component in which Service Learning II students mentor Service Learning I students. (CSU) May be repeated two times.

ENGL 151: PREPARATION FOR 4 Units **COLLEGE COMPOSITION**

Recommended for Success: Engl 250

4 hours

Developing writing skills. Students will implement writing process strategies in the production of 500-750 word essays. This course will emphasize techniques for developing descriptive, narrative, and expository essays, while demonstrating control over structural components of writing. Reading skills as they relate to writing will be developed in conjunction with writing assignments. Instruction will include using word processing for writing. Satisfactory completion of this course will prepare students for English 1A. Note: Concurrent enrollment in Writing Skills Workshop (Engl 249) will facilitate success in English 151. (MJC **ENGL 50)**

May be repeated one time.

ENGL 206: ENGLISH AS A SECOND 3 Units **LANGUAGE - Advanced**

Lecture: 3 hours

3 Units

This course will prepare the non-native speaker of English for regular college courses. It will involve reading, writing, listening and speaking with emphasis on reading various college-level materials and writing essays with additional preparation for success on the TOEFL. May be repeated three times.

ENGL 249: WRITING SKILLS WORKSHOP 1 Unit

Co-requisite: Enrollment in Engl 151 or Engl 250

Lecture:

Individual assistance for students enrolled in English 151 or English 250. Students will be assisted with prewriting, revision and proofreading strategies. The focus will be on encouraging students to identify their specific problems when completing writing assignments for English 151/ 250.

Offered Credit/No Credit grading only. May be repeated two times.

ENGL 250: ENGLISH FUNDAMENTALS 3 Units

Lecture: 3 hours

Fundamentals of writing process. Students will engage in the various stages of writing process. Emphasis will be on improving writing fluency and grammatical skills; developing sentence structure and proofreading strategies within the context of brief 250-500 word essays. Instruction will include using word processing for writing. (MJC ENGL 49)

FIRE TECHNOLOGY

See Page 33 for Certificate Requirements

FIRE 1: FIRE PROTECTION 3 Units **ORGANIZATION**

Lecture: 3 hours

Introduction to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection; fire loss analysis; fire department as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics. (CSU) (MJC FSCI 301)

FIRE 2: **FIRE PREVENTION** 3 Units **TECHNOLOGY**

Prerequisite: Fire 1 or equivalent

Lecture: 3 hours

Fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationship of fire prevention with fire safety education and detection and suppression systems. (CSU) (MJC FSCI 302)



FIRE PROTECTION FIRE 3: **EQUIPMENT AND SYSTEMS**

Prerequisite: Fire 1 or equivalent

Lecture: 3 hours

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. (CSU) (MJC FSCI 303)

BUILDING CONSTRUCTION 3 Units FIRE 4: **FOR FIRE PROTECTION**

Prerequisite: Fire 1 or equivalent

3 hours

This course is the study of the components of building construction that relate to fire safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, pre-planning fire operations, and operating at fires. The development and evolution of building and fire codes will be studied in relation to past fires in residential, commercial, and industrial occupancies. (CSU) (MJC FSCI 304)

3 Units **FIRE BEHAVIOR AND** FIRE 5: COMBUSTION

Prerequisite: Fire 1 or equivalent

Lecture: 3 hours

Theory and fundamentals of how and why fires start, spread, and are controlled; an in-depth study of fire chemistry and physics, fire characteristics of materials, extinguishing agents, and fire control techniques. (CSU) (MIC FSCI 305)

WILDLAND FIRE CONTROL 3 Units FIRE 7:

Prerequisite: Fire 1 or equivalent

Lecture: 3 hours

Covers factors affecting wildland fire prevention, fire behavior, and fire control techniques; the statewide wildland fire problem and protection system; pre-suppression, suppression, post-suppression activities of a protection organization; and the utilization of resources to complete the suppression organization activities using strategy and tactics and safety procedures effectively. (CSU) (MJC FSCI 337)

2 Units **INTRODUCTION TO FIRE 10: SEARCH THEORY***

2 hours Lecture:

An overview of current search theories as developed by the National Park Service and the National Association for Search and Rescue. National Association for Search and Rescue Certification available to the student. (CSU) May be repeated two times.

*Credit may be earned for either Fire 10 or SAR 10, but not

1 Unit DRIVER/OPERATOR 3 Units | FIRE 29A: **TRAINING 1A**

Fire 101 or Firefighter I certificate or Volunteer Prerequisite: Firefighter certification or equivalent

.5 hours Lecture:

1.5 hours Laboratory:

Designed to provide the student with information on driver techniques for emergency vehicles and techniques of basic inspection and maintenance for emergency vehicles, including actual driving exercises under simulated emergency conditions. (CSU) (CC FIRE 29A and 29B = MJC FSCI 364)

DRIVER/OPERATOR 1 Unit FIRE 29B: **TRAINING 1B**

Fire 101 or Firefighter I certificate or Volunteer Prerequisite: Firefighter certification or equivalent

Lecture: 1.5 hours Laboratory:

Designed to provide the student with information and skills on Pump Techniques and Operations including basic inspection and maintenance. (CSU) (CC FIRE 29A and 29B = MIC FSCI 364)

Maybe repeated if information changes due to state/local government regulations; as required for employment; or to maintain employment.

1.5 Units **LOW ANGLE** FIRE 50: **ROPE RESCUE***

1.5 hours

This course is designed to take the student to the basic skill and knowledge levels of Low Angle (not vertical) Rope Rescue. Topics will include, but are not limited to, basic rappelling, rescue of ambulatory and non ambulatory persons with an emphasis on safety and team work. This course will reflect current Urban Search and Rescue and California State Fire Training standards and equipment. Students completing this course will be certified in Low Angle Rope Rescue by the California State Fire Marshall's Office. (CSU)

Offered for Credit/No Credit grading only.

May be repeated if information changes due to state/local government regulations; as required for employment; or to maintain employment.

*Credit may be earned for either Fire 50 or SAR 50, but not both.

FIRE 51: **HIGH ANGLE ROPE RESCUE***

Prerequisite: Fire 50 or SAR 50 or equivalent

Lecture: 1.5 hours

FIRE TECHNOLOGY

This course is designed to take the student from the basic skill levels of Low Angle (non-vertical) Rope Rescue Certification to the more complex rappelling and rope rescue skills found in High Angle (vertical) Rope Rescue situations. This course will reflect current Urban Search and Rescue and California State Fire Training standards. (CSU) May be repeated if information changes due to state/local

government regulations; as required for employment; or to maintain employment.

Offered for Credit/No Credit grading only.

*Credit may be earned for either Fire 51 or SAR 51, but not

FIRE 56: EMERGENCY 1 Unit TRENCH SHORING*

Lecture: 1 hour

This course is designed to take the student to the basic skill and knowledge levels of Emergency Trench Shoring. Topics will include, but are not limited to: preplanning, size up and management of the trench incident, rescuer and victim safety, methods of trench shoring, victim extrication and post incident considerations. This course will reflect current CAL-OSHA and California State Fire Training Standards and equipment. Students completing this course will be certified in Trench Rescue by the California State Fire Marshall's office.(CSU)

May be repeated if information changes due to state/local government regulations; as required for employment; or to maintain employment.

Offered for Credit/No Credit grading only.

*Credit may be earned for either Fire 56 or SAR 56, but not both.

1.5 Units FIRE 58: **RESCUE SYSTEMS I: FUNDAMENTALS OF HEAVY RESCUE***

Lecture: 1 hour Laboratory: 1.5 hours

Instruction in techniques used to evaluate injured or trapped people in above and below ground settings. Topics include rope rescue; building collapse and shoring; lifting and moving heavy objects; and the use of fire service ladders as rescue tools. (CSU) This course meets or exceeds certificate requirements from the California State Fire Marshals Office and the Federal Emergency Management Agency in Rescue Systems I: Fundamentals of Heavy Rescue. Offered for Credit/No Credit grading only.

May be repeated if information changes due to state/local government regulations; as required for employment; or to maintain employment.

*Credit may be earned for either Fire 58 or SAR 58, but not

1.5 Units | FIRE 59: **RESCUE SYSTEMS I: INSTRUCTOR TRAINING***

3 hours Lecture:

Review and update of heavy duty rescue skills and techniques designed to prepare qualified personnel to teach those skills and techniques to others.(CSU)

Offered for Credit/No Credit grading only.

May be repeated if information changes due to state/local government regulations; as required for employment; or to maintain employment.

*Credit may be earned for either Fire 59 or SAR 59, but not

FIRE 70: SPECIAL TOPICS IN FIRE .5-3 Units **TECHNOLOGY**

.5-3 hours Lecture:

and/or

Laboratory: 1.5-3 hours

Various topics in Fire Technology will be covered to meet individual or agency needs. Emphasis on specialized development of skills and knowledge, district planning, development and implementation of training and fire ground evolutions. (CSU)

May be repeated with different topics only.

FIRE 97: **WORK EXPERIENCE IN** 1-4 Units **FIRE TECHNOLOGY**

Prerequisite: Must be enrolled in at least seven (7) units including Work Experience.

75 hours paid employment equals 1 unit of credit 60 hours unpaid employment equals 1 unit of credit Provides students an opportunity to experience supervised employment in Fire Technology. The student's employment must be related to educational or occupational goals. (CSU*) (*Transfer credit limited. See a counselor.) Offered for Credit/No Credit grading only.

May be repeated for no more than a total of 16 units of credit less any units earned in any other Work Experience course. For students interested in working full time one semester and attending classes one semester on an alternate basis, see Wkexp 96, page 129.

FIRE 101: FIREFIGHTER I ACADEMY 15 Units

Prerequisite: Fire 1 or equivalent

15 hours Lecture:

Basic Firefighter Academy includes: firefighter safety, use and maintenace of tools and equipment, emergency scene operations, basic fire prevention and investigation. (Partial fulfillment of requirements for California State Board of Fire Services, "Firefighter I Certification.")

FIRE 102: FIREFIGHTER I INTERNSHIP 4 Units

Prerequisite: Fire 101 or equivalent

300 hours supervised employment equals 4 units of credit Provides eligible Fire Technology students an opportunity to complete the requirements for the California Firefighter I certification through supervised employment in the fire

Offered for Credit/No Credit grading only. May be repeated two times.



3 Units

FIREFIGHTER ACADEMY II 7 Units | FIRE 120: FIRE 103:

California Firefighter I certification Prerequisite:

7 hours Lecture:

Prepares firefighters to perform essential and advanced emergency scene operations with minimal supervision. Includes safety, rescue operations, use and maintenance of tools and equipment, fire prevention and investigation. Field trips may be required.

FIRE 104: FIREFIGHTER II INTERNSHIP 4 Units

Prerequisite: Fire 103 or equivalent

300 hours of supervised employment equals 4 units of credit. Provides eligible Fire Technology students an opportunity to complete the requirements for the California Firefighter II certification through supervised employment in the fire

Offered for Credit/No Credit grading only.

FIRE 106: **HAZARDOUS MATERIALS** 1 Unit FIRST RESPONDER "OPERATIONAL"

Prerequisite: Fire 1 or equivalent

Lecture: 1 hour

Meets requirements of CAL-OSHA for training of emergency responders to hazardous materials incidents. Includes awareness and recognition of potential hazards, and procedures to insure safety of emergency personnel, the public and the environment.

Offered for Credit/No Credit grading only.

CONFINED SPACE .5 Unit FIRE 108: **AWARENESS**

Prerequisite: Fire 101 or Volunteer Firefighter Certification or equivalent

Prepares students to safely conduct rescue operations in confined spaces. Meets the requirements of CAL-OSHA Title 8 for "Confined Space Awareness Level" training. Field trips may be required.

Offered for Credit /No Credit grading only.

HAZARDOUS MATERIALS .5 Unit FIRE 109: FIRST RESPONDER "OPERATIONAL" REFRESHER

Prerequisite: Fire 106 or equivalent

.5 hours

Review of safety issues and changes in placarding and labeling. Required annual update by CAL-OSHA. Offered for Credit/No Credit grading only.

May be repeated if information changes due to state/local government regulations; as required for employment; or to maintain employment.

FIRE 110: **ICS 200-BASIC INCIDENT** 1 Unit **COMMAND SYSTEM**

Prerequisite: Fire 1 or equivalent

1 hour

Introduces students to the principles and features associated with the Incident Command System.

Offered for Credit/No Credit grading only.

May be repeated two times.

FIRE OPERATIONS 1.5 Units IN THE URBAN INTERFACE

1.5 hours Lecture:

This course addresses content in initial attack incident command and control of wild land fire that threatens life property and improvements.

May be repeated if information changes due to state/local government regulations; as required for employment, or to maintain employment.

VOLUNTEER FIRE 155: 2.5 Units FIREFIGHTING TRAINING

2 hours Lecture: Laboratory: 1.5 hours

Current concepts, techniques, skills and theories for volunteer firefighters.

Offered for Credit/No Credit grading only.

SPECIAL TOPICS IN FIRE .5-3 Units FIRE 170: **TECHNOLOGY**

Lecture:

.5-3 hours

and/or

Laboratory: 1.5-3 hours

Various topics in Fire Technology will be covered to meet individual or agency needs. Emphasis on specialized development of skills and knowledge, district planning, development and implementation of training and fire ground evolutions.

May be repeated with different topics only.

FOREIGN LANGUAGE (See Spanish)

FORESTRY

FORES 1: **INTRODUCTION TO** 3 Units **PROFESSIONAL FORESTRY**

3 hours Lecture:

Survey of the major U.S. forest regions and significant forest history events. Forestry practices, wood utilization and applied techniques of private tree farm/woodlot management for long-term production of timber, fuel wood, Christmas trees and other resources. Forestry education, career opportunities, licensing and ethics. (CSU) (MJC NR Field trips are required.

DENDROLOGY FORES 10: 3 Units

2 hours Lecture: Laboratory: 3 hours

Silvicultural and botanical characteristics, identification, classification, range, and uses of native forest species of the United States; emphasis on plants of economic importance to forest practices in California and the western United States. (UC/CSU) (MJC NR 376) Field trips are required.

FORESTRY TECHNOLOGY

See Page 33 for Certificate Requirements

FORTC 153: FOREST SURVEYING 3 Units **TECHNIQUES**

Lecture: 2 hours Laboratory: 3 hours

FORESTRY TECHNOLOGY/GEOGRAPHY

Use of basic forest surveying instruments. Application of hand and staff compass, topographic and engineer's chain, clinometer, abney, dumpy and auto level, E-Z arc slope reducer, redy mapper, plane table and alidade, engineer's transit, theodolite, electronic theodolite, electronic distance meter and total station. Field recording techniques, laboratory computations and map drafting. Field trips are required.

FORTC 162: APPLIED FOREST INVENTORY 2 Units **AND MANAGEMENT**

1 hour Lecture: Laboratory: 3 hours

Techniques of forest inventory including cruising, scaling, and evaluation; field tabulation and computation methods; location and inventory of a given forest property in the field including property corners and boundaries; inventory of timber and other natural resource uses of property. Field trips are required.

GEOGRAPHY

GEOGR 12: CULTURAL GEOGRAPHY 3 Units

(CAN GEOG 4)

3 hours Lecture:

The study of humankind's relationship with the environment. The techniques and resources of cultural and physical geography, anthropology, environmental science, history, political science and sociology will be emphasized. (UC/CSU) (MJC GEOG 102)

GEOGR 15: PHYSICAL GEOGRAPHY 3 Units

(CAN GEOG 2)

Lecture: 3 hours

An introduction to selected aspects of the earth's physical environment (landforms, weather, climate, soils, and vegetation) and the processes and conditions giving rise to their worldwide distribution. The study of the earth as the home of man. (UC/CSU) (MJC GEOG 101)

GEOGR 18: WORLD REGIONAL 3 Units **GEOGRAPHY**

Lecture: 3 hours

Introduction to the regional geography of the world. A regional study of the people, countries, land forms, climate, religions, languages, political and economic systems, and natural resources of the world. (UC/CSU) (MIC GEOG 110)

GEOGR 58: GIS-ArcVIEW*

1 Unit

Lecture: 1 hour

Introduction to practical application of ArcView software: importation of GIS data, display, visualization, exploration. query, analysis, and production of hard-copy maps and reports. Students will be guided through a complete sequence of application fundamentals similar to what would normally be used in displaying, analyzing, and plotting a standard ArcView GIS application. (CSU) Offered for Credit/No Credit grading only.

*Credit may be earned for either Geogr 58 or Cmpsc 58, but not both.

GEOGR 59: GEOGRAPHIC 1-3 Units **INFORMATION AND GLOBAL POSITIONING SYSTEMS***

Lecture: 1 - 3 hours

Introduction to basic GIS and GPS concepts and applications in the field of natural resources, earth sciences, and environmental systems. Students will learn to use Global Positioning System base stations and rover units, combined with Geographic Information System software to collect field data and produce maps for spatial analysis and decision-making purposes. The first six weeks will be spent learning ArcView software; the second six weeks will be spent learning to use Ashtech GPS units; and the last six weeks will be spent learning to design and carry out a research project merging GPS and GIS technologies. (CSU) May be repeated with different topics only.

*Credit may be earned for either Geogr 59 or Cmpsc 59, but not both.

GEOGR 60: INTRODUCTION TO GIS -3 Units ArcView*

Lecture: 3 hours

Introduction to basic GIS concepts which can support the various GIS software programs currently available. Students will be introduced to the ArcView software package as the main vehicle for learning GIS. GIS coverages and maps will be produced from several different data sources. Emphasis will be placed on planning the design of GIS coverages which will permit specific types of queries. (CSU) (MIC GEOG 109)

*Credit may be earned for either Geogr 60 or Cmpsc 60, but not both.

GEOGR 65: GIS APPLICATIONS* 3 Units

Recommended for Success: Geogr 60

3 hours Lecture:

Introduction to practical applications of GIS software, heads-up digitizing, conversion of data, building annotation coverages. Students will gain hands-on experience working on specific projects under supervision. Assignments will include compiling and submitting project reports. (CSU)

May be repeated two times.

*Credit may be earned for either Geogr 65 or Cmpsc 65, but not both.

BASED GIS SYSTEMS*

3 hours Lecture:

The course will introduce students to the Geographic Resources Analysis Support System (GRASS), a powerful, UNIX-based public domain raster cis system developed by the US Corps of Engineers. Fundamental cis concepts will be discussed. Various functions of raster-based GIS systems will be demonstrated and contrasted to vector-based systems such as Arc-View. Students should have some familiarity with maps, UNIX, statistics and algebra. (CSU) May be repeated two times.

*Credit may be earned for either Geogr 70 or Cmpsc 70, but not both.

GEOGR 75: GIS APPLICATIONS IN 3 Units **RESOURCE MANAGEMENT***

Recommended for Success: Geogr 70

3 hours

Application of GIS to resource management issues such as watershed analysis, ecosystem analysis, recreation planning, and fire planning. Emphasis on remote sensing data and image processing to derive cis data. (CSU) May be repeated two times.

*Credit may be earned for either Geogr 75 or Cmpsc 75, but not both.

GUIDANCE

CAREER/LIFE PLANNING 3 Units **GUIDE 1:**

Recommended for Success: Engl 151

3 hours

Designed to help students formulate and experience an organized and realistic approach to career planning. Development of awareness and objectivity in the areas of interests, skills, values, aptitudes, etc. Introduction to sources of occupational information, and occupational trends. Introduction to decision-making, career information, career trends and social influences on career-life planning. May include administration of standardized interest and personality inventories. (CSU)

GUIDE 10A: INTRODUCTION TO 1.5 Units **HELPING SKILLS**

1.5 hours Lecture:

An introduction to the skills basic to a helping relationship. Includes instruction in the concepts and principles, as well as experience in the use of specific skills. Designed for non-professional and para-professional helpers such as peer tutors, peer counselors, advisors, managers, supervi-

Offered for Credit/No Credit grading only.

GEOGR 70: INTRODUCTION TO RASTER- 3 Units | GUIDE 10B: INTERMEDIATE HELPING 1.5 Units AND BASIC CONFLICT **MANAGEMENT SKILLS**

Prerequisite: Guide 10A or equivalent

1.5 hours

Continued instruction in concepts, principles and skills basic to a helping relationship. Experience in the specific use of each skill. Includes an emphasis on both helping skills and introduction to the skills unique to the process of conflict management. Designed for non-professional and para-professional helpers, especially in informal settings, including, but not limited to: friend-friend, parent-child, teacher-student, supervisor-employee, worker-client, and peer counseling situations. (CSU) Offered for Credit/No Credit grading only.

GUIDE 25: JOB SEARCH AND 1 Unit **INTERVIEWING STRATEGIES***

1 hour Lecture:

Understanding the employment process and development of written and oral presentation skills necessary to conduct an efficient and effective job search. Topics include: the hiring process, employer perspectives, the hidden job market, networking, research, job search planning, making employer contacts and interviewing. Development of a master application, resume and letter of application. (CSU) (MJC GUIDE 112)

Offered for Credit/No Credit grading only.

* Credit may be earned for either Busad 25 or Guide 25, but not both

GUIDE 100: COLLEGE SURVIVAL 3 Units

Lecture: 3 hours

This course is designed to familiarize the student with college procedures and personnel, community resources, and study techniques that can assist the student in successfully achieving an educational goal. It is recommended for reentry students, probationary students, and students whose educational goals will be completed at Columbia College.

GUIDE 101: OCCUPATIONAL 1 Unit **EXPLORATION**

1 hour Lecture:

This class is an introduction to occupational exploration and career choice. Emphasis will be on linking personal information (interests, values and abilities) obtained through career assessment, with information about occupations, researched by using Career Center and online resources. Career choices will be clarified and corresponding and appropriate educational goals will be selected. Students will receive instruction in goal setting, decision making and problem solving as they relate to the development and fulfillment of educational and career plans.

(MIC GUIDE 111)

Offered for Credit/No Credit grading only.

GUIDE 107: ORIENTATION TO COLLEGE .5-1 Unit | H-HP 4:

GUIDANCE/HEALTH & HUMAN PERFORMANCE

.5-1 hour Lecture:

A course designed to prepare the student to meet the demands of college rigor. Especially beneficial to new students to Columbia College and students returning to college after a long absence, this course addresses policies and practices at Columbia College, Topics covered include academic renewal, grading policy, advanced placement credit, academic and progress probation and dismissal. educational planning, requirements for the associate degree, certificates of achievement and transfer to the four year university, and other topics related to the use of the programs and services at Columbia College. Such topics include financial aid, tutoring, counseling, special services for students with disabilities, career planning and job placement. (MJC GUIDE 110) Offered for Credit/No Credit grading only.

GUIDE 110: HOW TO TRANSFER .5 Unit SUCCESSFULLY

Lecture: .5 hour

Introduction to the resources and planning process needed for a seamless transition from a community college to another institution of higher education. Recommended for students planning to transfer to either a public or private four-year college or university or another two-year college.

Offered for Credit/No Credit grading only.

GUIDE 115: PRINCIPLES OF LEADERSHIP 1 Unit

Lecture: 1 hour

Designed to assist students in gaining basic knowledge of leadership skills, to develop skills in principles and administration of parliamentary law; the co-curricular activity program; finances, including budgetary procedure; and group dynamics. (MIC SOCSC 58) Offered for Credit/No Credit grading only.

HEALTH & HUMAN PERFORMANCE

COLUMBIA COLLEGE HEALTH AND HUMAN PERFOR-MANCE ACTIVITY COURSES RECEIVE EQUIVALENT CREDIT AT MJC FOR PHYSICAL EDUCATION.

H-HP 3: **INTRODUCTION TO** 3 Units **KINESIOLOGY**

Prerequisite: Biol 10 or equivalent

3 hours Lecture:

This course will provide the student with understanding of normal human movement with an introduction to common movement deviations as a result of pathological processes. (UC/CSU)

CARE AND PREVENTION OF 3 Units ATHLETIC INJURIES

Recommended for Success: Biol 10

Lecture: 2.5 hours Laboratory: 1.5 hours

This course will provide the student with an introduction to the basic theories of prevention, assessment, care, and rehabilitation of athletic injuries. (UC/CSU) (MJC PE 108) May be repeated one time.

H-HP 5: **INTRODUCTION TO** 3 Units **RECREATION AND LEISURE***

Lecture: 3 hours

This course provides students a detailed overview of the history, developments, and current trends in leisure and recreation studies. It reflects recent social change and challenges facing recreation industries in the 21st Century including: population shifts, technology and marketing. It also addresses the history of the parks movement and tourism/sport segments. This course is of interest to students of Hospitality and Human Performance (Recreation related subjects). (CSU)

*Credit may be earned for either H-HP 5 or HPMGT 10, but not both.

H-HP 6A: LIFETIME FITNESS 1-3 Units PROGRAM I

Lecture: .5-1.5 hours Laboratory: 1.5-4.5 hours

Introduction to the fundamental principles and practices of scientific exercise conditioning, nutritional requirements, weight control techniques, coronary heart disease concepts, and considerations of preventive medicine. Basic exercise routine involves the circuit training system. (UC*/ CSU) (*Transfer credit limited. See a counselor.)

H-HP 6B: LIFETIME FITNESS .5-2 Units **PROGRAM II**

Prerequisite: H-HP 6A or equivalent

Laboratory: 1.5-6 hours

A continuation of the exercise principles and practices employing the circuit training system presented in Lifetime Fitness Program I with emphasis on improving fitness component levels, compliance, motivation, and increased awareness of sound nutritional practices. (UC*/CSU) (*Transfer credit limited. See a counselor.) May be repeated two times.

H-HP 7A: **APPLIED FITNESS I** .5-2 Units

Lecture: .5 hours

Laboratory: 1.5-6 hours

This course is designed to develop and encourage positive attitude and habits with regard to cardiovascular efficiency, body composition, muscular strength and endurance and flexibility through physical activity. May be repeated one time.



H-HP 7B: APPLIED FITNESS II

Prerequisite: H-HP 7A Lecture: .5 hour Laboratory: 1.5-6 hours

This course is designed to improve the positive attitude and habits and increase the frequency and time commitments with regard to cardiovascular efficiency, body composition, muscular strength and endurance and flexibility through physical activity. May be repeated one time.

H-HP 8: **AEROBIC EXERCISE** .5-1.5 Units

Laboratory: 1.5-4.5 hours

Designed to promote cardiovascular conditioning, muscular strength and endurance, and flexibility with emphasis on the fundamental principles of exercise as a component of health. (UC*/CSU) (*Transfer credit limited. See a counselor.)

May be repeated three times.

Activity: 1.5-6 hours

H-HP 9:

A comprehensive workout to achieve personal fitness goals through the use of cardiovascular and strength training systems. (UC*/CSU) (*Transfer credit limited. See a counselor.)

CIRCUIT CROSS-TRAINING .5-2 Units

May be repeated three times.

ADAPTIVE PHYSICAL .5-2 Units H-HP 10: **EDUCATION**

1.5-6.5 hours Activity:

Designed to offer individually prescribed fitness direction to the physically limited with emphasis on the improvements of cardiovascular, flexibility, and strength components, (UC*/CSU) (*Transfer credit limited. See a counselor.) May be repeated three times.

H-HP 11: **PULMONARY** 1 Unit **REHABILITATION**

.5-1 hour Lecture: 2-4 hours Laboratory:

Involves the education, evaluation, care, treatment, and management of breathing difficulties. Designed to help individuals with chronic lung disease such as asthma, emphysema, bronchitis, bronchiectasis, or other respiratory problems. Primary physician referral required. (CSU) May be repeated three times.

H-HP 13A: INTRODUCTION TO CARDIAC 1 Unit **REHABILITATION PROGRAM**

.5-1 hour Lecture: Laboratory: 1.5-6 hours

May be repeated one time.

A secondary prevention program designed for patients with angina pectoris, healed myocardial infarctions, or post-cardiac surgical referrals whose functional capacity is relatively uncompromised. Primary physician referral required. (CSU)

.5-2 Units | H-HP 13B: CARDIAC REHABILITATION 1 Unit PROGRAM: Phase III

Laboratory: 3-6 hours

Continuation of Cardiac Rehabilitation Program without lecture series. Primary physician referral required. (CSU) May be repeated one time.

H-HP 15A: INTRODUCTION TO CARDIAC 1 Unit **FAMILY FITNESS**

Lecture: .5-1 hour 1.5-6 hours Laboratory:

Designed to introduce the cardiac student's family to cardiovascular fitness principles and practices and to share in the modification of risk factors found necessary for the full rehabilitation of the cardiac student. Must be a member of enrolled cardiac student's family. (CSU) May be repeated one time.

H-HP 15B: CARDIAC FAMILY FITNESS 1 Unit

Laboratory: 3-6 hours

A continuation of H-HP 15A with emphasis on developing a higher level of cardiovascular functional capacity and reducing the risk factors associated with coronary artery disease. Must be a member of enrolled cardiac student's family. (CSU)

May be repeated one time.

STABILITY BALL H-HP 17: .5-2 Units TRAINING FOR FITNESS

Activity: 1.5-6 hours

This class is designed to acquaint students with non-traditional physical activities as a means to achieve personal fitness goals. Coursework will focus on the development/ improvement of muscular strength and endurance, cardio respiratory fitness and flexibility by using the stability ball. May be repeated three times.

H-HP 18A: YOGA I FOR BETTER .5-2 Units HEALTH

.5 hour Lecture: 1.5-6 hours Activity:

This is a beginning Yoga class using postures, breathing and relaxation techniques to increase flexibility, strength, balance and coordination. (UC*/CSU) (*Transfer credit limited. See a counselor.) May be repeated three times.

H-HP 18B: YOGA II FOR .5-2 Units **BETTER HEALTH**

Recommended for Success: H-HP18A

.5 hour Lecture: 1.5-6 hours Laboratory:

Intermediate yoga practice using more advanced postures, breathing, and relaxation techniques to further increase flexibility, strength, balance and coordination. May be repeated three times.

H-HP 20: **DANCE SURVEY**

HEALTH & HUMAN PERFORMANCE

Lecture: 3 hours Laboratory: 2 hours

Dance Survey is an introduction to world dance and its development as an art form through religious, social, and political contexts. Investigation of cultural traditions, styles, values, and aesthetics will be supported by participatory technique sessions exploring the fundamentals of dance movement, including ballet, jazz, contemporary, and folk. (UC/CSU)

H-HP 23A: CONTEMPORARY .5-1.5 Units **DANCE I**

Activity: 1.5-4.5 hours

Introduction to contemporary dance technique; designed to acquaint the student with the fundamentals of dance and creative movement exploration while developing strength, flexibility, and expressiveness. (UC*/CSU) (*Transfer credit limited. See a counselor.) May be repeated one time.

H-HP 23B: CONTEMPORARY .5-1.5 Units **DANCE II**

Prerequisite: H-HP 23A or equivalent

Activity: 1.5-4.5 hours

Contemporary dance technique at the intermediate level with emphasis on developing artistic competence, performance skills, and basic choreographic concepts. (UC*/ CSU) (*Transfer credit limited. See a counselor.) May be repeated one time.

H-HP 25A: JAZZ DANCE I .5-1.5 Units

Activity: 1.5-4.5 hours

Introduction to the fundamentals of jazz dance; designed to acquaint the student with basic technique in a cultural and historical context while developing strength, flexibility, and stylistic awareness. (UC*/CSU) (*Transfer credit limited. See a counselor.) May be repeated one time.

H-HP 25B: JAZZ DANCE II .5-1.5 Units

Prerequisite: H-HP 25A or equivalent

Activity: 1.5-4.5 hours

Continuing work in jazz dance with emphasis on developing stylistic elements and performance techniques. Specific attention given to learning extended movement combinations and compositional forms indigenous to American iazz. (UC*/CSU) (*Transfer credit limited. See a counselor.) May be repeated one time.

H-HP 27: CHOREOGRAPHY 3 Units

Lecture: 2 hours Activity: 3 hours

A comprehensive exploration of choreography fundamentals through a sequential progression of movement experiences designed to develop the creative potential and provide a fuller understanding of the creative process. (UC/CSU)

May be repeated three times.

3.5 Units | H-HP 28: **DANCE PRODUCTION**

2 Units

Recommended for Success: H-HP 23A or H-HP 25A or H-HP 27, or previous dance training

Activity: 6 hours

Dance production for public performance; theory and practice in choreography, performance styles, and dance rehearsal combined with theatrical structure and technical staging designed for concert presentation. (UC*/CSU) (*Transfer credit limited. See a counselor.) May be repeated three times.

H-HP 32: **BASKETBALL:** .5-1.5 Units Men's Rules

Activity: 1.5-4.5 hours

Instruction, practice, and participation in game play. Emphasis on rules, individual and team skills, and team strategy. (UC*/CSU) (*Transfer credit limited. See a counselor.) May be repeated three times.

H-HP 34: **BASKETBALL:** 2 Units **Advanced Theory and Practice**

Lecture: 1 hour Activity: 3 hours

Advanced concepts, strategy, and practice necessary in the playing and understanding of collegiate basketball. (UC*/ CSU) (*Transfer credit limited. See a counselor.) May be repeated three times.

H-HP 35: **VOLLEYBALL:** .5-2 Units **Advanced Theory and Practice**

Lecture: .5-1 hour Activity: 1.5-2 hours

Advanced concepts, strategy, and practice necessary in the playing and understanding of collegiate volleyball. (UC*/ CSU) (*Transfer credit limited. See a counselor.) May be repeated three times.

H-HP 38A: GOLF I .5-1.5 Units

Activity: 1.5-4.5 hours

Instruction and practice in fundamentals. (UC*/CSU) (*Transfer credit limited. See a counselor.)

H-HP 38B: GOLF II .5-1.5 Units

Prerequisite: H-HP 38A or equivalent

Activity: 1.5-4.5 hours

Instruction and practice in skills, rules and strategy. (UC*/ CSU) (*Transfer credit limited. See a counselor.) May be repeated two times.

H-HP 39: INTRAMURAL ATHLETICS .5-1.5 Units

Activity: 1.5-4.5 hours

Organized competition for school championships in a variety of sports. Fall - Volleyball, Basketball, Table Tennis. Spring - Basketball, Table Tennis, Paddle Ball, Tennis, Golf, and a variety of other activities. (UC*/CSU) (*Transfer credit limited. See a counselor.)

May be repeated three times.

1 Unit

H-HP 40: **RACQUET SPORTS**

1.5-4.5 hours Activity:

An introductory level course with instruction and participation in badminton, paddle tennis, and tennis. Each activity is taught for six weeks and provides the student with instruction in basic skills, rules, and strategies of each of the above activities. (UC*/CSU) (*Transfer credit limited. See a counselor.)

May be repeated three times.

H-HP 41: FENCING: THE SPORT .5-1.5 Units AND MARTIAL ART

Activity: 1.5-4.5 hours

An introduction to the sport of fencing: modern swordplay for women and men. Instruction in the skills, techniques, physical and mental conditioning in preparation for fencing. Overview of strategy and tournament play, rules and officiating. Emphasis on life-long health and fitness, as well as fencing-specific recreation and competition. (UC*/ CSU) (*Transfer credit limited. See a counselor.) May be repeated three times.

FENCING II .5-2 Units H-HP 42:

Prerequisite: H-HP 41 1.5-6 hours Activity:

Acquaints students with intermediate and advanced foot and hand technique in fencing, strategies and tactics for fencing competition, psycho-physical preparation for competition, ritualized fitness and individual training regimes. Workouts may include coordination warm-up and flexibility exercises, specific advanced footwork combinations, advanced handwork drills, competitive "bouting scenarios" and practice competitions. (UC*/CSU) (*Transfer credit limited. See a counselor.) May be repeated three times.

INTRODUCTION TO SAILING 2 Units H-HP 43:

Prerequisite: Certified ability to swim fifty yards or tread water for 5 minutes, verified by WSI/Lifeguard

Lecture: 1 hour Activity: 3 hours

The course introduces the student to the fundamentals of sailing through dockside/classroom lectures and hands-on experience in sailboats. Points of sail, basic terminology, tacking, jibing, theory and safety are stressed. (UC*/CSU) (*Transfer credit limited. See a counselor.)

Field trips may be required. May be repeated three times.

CO-ED FLAG FOOTBALL .5-2 Units H-HP 45:

Activity: 1.5-6 hours

This course is designed to introduce the necessary skills and knowledge to participate in recreational flag football. Instruction of rules along with drills to improve the student's skill level.

May be repeated three times.

.5-1.5 Units | H-HP 46: **INDOOR SPORT** .5-1.5 Units **CLIMBING**

Laboratory: 1.5-4.5 hours

An introduction to rock cimbing using an indoor climbing wall. Instruction and practice in belaying, climbing technique, strength training, flexibility, and injury prevention. Includes discussion of gear, anchors, rappelling, and safety. May be repeated three times.

H-HP 47A: SOCCER I .5-1.5 Units

1.5-4.5 hours Activity:

Instruction, practice, and participation in game play. Emphasis on rules, individual skills, and strategy in the field. (UC*/CSU) (*Transfer credit limited. See a counselor.) May be repeated one time.

H-HP 47B: SOCCER II .5-1.5 Units

Prerequisite: H-HP 47A or equivalent Activity: 1.5-4.5 hours

Instruction and practice in the advanced aspects of soccer. Emphasis on individual positioning and strategy of the game. Includes set plays and advanced skill builders. (UC*/ CSU) (*Transfer credit limited. See a counselor.) May be repeated one time.

CO-ED SOFTBALL .5-1.5 Units H-HP 48:

Activity: 1.5-4.5 hours

Discussion and practical application of rules, strategy, fielding, throwing, base running, team offense and defense in the sport of softball. (UC*/CSU) (*Transfer credit limited. See a counselor.)

May be repeated three times.

H-HP 50A: TENNIS I .5-1.5 Units

Activity: 1.5-4.5 hours

Instruction and practice in fundamentals of Eastern grip tennis. Emphasis on development of sound ground strokes, serve, and volley. Includes rules, scoring, and game play in both singles and doubles tennis. (UC*/CSU) (*Transfer credit limited. See a counselor.) May be repeated one time.

H-HP 50B: TENNIS II .5-1.5 Units

Prerequisite: H-HP 50A or equivalent Activity: 1.5-4.5 hours

Instruction and practice in the advanced aspects of Eastern grip tennis. Emphasis on game play and development with individualized coaching and analysis for the more experienced player. Includes tactics and court coverage to encourage a more powerful game in both singles and doubles tennis. (UC*/CSU) (*Transfer credit limited. See a counselor.)

May be repeated one time.

H-HP 53A: VOLLEYBALL I .5-1.5 Units

1.5-4.5 hours Activity:

Basic techniques with emphasis on offensive and defensive tactics of team play. Rules and intra-class competition included. (UC*/CSU) (*Transfer credit limited. See a counselor.)

May be repeated one time.

H-HP 53B: VOLLEYBALL II

Prerequisite H-HP 53A or equivalent

1.5-4.5 hours Activity:

An intermediate level of skills and strategies for the experienced player; an introduction to power volleyball play. (UC*/CSU) (*Transfer credit limited, See a counselor.) May be repeated one time.

H-HP 56A: WEIGHT TRAINING I .5-1.5 Units

Activity: 1.5-4.5 hours

Instruction in use of weights and body building equipment with emphasis upon individual program development. (UC*/CSU) (*Transfer credit limited. See a counselor.) May be repeated one time.

H-HP 56B: WEIGHT TRAINING II .5-1.5 Units

Prerequisite H-HP 56A or equivalent

Activity: 1.5-4.5 hours

Designed to help individuals accomplish a fine state of physical fitness through the use of "overload" equipment and progressive resistance exercises. Each person shall, with the counseling of the instructor, analyze particular needs and establish a program that will help accomplish these goals. (UC*/CSU) (*Transfer credit limited. See a counselor.)

May be repeated one time.

H-HP 57: **BODY SCULPTING** .5-1.5 Units

1.5-4.5 hours Activity:

The active application of mechanical and anatomical principles designed to develop muscular strength and endurance using free weights, resistance bands, and toning exercises. (UC*/CSU) (*Transfer credit limited. See a counselor.)

May be repeated three times.

ULTIMATE FRISBEE I 1 Unit H-HP 58:

Activity: 3 hours

This course is designed to enhance the student's skills and abilities in ultimate Frisbee. Emphasis will be placed on cardiovascular and muscular fitness. This course is progressive; the intensity increases as the individual improves abilities. (UC*/CSU) (*Transfer credit limited. See a counselor.)

May be repeated three times.

H-HP 59A: BEGINNING TAI CHI 1 Unit

Activity: 3 hours

This is a beginning course in Tai Chi Chuan--Yang-style short form, 21 movements. Also included will be a history of Tai Chi and warm-up exercises. (UC*/CSU) (*Transfer credit limited. See a counselor.)

May be repeated one time.

.5-1.5 Units | H-HP 59B: ADVANCED TAI CHI

Prerequisite: H-HP 59A or equivalent

Activity: 3 hours

A continuation of Tai Chi Chuan Yang style form. Included will be a short review of Tai Chi history and basic principles of practice. The short form will be continued from movement 21 through movement 99, and will continue to completion of the long form with movement 150 if possible. Some demonstration of push hands techniques and long wooden sword form will be included. Students will be expected to lead the class in form demonstration and warm-up exercises. (UC*/CSU) (*Transfer credit limited. See a counselor.)

May be repeated one time.

HEALTH AND FITNESS H-HP 60: 3 Units **EDUCATION**

3 hours Lecture:

Personal and community health: an understanding of contemporary health issues and problems with an emphasis on personal fitness and adjustment. An informative material survey contributing to a person's mental, physical, and social well-being. (UC/CSU)

H-HP 62: SAFETY AND FIRST AID 2 Units **EDUCATION**

Lecture: 2 hours

Theory and skills involved in the immediate and temporary care given to the victims of accidents and sudden illnesses. Covers American Red Cross Standard First Aid with certificate available upon satisfactory completion of the course. (UC*/CSU) (*Transfer credit limited. See a coun-

May be repeated three times.

STRESS MANAGEMENT 3 Units H-HP 65:

3 hours Lecture:

Overview of the psychological, physiological, sociological and behavioral dynamics underlying the management of the human stress response. Also included are history of stress management, life-style choices, relaxation training (including biofeedback), and interpersonal communication techniques. (CSU)

1 Unit H-HP 82: VARSITY BASKETBALL (Men's Rules)

Co-requisite: Must be enrolled as a full-time student

Activity: 14 hours

Preparation and training for intercollegiate varsity basketball competition. Participation in contests with other colleges will be scheduled. (UC*/CSU) (*Transfer credit limited. See a counselor.)

Field trips will be required. May be repeated three times.

H-HP 86: VARSITY VOLLEYBALL (Women)

Co-requisite: Must be enrolled as a full-time student

Activity: 10 hours

Preparation and training for intercollegiate varsity volleyball competition. Participation in contests with other colleges will be scheduled. (UC*/CSU) (*Transfer credit

limited. See a counselor.) Field trips will be required. May be repeated three times.

HEALTH OCCUPATIONS

HL-OC 97: WORK EXPERIENCE IN 1-4 Units **HEALTH OCCUPATIONS**

Prerequisite: Must be enrolled in at least seven (7) units including Work Experience.

75 hours paid employment equals 1 unit of credit 60 hours unpaid employment equals 1 unit of credit Provides students an opportunity to experience supervised employment in Health Occupations. The student's employment must be related to educational or occupational goals. (CSU*) (*Transfer credit limited. See a counselor.) Offered for Credit/No Credit grading only.

May be repeated for no more than a total of 16 units of credit less any units earned in any other Work Experience course. For students interested in working full time one semester and attending classes one semester on an alternate basis, see Wkexp 96, page 129.

HISTORY

HIST 11: **HISTORY OF CALIFORNIA** 3 Units

3 hours Lecture:

Survey of California history from pre-Colombian period to the present. Emphasis will include the Indians, Spaniards, Mexicans, and Anglo-Americans. Considerable attention will be devoted to California's influential role in national and world events. (UC/CSU) (MJC HIST 129)

HIST 13: **WORLD CIVILIZATIONS:** 3 Units to 1650

(CAN HIST 14) (CAN HIST SEQ C = HIST 13 + HIST 14)

3 hours

Survey of the history of the world from the Neolithic period to the middle of the seventeenth century. The course will use a cross-cultural comparative approach as it analyzes the origins, achievements and decline of civilizations in Asia, Africa and the Americas, as well as the Middle East and Western Europe. Emphasis on the application of major theories of history to various stages of world development. The position of women in society will be highlighted. (UC/CSU) (MIC HIST 106)

2 Units | HIST 14: **WORLD CIVILIZATIONS:** 3 Units 1650 to Present

(CAN HIST 16)

(CAN HIST SEQ C = HIST 13 + HIST 14)

Lecture: 3 hours

Survey of world history from the middle of the seventeenth century to the present time. The theme of revolution will be illustrated by the Industrial Revolution, the democratic revolutions of the eighteenth century, and the Communist revolutions of the twentieth century. Contemporary problems in Asia, Africa, Central and South America will be placed in historical context. The contributions of women in history will be a special topic of study. (UC/CSU) (MJC HIST 107)

HIST 16: UNITED STATES: to 1877 3 Units

(CAN HIST 8)

(CAN HIST SEQ B = HIST 16 + HIST 17)

Lecture: 3 hours

Survey of the history of the United States from pre-European settlement to the end of Reconstruction. Important topics include: the Art and Science of History, pre-European civilizations, Colonization and Society, the War for Independence, Constitutional Development and Federalism, American Leadership, Westward Expansion, Industrialization and Economic Transformation, Urbanization, Sectional Conflicts and the Impending Crisis, Slavery and experiences of historically disadvantaged groups in the United States, relative to their geographic, economic, political, and social contexts. Political and historical developments particular to California and in relation to the federal government will be highlighted.

(Meets the California State requirement in American History.) (UC/CSU) (MJC HIST 101)

HIST 17: UNITED STATES: 1877 3 Units to Present

(CAN HIST 10) (CAN HIST SEQ B = HIST 16 + HIST 17)

Lecture: 3 hours

Survey of the history of the United States from the end of Reconstruction to the present era. Course includes examinations of Reconstruction, Western Conquest, Federalism, Industrialization and Post-Industrialization, Urbanization. Foreign Relations, Social Movements, Major Wars, the Great Depression, Major Political and Institutional Developments, and Globalization. This course will also examine U.S. citizens' rights and obligations, with special attention given to the experiences of historically disadvantaged groups in the U.S. Political and historical developments particular to California and in relation to the federal government will be highlighted. (UC/CSU) (MJC HIST 102) (With Polsc 10 meets the California State requirement in United States History, Constitution and American Ideals.)

HIST 20: AFRICAN-AMERICAN HISTORY

3 hours Lecture:

The history and development of African Americans and their contributions to American culture. Major topics include the African slave trade, slavery and the American Revolution, slave expansion, Civil War and Post-Emancipation America through the twentieth century. This course is designed to meet an ethnic studies requirement. (UC/

CSU) (MJC HIST 154)

HIST 21: WOMEN IN AMERICAN 3 Units **HISTORY**

Lecture: 3 hours

Review and evaluate the roles and contributions of American women from the colonial period to the present, viewed within the context of the total American experience. The diversity of experience according to class and ethnicity will be emphasized, including the roles and experiences of Native American, African American, European, Latina, and Asian women in American history. (UC/CSU) (MJC HIST 116)

THE MOTHER LODE **HIST 49:** 3 Units

Lecture:

3 hours

History and lore of the Gold Rush country with emphasis on the Central Sierra communities.(CSU)

HIST 55: THE AMERICAN FRONTIER 3 Units

Lecture: 3 hours

Study of successive frontier zones and hostile environments in reshaping imported customs and habits into uniquely American characteristics. Emphasis will be on the 19th century. (UC/CSU) (MJC HIST 128)

HOSPITALITY MANAGEMENT

See Pages 34-35 for Certificate Requirements

HPMGT 97: WORK EXPERIENCE IN 1-4 Units **HOSPITALITY MANAGEMENT**

Prerequisite: Must be enrolled in at least seven (7) units including Work Experience.

75 hours paid employment equals 1 unit of credit 60 hours unpaid employment equals 1 unit of credit Provides students an opportunity to experience supervised employment in Hospitality Management. The student's employment must be related to educational or occupational goals. (CSU*) (*Transfer credit limited. See a counselor.)

Offered for Credit/No Credit grading only. May be repeated for no more than a total of 16 units of credit less any units earned in any other Work Experience course. Two units of hotel work is required of hotel students. For students interested in working full time one semester and attending classes one semester on an alternate basis, see Wkexp 96, page 129.

HPMGT 102: INTRODUCTION TO 1.5 Units **HOSPITALITY CAREERS AND HUMAN RELATIONS**

1.5 hours Lecture:

Introduction to the hospitality industry (comprising lodging, food and beverage services, and tourism) with focus on its career opportunities. Human relations management in the hospitality industry. Individual goal-setting and career planning are emphasized.

HPMGT 104: HOSPITALITY LAWS AND 2 Units REGULATIONS

2 hours Lecture:

The study of legal issues relating to commercial food service and lodging operations—national, state and local in scope. Using both the case method and specific statutes, this class introduces students to general concepts including the types of law, the nature of agreements and the judicial system, as well as regulatory agencies and the particular laws they enforce in the hospitality field.

HPMGT 112: FRONT OFFICE 2 Units MANAGEMENT/HOTEL CATERING

2 hours Lecture:

Essential equipment, routines, and duties of the front desk clerk and relationship to other hotel departments; planning and preparation for private parties, dinners, meetings, and other special events that a hotel or restaurant may cater.

HPMGT 114: INTRO TO MAINTENANCE 1.5 Units AND HOUSEKEEPING

1.5 hours Lecture:

Provides essential technical information on equipment and its servicing to establish a preventive maintenance routine. Provides broad scope of the housekeeping position, stressing employee responsibilities, record-keeping and use of equipment and materials.

Food Services

HPMGT 120: SAFETY AND SANITATION 1 Unit

Lecture:

Sanitation and safety principles and practices for the food service professional. Provides ServSafe certification from the National Restaurant Association. (MJC CLART 311) May be repeated one time.

HPMGT 122: RESTAURANT MATH 1 Unit

Lecture: 1hour

This is an arithmetic course for restaurant personnel. Students will be learning and applying basic math skills: addition, subtraction, multiplication, division, fractions, and percentages. There will be use of hand-held calculators, gauges, scales and devices for measuring weights and volumes. Currency will be handled and time, distance, and temperature will be measured. There will be an emphasis on recognition and use of geometric shapes. May be repeated one time.





HPMGT 126: NUTRITION FOR CHEFS

Techniques of healthy cooking for the professional chef. The use of fresh ingredients, reduced fat and salt, particular cooking methods and tools plus shorter cooking times are brought together to provide satisfying dining with fewer calories, cholesterol and sodium while retaining more of food's nutritional value.

May be repeated one time.

HPMGT 128: KITCHEN MANAGEMENT 3 Units

3 hours

Development of skills used to manage a commercial kitchen. Students will write menus and develop recipes, establish portion sizes and recipe costs, then price the menu items. Purchasing foods and supplies: comparative pricing among vendors, ordering, receiving, rotating and storing goods; taking and extending inventories. Students will learn to base production plans on sales forecasts, staff the kitchen accordingly, establish policies, standards and procedures regarding production, staff issues, facility/equipment maintenance and kitchen cleanliness. Basic concepts from the Uniform System of Accounts for Restaurants relating to kitchen operations. May be repeated one time.

HPMGT 130: SURVEY OF COMMERCIAL 3-6 Units FOOD SERVICE OPERATIONS

Lecture:

1-2 hours 6-12 hours

Laboratory: A survey course which gives practical experience in operating a commercial food service operation. Production efficiency, marketing, Serv-Safe Sanitation guidelines, quality control, and production records are emphasized. May be repeated two times.

HPMGT 133A: INTRO TO COMMERCIAL 3 Units **FOOD PREPARATION**

Co-requisite: Hpmat 120 1.5 hours Lecture: Laboratory: 5 hours

This course is an initial culinary training for chefs. Topics covered include an introduction to safe, sanitary and efficient food production procedures, orientation and training on equipment, hand tools and foods, application of nutritional concepts. Food inventory management and traditional and computer-aided recipe writing/costing. Adopting to professional standards regarding uniforms, dependability, teamwork and quality performance will be emphasized.

HPMGT 133B: COMMERCIAL FOOD 4 Units **PREPARATION**

Prerequisite: Hpmgt 133A or equivalent

1.5 hours Lecture: Laboratory: 7.5 hours

Focus is on restaurant line cookery. Involves preparation of soups, salads, entrees, vegetables and starches. Menu cycle extends from family-style to classical cuisine, including buffets. Quality assurance, production efficiency and kitchen management are emphasized.

1 Unit | HPMGT 134: COMMERCIAL BAKING: 2.5 Units **Beginning**

Co-requisite: Hpmqt 120 and Hpmqt 122

Lecture: 1 hour 4.5 hours Laboratory:

This course covers tools, terms and functions in preparation of baked goods: yeast breads and pastries, cookies, cakes and specialty items. Field trips may be required.

HPMGT 135: COMMERCIAL BAKING: 2 Units Advanced

Prerequisite: Hpmgt 134 or equivalent

Lecture: 2 hours

Formulas used in commercial pastry shop, cake decoration, marzipan and chocolate work, paté à chou and specialty items. Student participation. Field trips may be required.

HPMGT 136: DINING ROOM SERVICE 2 Units AND MANAGEMENT I

Lecture: 1 hour Laboratory: 4 hours

Operation of the Cellar Restaurant dining room and related service support stations. How to hire, train, motivate, schedule and assign jobs to a wait staff. Cost control: labor and supplies. Quality assurance and productivity standards.

May be repeated one time.

HPMGT 140: CONTEMPORARY CUISINE 3.5 Units

Prerequisite: Hpmgt 133B or equivalent

1.5 hours Lecture: Laboratory: 6 hours

Contemporary cuisine with focus on the preparation of seasonal ingredients used to develop the menus at the City Hotel. Cooking techniques and theory pertaining to contemporary cuisine will be emphasized and the student will begin to prepare for working online cooking stations in pastry, pantry, sauté, and grill.

HPMGT 141: RESTAURANT DESSERTS 2 Units

Prerequisite: Hpmgt 134 or equivalent

1 hour Lecture: Laboratory: 3 hours

The production and presentation of classical and contemporary restaurant desserts. A practical study of the restaurant pastry chef's special vendors, equipment, supplies, foods, processes and techniques used to produce a wide variety of desserts.

May be repeated one time.

HPMGT 142: GARDE MANGER 1 Unit

Lecture: .5 hour Laboratory: 1.5 hours

Study of cold food preparation which includes vegetable and fruit carvings, appetizers, hors d'oeuvres, canapés, sauces, salads, forcemeats, patés, tray presentations, table setups, room setups, and food show competitions. Field trips may be required.

HPMGT 146: DINING ROOM SERVICE 2 Units AND MANAGEMENT II

Prerequisite: Hpmgt 136 or equivalent

Lecture: 1 hour Laboratory: 3 hours

Advanced service techniques, table settings and dining room etiquette using the City Hotel as a laboratory. Emphasis is on elegance and showmanship, developing the fine points of service, understanding wine and food compatibilities, building sales, managing the dining room with reservation systems, proper staffing and hosting. Field trips may be required.

HPMGT 147: BEVERAGE MANAGEMENT 2 Units

Lecture: 1.5 hours 1.5 hours Laboratory:

Study of all aspects of beverage management including federal, state and local regulations, mixology, background and future of the beverage industry. Students under 21 will do special assignments rather than labs. Field trips may be required.

HPMGT 148: INTRODUCTION TO WINES 2 Units

Lecture: 2 hours

Study of wines from around the world with an emphasis on California. History and development of the wine industry, viticulture, wine making techniques, restaurant sales, and restaurant service. Wine evaluation, marketing, and wine's relationship to food and menus will be covered. Field trips may be required.

HPMGT 152: RESTAURANT PLANNING 3 Units

Lecture: 3 hours

Using a restaurant as a vehicle for attaining personal and professional goals. Conceiving, designing, staffing, equipping, stocking, marketing and opening the restaurant. Developing systems, policies and procedures for daily operations as well as relationships with professional service providers, vendors, lenders and regulatory agencies. This is an advanced class. Many topics will have been addressed and skills developed in earlier courses. This class unifies that knowledge and skill in the formation of a comprehensive restaurant plan.

HPMGT 190: CULINARY ARTS 2 Units **INTERNSHIP**

Prerequisite: Hpmqt 140 or equivalent

1 hour Lecture:

75 hours of discipline-specific work Laboratory:

experience

Supervised field experience in Culinary or Pastry Arts study and research related to job training. Current develop-

ments in Culinary Arts. May be repeated two times.

Offered for Credit/No Credit grading only.

TOURISM (Recreation)

See Page 35 for Certificate Requirements.

HPMGT 10: INTRODUCTION TO 3 Units **RECREATION AND LEISURE***

3 hours Lecture:

This course provides students a detailed overview of the history, developments, and current trends in leisure and recreation studies. It reflects recent social change and challenges facing recreation industries in the 21st Century including: population shifts, technology and marketing. It also addresses the history of the parks movement and tourism/sport segments. This course is also of interest to students of Health and Human Performance (Recreationrelated subjects). (CSU)

*Credit may be earned for either H-HP 5 or Hpmqt 10, but not both.

HPMGT 20: INTRODUCTION TO LEISURE 3 Units TRAVEL AND TOURISM

Recommended for Success: Students should have experience with web navigation and e-mail usage.

Lecture: 3 hours

This course provides a survey of the scope and nature of leisure travel and tourism; its history, organization, problems, opportunities and future trends. Emphasis is placed on the interplay of consumer behavior, motivations and perceptions with the economic, environmental and social implications of tourism. Includes analysis of the links between the hotel, food, transportation, recreation and other tourism sectors. This course will be beneficial to the consumer of travel services as well as the travel/tourism professional. Students will need an e-mail account and access to the Internet. (CSU)

HPMGT 30: GEOGRAPHY OF TRAVEL 3 Units **AND TOURISM: WESTERN HEMISPHERE**

Lecture: 3 hours

This course focuses on the geographic and cultural characteristics of key travel "destinations" within the Western Hemisphere (N. America, S. America, The Caribbean, the Pacific Island Nations, and Antarctica). The three "Ps." (place, protocols, and promotion) will assist students in an understanding of why consumers choose certain destinations, how they are "positioned," the key entry requirements/ports of entry, and how best to prepare for visits/business with each host culture. This is a geography-oriented course and emphasizes location/map/ "identification." (CSU)



HPMGT 31: GEOGRAPHY OF TRAVEL AND TOURISM: EASTERN HEMISPHERE

Lecture:

3 hours

This course focuses on the geographic and cultural characteristics of key travel destinations within the Eastern Hemisphere (Europe, Central/S.E. Asia, China and Japan, the Indian subcontinent, and Africa). The three "P's" (place, protocols, and promotion of locational comparative advantages) will assist students with an understanding of why consumers choose certain destinations, and how they are positioned. This is a geography-I.D. oriented course (rather than sales) and will include: identification of maps/locations, key entry requirements/ports of entry and security, attractions, plus how best to prepare for the realities of travel in each region. Basic map-reading skills recommended for success.

HPMGT 162: INTRO. TO TOURISM 3 Units **MARKETING, SALES AND CUSTOMER SERVICE**

Lecture: 3 hours

This course will emphasize the sales and promotion of the services that the tourism/hospitality industries offer quests. The development of business through personal selling, media, advertising, and publicity are covered. Quality customer service will be addressed through the practice of responsive telephone manners and problemsolving techniques.

HPMGT 163: APPLIED MARKETING FOR 3 Units THE TRAVEL BUSINESS

Lecture: 3 hours

This course will offer the student interested in starting a small travel business the information necessary to select, design, and implement various promotional vehicles including: display advertising, direct mail and catalogs, internet web sites, point-of-purchase displays, bingo cards, rack cards/brochures, and call center services. Subjects to be addressed will also include: how to prepare material for printing, print standards/materials, and measuring effectiveness of the various channels of promotion. This course serves as a complement to the marketing, planning and sales/service components covered in Hpmgt 162. Basic experience with word-processing and desk-top computer publishing recommended for success.

HPMGT 164: TOURISM PLANNING 3 Units **AND IMPACTS**

3 hours Lecture:

This course provides an introduction to the relationship between tourism and "sustainable" development. Consideration is given to planning, implementation and management models within both international tourism and U.S. park "gateway" communities. It offers a special emphasis on the assessment of tourism impacts (economic, social, and environmental) in determining the costs/benefits of tourism. Mediation strategies will be addressed, as well as cases of successful "sustainable tourism" development.

3 Units | HPMGT 165: ECO-ADVENTURE/HERITAGE 3 Units TRAVEL BUSINESS DEVELOPMENT

3 hours Lecture:

This course will orient the student to current operational and management practices within the ecotourism, adventure tourism, and heritage tourism segments of the travel industry. Special emphasis will be placed on the challenges faced by small, start-up businesses (for-profit, non-profit, community-based, cooperative). Model sustainable tourism operational planning will be introduced through use of MS Word computer templates. Case studies of successful small and community-based tourism businesses (including craft sales) will enable students to model their own initiatives on globally recognized success stories. Previous or concurrent coursework in marketing and small business accounting are recommended for success. Field trips may be required.

HPMGT 166: TOUR PLANNING, DESIGN, 3 Units **PACKAGING**

3 hours Lecture:

This course prepares students for entry into the travel/ recreation business as a tour operator. Focus is on the "back of the house" support aspect of operations required to conceive, research, and successfully execute the tour product. Themeing, costing, itinerary design, liability matters, identifying both tour leaders and suppliers, scheduling, and target marketing will be considered. A basic tour package will be developed and accompanying brochure designed. Previous basic experience with word-processing, desk-top publishing, and internet are recommended for success. Field trips may be required.

HPMGT 167: TOUR GUIDING AND 3 Units **LEADERSHIP**

Lecture: 3 hours

This course prepares students for entry into the travel/ recreation business as either a Tour Guide/Interpretor. Tour Escort, or Tour Director. The focus here is on the "front of the house" aspect of operations required to conduct a tour successfully. Principles of good guiding and interpretation (including heritage, natural and outdoor adventure attractions) will be covered. Group leadership and problem solving, reporting, and customer service expectations will be discussed. Coursework or experience in public speaking and/or group recreation leadership is recommended for success. Field trips may be required.

HPMGT 168: DEVELOPING A HOSPITALITY/TOURISM/

RECREATION CAREER PATH AND PORTFOLIO

Lecture: 2 hours

This course prepares students to consider opportunities available in the "H.T.R. (Hospitality/Tourism/Recreation) Mega-Profession," and begin a career planning process. Emphasis is given to the development of an introductory job skills portfolio utilizing ten computer-generated template documents. Portfolios allow a more organized preparation for internship/job interviews and scholarship/ school applications. Students from all majors are welcome. Experience with word processing recommended for success.

HPMGT 169: CAPSTONE: TOURISM/ 2 Units **RECREATION CAREERS**

Lecture: 2 hours

This course will allow the career-track Tourism/Recreation student to comprehensively plan the next movements within this field of study. It serves as a complement to the Portfolio course (Hpmgt168). Activities include: industry speakers, field trips, student self-assessment of skills/competency base, polishing a resume, informational interviewing with area employers, and future options for training/ employment and 4-year college transfers. A final student project and several field trips are required. Taking Hpmgt 168 and previous Hospitality Management coursework are recommended for success.

HPMGT 180: PLANNING MEETINGS 1 Unit **AND EVENTS**

1 hour Lecture:

This course will introduce the student to the basic principles, procedures, and professional standards required in the practice of meeting, event, and convention planning today. Certification standards and career-track options will be covered, as well as such contemporary topics as: videoconferencing, catering for small groups and retreat workshops, planning for fund-raisers, themed-street/regional festivals/fairs, and trade shows. Previous experience with word-processing and internet use recommended.

HUMANITIES

HUMAN 1: OLD WORLD CULTURE 3 Units 3 hours

Lecture:

An introductory survey of influences on Western culture, historically structured from classical Greece to the Renaissance, presenting enduring works of art, drama, literature, music, and philosophy. (UC/CSU) (MJC HUMAN 105)

HUMAN 2: MODERN CULTURE 3 Units

Lecture: 3 hours

An introductory survey of humanistic culture, historically structured from the enlightenment to the present scene, presenting enduring works of art, drama, literature, music, and philosophy. (UC/CSU) (MJC HUMAN 106)

2 Units | HUMAN 3: WORLD CULTURE

Lecture:

3 hours A study of selected works of literature, art, music, film, religion, philosophy, theatre and other forms of expression, particularly emphasizing the non-Western world. The works will be studies in their historical and cultural contexts. Specific works will vary from time to time, depending upon the interests and needs of students and the instructor. (UC/CSU) (MJC HUMAN 110)

HUMAN 4: WORLD RELIGIONS AND 3 Units **SPIRITUALITY***

Lecture: 3 hours

Study of the development of religious consciousness, including the earliest belief systems in the world, the major "living religions" today, tribal religions, "new age" religion and spirituality, and an examination of the meaning of the religious experience. (UC/CSU) (MJC PHILO 115) Field trips may be required.

*Credit may be earned for either Human 4 or Philo 4, but not both.

INDEPENDENT STUDY

Independent Study courses are intended to give students an opportunity to independently research specialized areas not available as regular course offerings of the college. They are designed to meet specific student interests and may be made available in any subject matter area. Consult your advisor for specific procedures. (See page 25 for conditions, limitations.) These courses may transfer as electives or other credit as authorized by the transfer school. For UC, student is responsible for pre-authorization from UC department chair and Admissions Office.

INTERDISCIPLINARY STUDIES

INDIS 1: **UNITY OF HUMAN** 3 Units KNOWLEDGE

Lecture: 3 hours

The study of various modern "knowledge systems" (e.g., biology, history, physics, sociology, English, religion) with a focus on the fundamental modes humans use to arrive at knowledge within each system. Solutions to selected human problems (e.g., environmental degradation, war, world hunger) will be attempted using knowledge and methods from the various knowledge systems. (UC/CSU)

INDIS 10: INTRODUCTION TO 3 Units **EDUCATION: PRACTICUM IN TEACHING**

Recommended for Success: Engl 151

Lecture: 3 hours

Orientation to the teaching profession. Designed for prospective elementary, secondary, special or alternative education teachers, but open to all students. Classroom experience will include 15 weeks of 2 hours per week tutoring students in content area reading in area schools. Students will receive training for tutoring, share experiences, and receive support from faculty and peers. (UC/CSU) (MJC SOCSC 109)



3 Units

INTRODUCTION TO **INDIS 12: EDUCATION: INTERMEDIATE** FIELD EXPERIENCE

Recommended for Success: Engl 151 and Indis 10 3 hours

Orientation to the teaching profession. Designed for prospective elementary, secondary, special or alternative education teachers, but open to all students. Classroom experience will include 15 weeks of 2 hours per week of observation in area classrooms as a required part of preparation for teaching careers. Students will be guided by faculty and practicing teachers from area schools. Observations will be analyzed and discussed with attention to teaching styles and classroom management techniques. (CSU) (MJC SOCSC 110)

1 Unit **BASIC STRATEGIES TO** INDIS 14: **IMPROVE CONTENT AREA READING**

Recommended for Success: Engl 151

1 hour Lecture:

Laboratory: 1 hour

Strategies for improvement of student reading comprehension in a variety of content areas in K-12 schools. Includes both elementary and secondary attention to textbook reading in mathematics, science, social science and any classwork or course that requires non-fiction reading for information through print and/or electronic methods.

Offered for Credit/No Credit grading only.

ADVANCED STRATEGIES TO 1 Unit INDIS 15: **IMPROVE CONTENT AREA READING**

Recommended for Success: Indis 14

1 hour

Implementation of advanced strategies for improvement of student reading comprehension in a variety of content areas in K-12 schools. Includes both elementary and secondary attention to textbook reading in mathematics, science, social science and any classwork or course that requires non-fiction reading for information through print and/or electronic methods. Designed for currently employed K-12 teachers. Course experience will also include ten hours of supervision and guidance for tutors in K-12 content area reading in participant's classroom. (CSU) Offered for Credit/No Credit grading only.

3 Units | INDIS 178: BASIC SKILLS FOR 3 Units **OCCUPATIONAL SUCCESS**

3 hours Lecture:

This course is designed to develop reading, writing, thinking and problem solving skills as they apply to occupational settings. The format will include both individualized skill development and group activities as well as occupationally specific assignments. The course includes considerable computer and internet assignments that may take place in an online instructional environment or in a traditional classroom setting. Students signing up for an online section are encouraged to take CMPSC 101, How to Succeed As An Online Student, before enrolling. Concurrent enrollment in courses within a certificate program will significantly enhance learning in this class. May be repeated one time.

INDIS 210: INTRODUCTION TO 3 Units **TUTORING IN THE K-12 CLASSROOM**

3 hours

This course is an orientation to tutoring practices and procedures in the K-12 classroom. The course is designed for AmeriCorps members, but open to all students. Students will receive training for tutoring, share experiences, and receive support from faculty and peers. Emphasis will be given to content literacy strategies. Offered for Credit/No Credit grading only.

IOURNALISM

INTRODUCTION TO 3 Units IRNAL 1: **JOURNALISM**

(CAN JOUR 2)

Lecture: 2 hours Laboratory: 3 hours

This course will cover the basic techniques of newspaper writing and reporting, including the theory and practice of hard news, features, profiles, columns, interviewing. (CSU) (MIC IRNAL 100)

IRNAL 10: NEWSPAPER PRODUCTION 1-2 Units

Laboratory: 3-6 hours

Production of the campus newspaper, including writing, editing, advertising sales and layout, page design and paste-up preparation for printing. (CSU) (MJC JRNAL 120A AND 120B)

May be repeated three times.

LIBRARY

INTRODUCTION TO LIBRARY 1 Unit LIBR 1: & INFORMATION RESOURCES

Recommended for Success: Cmpsc 10 or familiarity with using Internet browsers

Lecture: 1 hour

LIBRARY/MATHEMATICS

This course is an introduction to the use of electronic and print resources, including developing effective search strategies and evaluating information sources. Emphasis is on library online catalogs, online periodical database, print and electronic reference sources, and Internet resources. (UC/CSU)

Offered for Credit/No Credit grading only.

MATHEMATICS

ELEMENTS OF STATISTICS 3 Units MATH 2:

(CAN STAT 2)

Prerequisite: Math 104, or placement through the assessment process, or equivalent

Lecture: 4 hours or

Lecture: 3 hours Laboratory: 2 hours

Statistical concepts of probability, analysis and significance of measurements, measures of central tendency, correlation, variation, distributions, and reliability and validity of tests.(UC/CSU) (MJC MATH 134)

MATH 4A: MATHEMATICS FOR 4 Units **ELEMENTARY TEACHERS I**

(CAN MATH 4)

Prerequisite: Math 104, or placement through the assessment process, or equivalent

4 hours

Structure of arithmetic for prospective elementary school teachers. The definitions, operations, and properties of sets, counting numbers, integers, rational and irrational numbers; numeration systems; number theory, logic. (UC*/CSU) (*Transfer credit limited. See a counselor.) (MIC MATH 105)

Field trips may be required.

MATH 4B: MATHEMATICS FOR 4 Units **ELEMENTARY TEACHERS II**

Prerequisite: Math 4A or equivalent

Recommended for Success: High School Geometry

Lecture: 4 hours

Elementary probability, statistics and geometry for prospective elementary school teachers. Includes Euclidean geometry, measurement, and analytic geometry. (UC*/ CSU) (*Transfer credit limited, See a counselor,) (MIC MATH 106)

Field trips may be required.

MATH 6: **MATHEMATICS FOR LIBERAL 3 Units ARTS STUDENTS**

(CAN MATH 2)

Math 104, or placement through the Prerequisite: assessment process, or equivalent

Lecture:

A survey of important mathematical ideas with insight into their historical development. Topics may include sets and logic, number theory, functions and graphs, geometric ideas, probability and statistics. (UC/CSU) (MJC MATH 101)

MATH 8: TRIGONOMETRY

(CAN MATH 8)

Math 104, or placement through the Prerequisite: assessment process, or equivalent

Lecture:

This course includes the study of trigonometric functions, their inverses and graphs, identities, solving trigonometric equations, solving right and oblique triangles, vectors, complex numbers and polar coordinates.(CSU) (MIC MATH 115)

MATH 10: COLLEGE ALGEBRA 3 Units

(CAN MATH 10)

Math 104, or placement through the Prerequisite: assessment process, or equivalent

Lecture: 3 hours

Extension of algebraic concepts; includes quadratic equations, inequalities, systems of equations, complex numbers, matrices, determinants, and polynomial, exponential, and logarithmic functions. (UC*/CSU) (*Transfer credit limited. See a counselor.) (MJC MATH 121)

MATH 12: FINITE MATHEMATICS 3 Units

(CAN MATH 12)

Prerequisite: Math 104, or placement through the assessment process, or equivalent

Lecture:

3 hours

Introduction to mathematical modeling, linear systems of equations and inequalities (linear programming) sets, combinatorics, probability, statistics, and the mathematics of finance. (UC/CSU) (MIC MATH 130)

MATH 16: PRECALCULUS

(CAN MATH 16)

Prereauisite: Math 8 or equivalent

5 hours

Topics from Algebra, Trigonometry, and Analytic Geometry are studied in preparation for Calculus. Functions and their graphs will be particularly emphasized. (UC*/CSU) (*Transfer credit limited. See a counselor.) (MJC MATH 122)



3 Units

4 Units

2 Units

MATH 18A: CALCULUS I: DIFFERENTIAL 4 Units | MATH 104: ALGEBRA II: MODELING **CALCULUS**

(CAN MATH 18)

(CAN MATH SEQ B = MATH 18A + MATH 18B)

Prerequisite: Math 16, or Math 8 and Math 10 5 hours Lecture:

Numeric, graphic and algebraic exploration of the rate of change of a function, including trigonometric, exponential and logarithmic functions. Topics include families of functions, the concepts of limits, continuity, and the derivative, derivative formulas, implicit differentiation, applications of derivatives, Newton's method, and an introduction to concepts and applications of the definite integral. (UC/CSU) (MJC MATH 171)

MATH 18B: CALCULUS II: INTEGRAL 4 Units **CALCULUS**

(CAN MATH 20)

(CAN MATH SEQ B = MATH 18A + MATH 18B)

Prerequisite: Math 18A or equivalent

5 hours Lecture:

Evaluation and application of definite integrals. Topics include the fundamental theorem of calculus, techniques of integration, numerical methods, differential equations, Taylor series, areas defined by polar curves, and applications to geometry, physics, probability, and economics. (UC/CSU) (MIC MATH 172)

MATH 100A: ALGEBRA I: 3 Units **FUNDAMENTALS First Half**

Prerequisite: Math 202 or placement through the assessment process, or equivalent

3 hours Lecture:

This course is equivalent to the first half of Math 101, allowing the student more study time for the course topics. Completion of both Math 100A and Math 100B is equivalent to completion of Math 101. (MJC MATH 71)

MATH 100B: ALGEBRA I: 3 Units **FUNDAMENTALS Second Half**

Prerequisite: Math 100A or equivalent

3 hours

This course is equivalent to the second half of Math 101, allowing the student more study time for the course topics. Completion of both Math 100A and Math 100B is equivalent to completion of Math 101. (MJC MATH 72)

MATH 101: ALGEBRA I: 5 Units **FUNDAMENTALS**

Math 202 or placement through the Prerequisite: assessment process, or equivalent

Lecture: 5 hours

or

4.5 hours Lecture:

1.5 hours Laboratory:

Introduction to algebraic structure; techniques to simplify, evaluate, and solve algebraic problems; and applications of algebra in a variety of contexts. (MJC MATH 70)

5 Units

Math 100B, Math 101, or placement through Prerequisite:

the assessment process, or equivalent

Lecture: 5 hours

4.5 hours Lecture: 1.5 hours Laboratory:

or

A study of mathematical modeling with linear, absolute value, quadratic, exponential and logarithmic functions through verbal, numerical, algebraic and graphical representations. Other topics include systems of linear and nonlinear equations, linear and nonlinear inequalities and rational exponents. The use of graphing calculators is required. This course is prerequisite to undergraduate transfer general education mathematics courses. (MJC MATH 90)

MATH 201: MATH CONCEPTS: AN 3 Units **INTERACTIVE APPROACH**

4 hours Lecture:

Concept topics include patterns and symbolic representation, estimation, visual models for operations, fractions, decimals, percents, perimeter, area, volume, mean, mode, median, ratio, proportion, prime factoring, theoretical and empirical probabilities and student skills. This course is taught in a visual and computational way and is designed to help the student build a meaningful, internal, intuitive mathematical framework. It includes the "why" behind computation.

MATH 202: INTERACTIVE ALGEBRA 3 Units **PREPARATION**

Prerequsite: Math 201 or equivalent

Lecture: 4 hours

This course is designed for students who want to approach math from a "What's it for? And why does it work?" point of view. Students investigate and experience real mathematics relevant to their lives. Students will experiment, analyze data, develop conjectures, and ripen intuition and skills in order to broaden their picture of mathematics and prepare for algebra. As students examine the real world of applications, they will develop and enhance the math strands of problem solving, reasoning, communication, and making connections. Topics include analyzing data, exponents, estimation, order of operations, signed numbers, expressions, linear equation of the form ax+b=c, symmetry, tessellations, transformations, patterns, ratio, proportion, similarity, scaling, right triangle trigonometry (3 basic functions), probability, and linear functions to describe change.

MATH 210: TECHNIQUES FOR SMALL GROUP INSTRUCTION IN MATHEMATICS

Lecture: 1 hour

MATHEMATICS/MUSIC

This course is a review of K-8 mathematical concepts with an emphasis on the mathematical learning process; activities to promote student understanding of concepts; alternative approaches to computation algorithms; and mathematical questioning techniques. May be repeated three times.

Offered for Credit/No Credit grading only.

MUSIC

Repeat Limitations on Music Courses

The following limitations apply to all Music activity classes. Each activity is limited to a maximum of four enrollments, regardless of the skill level of the individual courses. For example, a student may enroll (a) in beginning piano four times or (b) twice in beginning piano and twice in intermediate piano. In either of these cases, the student cannot enroll in any additional piano courses because the maximum of four piano courses has been met.

MUSIC 1: **MUSIC FUNDAMENTALS** 3 Units

Lecture: 3 hours

Introduction to traditional musical notation, key signatures, scales, intervals and chords, sight singing and ear training. (UC*/CSU) (*Transfer credit limited. See a counselor.) (MJC MUSIC 100)

MUSIC 2: **INTRODUCTION TO MUSIC** 3 Units

3 hours Lecture:

Survey of the many fields within the discipline of music, including a brief overview of fundamentals, music history, the voice, musical instruments, the science of acoustics, rock, jazz, and current styles, psychology of music, and analytical listening. Attendance at selected local concerts is required. (UC/CSU)

MUSIC 4A: ELEMENTARY 2 Units MUSICIANSHIP

Lecture: 2 hours

Basic course for developing musical skills. Teaches sight singing, ear training, melodic dictation, and basic keyboard skills. (UC/CSU) May be repeated one time.

MUSIC 4B: ELEMENTARY 2 Units MUSICIANSHIP

Prerequisite: Music 4A or equivalent

Lecture: 2 hours

Continuation of Music 4A to develop skills in sight singing, melodic and rhythmic dictation, and aural analysis of harmonic materials, and basic keyboard skills. (UC/CSU) May be repeated one time.

1 Unit | MUSIC 5A: INTERMEDIATE MUSICIANSHIP

Prerequisite: Music 4B or equivalent

Lecture: 2 hours

Continuation of Music 4B, including development of individual proficiency in sight singing, dictation, aural and keyboard skills. (UC/CSU)

May be repeated one time.

MUSIC 5B: INTERMEDIATE 2 Units **MUSICIANSHIP**

Prerequisite: Music 5A or equivalent

Lecture: 2 hours

Continuation of Music 5A, including sight singing, melodic and rhythmic dictation, and aural analysis of harmonic materials and basic keyboard skills. (UC/CSU) May be repeated one time.

MUSIC 10: SURVEY OF MUSIC HISTORY 3 Units **AND LITERATURE: Ancient to 1750**

(CAN MUS 8)

3 hours

Lecture:

A survey of elements of style, major composers, and masterpieces of music from the Greek era through Medieval, Renaissance, Baroque, and Early Classic periods; survey from 1000 BC through 1750 AD Includes the music of Palestrina, Bach, and Handel. (UC/CSU) (MJC MUSIC 112)

MUSIC 11: SURVEY OF MUSIC HISTORY 3 Units **AND LITERATURE: 1750 to Present**

Lecture: 3 hours

A survey of elements of style, major composers, and masterpieces of music during the Classic, Romantic, and 20th Century periods from 1750 to the present. Includes music of Mozart, Beethoven, Wagner, Debussy, Schoenberg, and Copland. (UC/CSU) (MJC MUSIC 113)

MUSIC 12: SURVEY OF JAZZ AND 3 Units **POPULAR MUSIC**

Lecture: 3 hours

An introduction to jazz style and history and important trends in 20th century popular music. (UC/CSU)

MUSIC 20A: ELEMENTARY MUSIC 3 Units **THEORY**

Recommended for Success: Concurrent enrollment in Music

Lecture: 3 hours

Analysis of the essentials for understanding and writing music. Included are rhythm, scales, intervals, chords, notation, melody writing; study of diatonic 4 part harmony. figured bass, chord progressions, and harmonic motion. (UC*/CSU) (*Transfer credit limited. See a counselor.) May be repeated one time.

MUSIC 20B: ELEMENTARY MUSIC THEORY

Prerequisite: Music 20A or equivalent

Lecture: 3 hours

Continuing study in harmony and analysis. Included are secondary dominants, modulation, altered chords, nonharmonic notes, and extended chords. (UC*/CSU) (*Transfer credit limited. See a counselor.) May be repeated one time.

MUSIC 21A: INTERMEDIATE MUSIC 3 Units THEORY

Prerequisite: Music 20B or equivalent

3 hours Lecture:

A continuation of the study of the basic structural elements of music such as melody, rhythm, harmony and form with an emphasis on the organization of these elements; also includes a study of chromaticism, chromatic alterations, and complex tertian structures. (UC*/CSU) (*Transfer credit limited. See a counselor.) May be repeated one time.

MUSIC 21B: INTERMEDIATE MUSIC 3 Units **THEORY**

Prerequisite: Music 21A or equivalent

Lecture: 3 hours

Continued development of analytical and compositional techniques; study of modal and tonal counterpoint; introduction to Impressionism and to 20th century concepts of melody, harmony, and form. (UC*/CSU) (*Transfer credit limited. See a counselor.) May be repeated one time.

MUSIC 31A: ELEMENTARY PIANO 1.5 Units

Lecture: 1 hour

2 hours Activity: An introduction to the skill of piano playing based on music reading; fundamentals of rhythm, notation, and technique. Basic theory will include knowledge and application of musical terms, scales, key signatures, and chords. (UC/CSU)

1.5 Units MUSIC 31B: ELEMENTARY PIANO

Prerequisite: Music 31A or equivalent

1 hour Lecture:

2 hours Activity:

Continuation of the fundamentals of piano performance with emphasis given to the essentials of music reading. Theory will include the presentation of scales and keys, both major and minor, review and application of chords and inversions, and an introduction to improvisation. Piano literature will include both classical and popular compositions as well as exercises and technical studies. (UC/CSU)

1.5 Units 3 Units | MUSIC 36: ELEMENTARY VOICE

> 1 hour Lecture: 2 hours Activity:

Large group instruction in singing for those with little or no vocal solo training. Includes basic singing techniques and songs for improving pitch, building range, endurance, tone, and breath control. (UC/CSU) (MJC MUSIC 131)

MUSIC 37: ADVANCED ELEMENTARY 1.5 Units VOICE

1 hour Lecture: 2 hours Activity:

Large group instruction in singing for those with one semester of private or solo class voice. Includes reinforcement of basic singing techniques for building range, endurance, tone, and breath capacity as taught in Music 36. Music includes folk/traditional as well as English and Italian art song. (UC/CSU) (CC MUSIC 37 OR 38 = MJC MUSIC 132)

INTERMEDIATE VOICE 1.5 Units MUSIC 38:

1 hour Lecture:

2 hours Activity:

Individual and small group instruction in the refinement of vocal technique for people with two semesters of class voice. Includes continued development of tone, endurance, and flexibility with an emphasis on solo public performance with traditional and art song literature. (UC/ CSU) (CC MUSIC 37 OR 38 = MJC MUSIC 132)

1.5 Units MUSIC 39: ADVANCED INTERMEDIATE VOICE

1 hour Lecture: Activity: 2 hours

Individual and small group instruction in the development of vocal technique for people with three semesters of class voice. Includes continued development of expression and increased emphasis on public performance. (UC/CSU) (MJC MUSIC 133)

1.5 Units **MUSIC 41A: INTERMEDIATE PIANO**

Prerequisite: Music 31B or equivalent

1 hour Lecture:

2 hours Activity:

Continuation of the fundamentals of piano performance attained in Music 31A and 31B with more emphasis given to technique, phrasing, and dynamics as progressively difficult music is presented. Theory will include additional major and minor scales and keys, chords, and inversions including seventh chords, improvisation, and transposition. Piano literature will include both classical and popular compositions as well as exercises and technical studies. (UC/CSU)

MUSIC 41B: INTERMEDIATE PIANO

Prerequisite: Music 41A or equivalent

Lecture: 1 hour Activity: 2 hours

Continuation of the fundamentals of piano performance attained in Music 31A, 31B, and 41A with more emphasis given to the adaptation of various techniques regarding style, touch, dynamics, and phrasing as they apply to different periods of piano literature. Opportunity to accompany instrumentalists and vocalists is offered as well as the performance of two-piano works. Theory will include all key signatures, scales, embellishments, diminished and augmented chords, and study of the Baroque, Classical, Romantic, and Contemporary periods in Music. (UC/CSU)

MUSIC 49: BEGINNING GUITAR 1.5 Units

1 hour Lecture: Activity: 2 hours

Basic guitar techniques, open string chords, right hand string and finger-picking. Introduction to music reading, basic chords, simple song accompaniments and melodic playing in first position. Student must provide a tunable, nylon string acoustic guitar. (UC/CSU) (MJC MUSIC 163) May be repeated three times.

MUSIC 50: SERIES — APPLIED MUSIC

Lecture: 1 hour

Study of performance techniques, interpretation, and repertoire related to private music instruction. Designated for music majors and minors. (UC/CSU) May be repeated three times.

MUSIC 50 — APPLIED MUSIC: Guitar 1 Unit (MJC MUSIC 166)

MUSIC 51 — APPLIED MUSIC: Keyboard 1 Unit

MUSIC 52 — APPLIED MUSIC: 1 Unit Woodwinds

(MJC MUSIC 144)

MUSIC 53 — APPLIED MUSIC: Brass 1 Unit

- APPLIED MUSIC: Strings 1 Unit

MUSIC 55 — APPLIED MUSIC: Percussion 1 Unit

MUSIC 56 — APPLIED MUSIC: Voice 1 Unit (MJC MUSIC 134)

1 Unit MUSIC 60: CHOIR

Activity: 3-6 hours

Instruction and performance in vocal and choral techniques including group tone production, singing, parts, and reading music. Designed for singers with limited or no choir experience as well as intermediate. Repertoire includes selections of various styles. (UC/CSU) (MJC MUSIC

May be repeated three times.

1.5 Units | MUSIC 64: JAZZ CHOIR

1 Unit

Activity: 3-6 hours

Study and performance of vocal jazz and improvisation in an ensemble of limited size. Audition required. (UC/CSU) (MIC MUSIC 155)

May be repeated three times.

MUSIC 65: THEATRE PRODUCTION: 1 Unit **Music Emphasis**

Activity: 3-6 hours

Directed activities in theatre production for public performance with a concentration in vocal or instrumental music. Audition required. (UC/CSU) May be repeated three times.

MUSIC 66: COLUMBIA COLLEGE 1 Unit **COMMUNITY CHORUS**

Activity: 3-6 hours

Study and performance of mixed choral works of various styles and periods. Includes development of vocal technique and musicianship. Audition required. (UC/CSU) (MJC MUSIC 154)

May be repeated three times.

MUSIC 69: MADRIGAL ENSEMBLE 1 Unit

Activity: 3-6 hours

Study and performance of vocal chamber music with emphasis on the Renaissance and Contemporary periods. Audition required. (UC/CSU) (MJC MUSIC 153) May be repeated three times.

1 Unit **MUSIC 70: COLLEGE BAND**

Activity: 3-6 hours

Study and performance of band and instrumental ensemble literature of all styles. (UC/CSU) May be repeated three times.

MUSIC 72: JAZZ ENSEMBLE 1 Unit

Activity: 3-6 hours

Study and performance of instrumental jazz and improvisation; techniques of improvisation will be explored. Audition required. (UC/CSU) (MJC MUSIC 149) May be repeated three times.

1 Unit MUSIC 75: JAZZ STUDIES

Activity: 6-12 hours

Study and performance of instrumental and vocal jazz in both solo and ensemble (including big band, choir, combos, and solo with accompaniment). Includes beginning jazz theory, improvisation, style, interpretation, performance practice and the development of an individual standard jazz repertoire. Repertoire may vary from semester to semester. (UC/CSU)

Field trips may be required.

May be repeated three times.





MUSIC 76: COMMUNITY ORCHESTRA

Activity: 3-6 hours

Study and performance of orchestral literature of various styles and media. Audition required for wind, brass, and percussion players as needed.(UC/CSU) (MJC MUSIC 162) May be repeated three times.

1 Unit MUSIC 78: ENSEMBLE: Instrumental **Emphasis**

Activity:

Study and performance of music for small ensembles, duets, and chamber groups. Audition required.(UC/CSU) (MIC MUSIC 145)

May be repeated three times.

3-6 hours

NATURAL RESOURCES

See Page 36 for Certificate Requirements

3 Units **ENVIRONMENTAL** NATRE 1: **CONSERVATION**

3 hours Lecture:

Conservation of the biological and physical environment. History of the conservation movement. A case-study approach to land use practices of environmental conservation with current topics on endangered species, environmental pollution, wilderness management, energy, population, and the uniqueness of California and Alaska natural resources. (UC/CSU) (MIC ENSCI 108) Field trips may be required.

NATURAL RESOURCES LAW 3 Units NATRE 3: AND POLICY

Lecture: 3 hours

Introduction to principles and practice of environmental law in the United States; exposure to major legislation and significant cases, and discussion of their interrelationships. Topics include overview of development and limits of legislative and judicial approaches to solving environmental problems; environmental ethics; local action and historical role of activists in legislative change and enforcement. (UC/CSU)

NATRE 9: PARKS AND FORESTS LAW 2 Units **ENFORCEMENT**

Lecture: 2 hours

Knowledge and skills required in areas of constitutional, criminal, and civil law as related to law enforcement activities conducted by resource agencies. (CSU) Field trips may be required

1 Unit | NATRE 22: ECOLOGY AND USE OF FIRE 2 Units IN FOREST ECOSYSTEMS

1.5 hours Lecture: 1.5 hours Laboratory:

Introduction to the ecology of fire in the mixed coniferous forest and to the use of prescribed burning as a resource management tool. Selected topics include the effects of fire on vegetation, soils, hydrology, wildlife, air quality, and esthetics; forest fire behavior and the role of fire suppression; the history and current issues of prescribed burning; the planning and implementation of a prescribed burning program in selected locations. (CSU) Fields trips will be required.

NATRE 30: INTRODUCTION TO 3 Units WATERSHED MANAGEMENT

2 hours Lecture: Laboratory: 3 hours

Fundamentals of watershed protection, management, and monitoring with an emphasis on California and the Sierra. Applications of geology, soils, meteorology, hydrology, biology, chemistry, physics and engineering as they pertain to management of our land and water resources and watersheds. Field techniques of sampling and monitoring soil, water, air, vegetation, and other biota for beneficial uses of water. Application of integrated ecosystem approaches to natural resource protection management of watersheds. (CSU) Field trips will be required.

2 Units NATRE 50: NATURAL HISTORY AND **ECOLOGY**

Lecture: 2 hours

Natural history and ecology with emphasis on the interrelationships among plants, animals, soils, geology, and climate of California. Selected topics on plant succession, terrestrial and aquatic ecosystems, organism adaptation and diversity, evolution, California's physical/biological environment, California biomes, and Sierra Nevada life zones. (CSU) Field trips may be required

NATRE 95A: SERVICE LEARNING I IN 2 Units **NATURAL RESOURCES**

1 hour Lecture:

Laboratory: 3 hours Service Learning Experience I, when paired with course curriculum, is designed to create an opportunity to understand the relationship between academic study and community service through both practical applications and critical reflection. Volunteerism and Service Learning will be examined from theory to practice. This course is designed to meet specific student interests. Students will be required to participate in a Service Learning experience for a minimum of 54 hours and attend 18 hours of lecture. (CSU)

NATRE 95B: SERVICE LEARNING II IN 2 Units **NATURAL RESOURCES**

1 hour Lecture: Laboratory: 3 hours

Continues the Service Learning experience with a mentoring component in which Service Learning II students mentor Service Learning I students. (CSU)

NATURAL RESOURCES/NATURAL RESOURCES TECH/OFFICE TECHNOLOGY

May be repeated three times

NATRE 97: WORK EXPERIENCE IN 1-4 Units **FORESTRY AND NATURAL** RESOURCES

Must be enrolled in at least seven (7) units Prerequisite: including Work Experience.

75 hours paid employment equals 1 unit of credit 60 hours unpaid employment equals 1 unit of credit Provides students an opportunity to experience supervised employment in Forestry and Natural Resources. The student's employment must be related to educational or occupational goals. (CSU*) (*Transfer credit limited. See a counselor.)

Offered for Credit/No Credit grading only. May be repeated for no more than a total of 16 units of credit less any units earned in any other Work Experience course. For students interested in working full time one semester and attendina classes one semester on an alternate basis, see Wkexp 96, page 129.

NATURAL RESOURCES TECHNOLOGY

See Page 36 for Certificate Requirements

NARTC 155: INTERPRETIVE GUIDED TOURS

Lecture: 2 hours

Methods of meeting and serving diverse public groups in their social, cultural, and recreational use of wildland recreation sites.

Field trips will be required.

NARTC 160: AERIAL PHOTOGRAPHY 2 Units AND MAP INTERPRETATION

Lecture: 1 hour Laboratory: 3 hours

Use of basic photogrammetric instruments and equipment; techniques of delineating soil-vegetation and timber types and distinguishing physical features on aerial photographs; techniques of interpretation of planimetric, topographic, orthophoto-topographic, and geologic maps; principles of remote sensing. Field trips may be required.

NARTC 163: WATER FOR CONSUMPTION 3 Units

3 hours Lecture:

Study of present and future sources of community water supply with special attention to state standards for potable water; analysis, processing, treatment, quality control, storage, and distribution of community water. Offered for Credit/No Credit grading only. Meets Water Treatment Plant Operator state certification prerequisite for examination at Grade 2 level. Field trips may be required.

NARTC 181: CALIFORNIA WILDLIFE 4 Units

Lecture: 4 hours

Study of the field identification characteristics, habitat requirements, life history, management, and population dynamics of selected California mammals, birds, and fish; methods and problems of appraising and manipulating game mammals, furbearers, upland game, and fisheries to improve populations; techniques of habitat appraisal and manipulation to improve wildlife populations. (MJC NR 215) Field trips are required.

OFFICE TECHNOLOGY

See Page 37 for Certificate Requirements

OFTEC 5: **ELECTRONIC PRINTING** 1 Unit **CALCULATORS**

Laboratory: 3 hours (Self-paced)

Developing speed by touch on the 10 key pad. Practical instruction in the operations of an electronic calculator emphasizing business applications. (CSU)

OFTEC 20: MACHINE TRANSCRIPTION 2 Units

Recommended for Success: Oftec 130 or Engl 151,

and Oftec 40

Lecture: 1 hour

Laboratory: 3 hours (Self-paced)

Study and use of various transcribing machines, emphasizing the development of an employable skill in machine transcribing mailable business documents. (CSU) (MJC OFADM 328B)

OFTEC 40: BEGINNING WORD 2 Units **PROCESSING**

Recommended for Success: Oftec 100

Lecture: 2 hours

Students receive instruction in a current word processing program which includes editing, saving, changing format, fonts, tabs; using Spell Check; creating headers/footers and footnotes/endnotes; cutting and pasting; and using file management techniques. (CSU)

May be repeated one time.

Recommended for Success: Oftec 40

2 hours Lecture: Laboratory: 3 hours

Students receive instruction in intermediate word processing features which will be applied to creating business documents. Areas of emphasis will include text columns, macros, styles, math, merge, repetitive documents, sort and select, and graphics. (CSU) May be repeated one time.

OFTEC 42: DESKTOP PUBLISHING I* 3 Units

Recommended for Success: Oftec 41

Lecture: 2 hours Laboratory: 3 hours

This course is an introduction to general desktop publishing theory with emphasis on typography, page layout, graphics, and design. Students will create newsletters, brochures, flyers, resumes, cards, and reports. (CSU) May be repeated one time.

*Credit may be earned for either Oftec 42, Art 51, or Cmpsc 31, but only from one discipline.

OFTEC 43: DESKTOP PUBLISHING II* 3 Units

Prerequisite: Oftec 42 or equivalent

Lecture: 2 hours Laboratory: 3 hours

This course is a continuation of study in problems of Desktop Publishing. Areas of focused study will be in advanced problems of page layout, typography, digital image manipulation, and issues related to offset reproduction of graphic design. (CSU)

*Credit may be earned for either Oftec43, Art 52, or Cmpsc 32, but only from one discipline.

OFTEC 50: MEDICAL TERMINOLOGY

Lecture: 3 hours

An introduction to basic word structure including word roots, prefixes and suffixes used in medical vocabulary: also specialized vocabulary for the various anatomical systems used by allied health fields. (CSU) (MJC MDAST 321)

OFTEC 52: MEDICAL BILLING 3 Units & CODING

Prerequisite: Oftec 50 or equivalent

Lecture: 3 hours

A fundamental course in medical insurance billing and coding, Blue Cross and Blue Shield, Medicaid and Medi-Cal, Medicare, Champus and Workers' Compensation. (CSU)

OFTEC 53A: BEGINNING MEDICAL 2 Units **TRANSCRIPTION**

Recommended for Success: Oftec 50 Laboratory: 6 hours (Self-paced)

Transcription of authentic physician-dictated reports organized by body systems or medical specialties. Development of accuracy, speed, and medical knowledge for transcription of letters, chart notes, history and physicals, consultations, ER reports, operative reports, discharge summaries, and lab reports. (CSU)

OFTEC 53B: BEGINNING MEDICAL 2 Units TRANSCRIPTION

Prerequisite: Oftec 53A or equivalent Laboratory: 6 hours (Self-paced)

Continuation of Office Technology 53A. Transcription of medical reports in specialties of orthopedics, cardiology, pulmonary, OB/GYN, ENT, and neurology. (CSU)

OFTEC 54: RADIOLOGY TRANSCRIPTION 1 Unit

Recommended for Success: Oftec 53B Laboratory: 3 hours (Self-paced)

Familiarization with radiology terminology and transcription of medical reports, including dictation on bones, soft tissue, ultra sound, CT scans, and MRI studies. (CSU)

OFTEC 55: CARDIOLOGY 1 Unit **TRANSCRIPTION**

Recommended for Success: Oftec 53B Laboratory: 3 hours (Self-paced)

Transcription of cardiology procedures including operative and emergency room reports, discharge summaries, history and physical examination. Also included are diagnostic procedures such as echocardiograms, treadmill tests, and cardiac catheterizations. (CSU)

OFTEC 56: ORTHOPEDIC 1 Unit **TRANSCRIPTION**

Recommended for Success: Oftec 53B Laboratory: 3 hours (Self-paced)

Transcription of orthopedic history and physicals, consultations, discharge summaries, and operative reports. (CSU)

OFTEC 57: GASTROENTEROLOGY 1 Unit **TRANSCRIPTION**

Recommended for Success: Oftec 53B Laboratory: 3 hours (Self-paced)

Transcription of gastroenterology reports including history and physicals, consultations, discharge summaries, emergency room records and operative reports. Includes medical treatments and GI procedures such as endoscopy and cholecystectomy. (CSU)

OFTEC 58: PATHOLOGY TRANSCRIPTION 1 Unit

Recommended for Success: Oftec 53B Laboratory: 3 hours (Self-paced)

Familiarization with pathology terminology. Transcription of gross and microscopic autopsies, microscopic descriptions of tissue specimens and diagnoses. (CSU)

OFTEC 97: WORK EXPERIENCE IN 1-4 Units **OFFICE TECHNOLOGY**

OFFICE TECHNOLOGY

Must be enrolled in at least seven (7) units Prerequisite: including Work Experience.

Provides students an opportunity to experience supervised employment in Office Technology. The student's employment must be related to educational or occupational goals. (CSU*) (*Transfer credit limited. See a counselor.)

Offered for Credit/No Credit grading only May be repeated for no more than a total of 16 units of credit less any units earned in any other Work Experience course. For students interested in working full time one semester and attending classes one semester on an alternate basis, see Wkexp 96, page 129.

OFTEC 100: COMPUTER KEYBOARDING I 1 Unit

Laboratory: 3 hours (Self-paced)

Designed for students wishing to master the touch method of keyboarding.

OFTEC 110: COMPUTER KEYBOARDING II 2 Units

Recommended for Success: Oftec 100 1.5 hours

Laboratory: 1.5 hours (Self-paced) Continuation of Computer Keyboarding I with further emphasis on speed and accuracy development. Provides instruction for creating memos, letters, reports, and tables

using a word processing program.

OFTEC 120: COMPUTER KEYBOARDING III 3 Units

Recommended for Success: Oftec 110

Lecture: 2 hours Laboratory: 3 hours (Self-paced)

Development of speed, accuracy, production-level mastery on a wide variety of business documents using word processing functions and features to facilitate the creation of professional looking documents. (MJC OFADM 301 and

OFTEC 125: RECORDS MANAGEMENT 3 Units AND FILING APPLICATIONS

Lecture: 3 hours

This is a basic course in the principles and practices of effective records management systems and includes practice in classifying, arranging, and storing of records for both manual and computerized records systems. Emphasis is placed on practical applications of alphabetic, numeric, geographic and subject filing systems. Meets or exceeds specifications of American Records Management Associa-

OFTEC 130: BUSINESS ENGLISH 3 Units

Lecture: 3 hours

The mechanics of English including grammar, punctuation, sentence structure, spelling, and use of the diction-

OFTEC 131: OFFICE PROCEDURES AND 3 Units **TECHNOLOGY**

Prerequisitess: Oftec 125 3 hours Lecture:

Application of workforce issues and development of skills including decision making, team building, business ethics, communication, and time management. Introduction to meeting management, travel and conference planning. Development of presentation skills and employment portfolio. (CSU)

OFTEC 132: BUSINESS COMMUNICATIONS 3 Units

Recommended for Success: Oftec 130 or Engl 250

3 hours Lecture:

Study and development of a variety of communication skills. Emphasis will be placed on writing skills as well as speaking, listening, and nonverbal skills. Students will learn how to compose and create effective documents typically used in business and personal situations including letters, memos, technology-related messages and reports. (CSU) (MJC BUSAD 210)

OFTEC 142: DESKTOP PUBLISHING 1-2 Units **ESSENTIALS***

Recommended for Success: Oftec 215 and Cmpsc 4

Lecture: 1-2 hours

This course is an introduction to general desktop publishing theory with emphasis on desgin elements of formatted text, frames, photographs, clipart, lines, and pictures. Students will create sample projects such as newsletters, brochures, flyers, business cards, etc.

*Credit may be earned for either Oftec 142 or Cmpsc 142,

but not both.

OFTEC 151: MEDICAL OFFICE 3 Units **MANAGEMENT**

Prerequisites: Oftec 50 or equivalent

Lecture: 3 hours

This course is an introduction to the multiple functions performed by the Medical Office Specialist. Topics include appointment scheduling; verbal, nonverbal, and written communication; interpersonal skills; telephone techniques; managing office supplies, equipment, and personnel; development of organizational and decision-making skills and financial records.

OFTEC 190: MEDICAL OFFICE 1.5 Units **INTERNSHIP**

Prerequisite: Oftec 151 or equivalent

Lecture: .5 hours

75 hours of discipline-specific work experience Laboratory: Supervised practical experience in medical offices and

hospitals to develop office and interpersonal skills in preparation for entry-level employment as medical office specialists.

May be repeated two times.

Offered for Credit/No Credit grading only.

OFTEC 210: TYPING SPEED AND 1 Unit **ACCURACY BUILDING**

Laboratory: 3 hours (Self-paced)

Speed building and accuracy on straight copy, and statistical writing, intensive drills, timed writings and remedial

May be repeated three times.

OFTEC 215: WORD PROCESSING FOR 1 Unit **PERSONAL USE**

Lecture: 1 hour

Instruction in typing, storing, revising, and printing and other beginning commands for a variety of applications using a word processing program. Designed for non-majors; no previous computer experience is required. Offered for Credit/No Credit grading only.

PHILOSOPHY

PHILO 1: **INTRODUCTION TO** 3 Units **PHILOSOPHY**

(CAN PHIL 2)

3 hours Lecture:

Survey of the field of philosophy, including human nature, meaning in life, and values in ethics, social justice, and art; knowledge, truth, logic, and the scientific method; ultimate reality and philosophy of religion. (UC/CSU) (MJC **PHILO 101)**

PHILO 4: **WORLD RELIGIONS AND** 3 Units **SPIRITUALITY***

3 hours Lecture:

Study of the development of religious consciousness, including the earliest belief systems in the world, the major "living religions" today, tribal religions, "new age" religion and spirituality, and an examination of the meaning of the religious experience. (UC/CSU) (MJC PHILO 115) Field trips may be required.

*Credit may be earned for either Philo 4 or Human 4, but not both.

PHILO 25: TWENTIETH CENTURY 3 Units **PHILOSOPHY**

3 hours Lecture:

A brief survey of nineteenth and twentieth century philosophy emphasizing the contributions of various thinkers to our understanding of what it is to be human, the nature of society and the relationship of the individual to it, science, technology and human values, and the meaning of life itself. (UC/CSU) (MJC PHILO 123)

PHOTOGRAPHY (See Art)

PHYSICS

PHYCS 1: **CONCEPTUAL PHYSICS** 3 Units

Lecture: 3 hours

A conceptual investigation of the physics of motion, energy, light and color, gravitation, and an introduction to black holes and relativistic time travel. (UC*/CSU) (*Transfer credit limited. See a counselor.) (MJC PHYS 160)

PHYCS 4A: INTRODUCTORY PHYSICS I: 4 Units TRIGONOMETRY LEVEL

(CAN PHYS 2) (CAN PHYCS SEQ A = PHYCS 4A = PHYCS

Prereauisite: Math 8 and Math 10, or Math 16, or eauivalent

4 hours

Lecture: Laboratory: 2 hours

A trigonometry-level introduction to the modeling of physical phenomena using Newtonian theory and its extensions. Topics include macroscopic force laws, linear and rotational dynamics, energy, fluids, oscillations, waves, and thermal physics. This course requires the student to use the following college-level skills: algebra, trigonometry, abstract concept assimilation, and critical thinking. (UC*/CSU) (*Transfer credit limited. See a counselor.) (MJC PHYS 142)

Field trips may be required.

PHYCS 4B: INTRODUCTORY PHYSICS II: 4 Units TRIGONOMETRY LEVEL

(CAN PHYS 4) (CAN PHYCS SEQ A=PHYCS 4A=PHYCS 4B)

Prerequisite: Phycs 4A or equivalent

Lecture: 4 hours Laboratory: 2 hours

A trigonometry-level introduction to the modeling of physical phenomena using electrostatics, magneto statics, electromagnetic induction, and electric circuit theories. Includes an introduction to optics, and modern physics. This course requires the student to use the following college-level skills: algebra, trigonometry, abstract concept assimilation, critical thinking, and a four-stage physics modeling procedure (developed in Introductory Physics I). (UC*/CSU) (*Transfer credit limited. See a counselor.) (MJC PHYS 143)

PHYCS 5A: INTRODUCTORY PHYSICS I: 5 Units CALCULUS LEVEL

(CAN PHYS 8)

Prerequisite: Math 18A or equivalent, or concurrent enrollment in Math 18A

Lecture: 5 hours Laboratory: 2 hours

A calculus-based introduction to the modeling of physical phenomena using Newtonian theory and its extensions. Topics include macroscopic force laws, linear and rotational dynamics, energy, fluids, oscillations, thermal physics, and waves. This course requires the student to use the following college-level skills: algebra, trigonometry, beginning calculus, abstract concept assimilation, and critical thinking. (UC*/CSU) (*Transfer credit limited. See a counselor.) (MJC PHYS 101) Field trips may be required.

PHYCS 5B: INTRODUCTORY PHYSICS II: 5 Units CALCULUS LEVEL

(CAN PHYS 12)

PHYSICS/POLITICAL SCIENCE/PSYCHOLOGY

Prerequisite: Phycs 5A or equivalent, and Math 18B or equivalent, or concurrent enrollment in Math

5 hours Lecture: 2 hours Laboratory:

A calculus-level introduction to modeling with electrostatics, magneto statics, electromagnetic induction, and electric circuit theories. Includes an introduction to optics and modern physics. The course requires the student to use the following college-level skills: algebra, trigonometry, integral calculus, abstract concept assimilation, critical thinking, and a four-stage physics modeling procedure (developed in Introductory Physics I). (UC*/CSU) (*Transfer credit limited. See a counselor.) (MJC PHYS 103)

POLITICAL SCIENCE

POLSC 10: CONSTITUTIONAL 3 Units **GOVERNMENT**

(CAN GOVT 2)

3 hours Lecture:

A survey course in the political system of the United States from its inception at the end of the eighteenth century until the present time. Primary focus will be the Constitution, its ideological underpinnings, uses and limitations. Class will also cover the two party system, the process of justice, the specific mechanisms of legislature, and the governmental power at the national, state, and local levels, with specific emphasis on the state of California. The interests and rights of all historically under represented groups will be included in the analysis of the power structure.(UC/ CSU) (MIC POLSC 101)

(With Hist 16 or Hist 17 meets California State requirement for United States History, Constitution and American Ideals.)

POLSC 12: AMERICAN POLITICAL 3 Units **THOUGHT**

3 hours

Historical survey of American political processes, traditions and aspirations. Emphasis will be on contemporary political issues. (UC/CSU)

POLSC 14: INTERNATIONAL RELATIONS 3 Units

3 hours Lecture:

Dynamics of interstate relations; diplomacy and international law; international, regional, and supra-national organizations; war and peace; foreign policy. (UC/CSU) (MJC POLSC 110)

POLSC 94A(H): HONORS SEMINAR IN 3 Units **GLOBAL ISSUES**

Lecture: 3 hours

Honors seminar in contemporary global problems focusing on specific issues such as war, ethnic conflict, human rights, poverty, the environment, development; historical and philosophical background as well as current political situation; emphasis on strategies for change. Course will involve intensive research and engagement of issues as well as practice in written and oral presentation of ideas. (UC/CSU)

POLSC 95A: SERVICE LEARNING I IN 2 Units **POLITICAL SCIENCE**

1 hour Lecture: Laboratory: 3 hours

Service Learning Experience I, when paired with course curriculum, is designed to create an opportunity to understand the relationship between academic study and community service through both practical applications and critical reflection. Volunteerism and Service Learning will be examined from theory to practice. This course is designed to meet specific student interests. Students will be required to participate in a Service Learning experience for a minimum of 54 hours and attend 18 hours of lecture.

POLSC 95B: SERVICE LEARNING II IN 2 Units **POLITICAL SCIENCE**

Lecture: Laboratory: 3 hours

Continues the Service Learning experience with a mentoring component in which Service Learning II students mentor Service Learning I students. (CSU) May be repeated three times

PSYCHOLOGY

PSYCH 1: GENERAL PSYCHOLOGY 3 Units

(CAN PSY 2)

Recommended for Success: Engl 151

Lecture: 3 hours

An introductory survey course of the general field of psychology. Topics to be covered include conditioning, personality development, aggression, emotions, stress, anxiety, therapy, sexuality, motivation, consciousness, biology and behavior, and abnormal psychology. (UC/CSU) (MIC PSYCH 101)

PSYCH 2: **CURRENT ISSUES IN** 3 Units **PSYCHOLOGY**

Prerequisite: Psych 1 or equivalent

3 hours Lecture:

A look at the more advanced areas of study in psychology concentrating on current theoretical approaches and research findings regarding areas of controversy. (UC*/CSU) (*Transfer credit limited. See a counselor.)

PSYCH 5: HUMAN SEXUAL BEHAVIOR 3 Units | PSYCH 95B: SERVICE LEARNING II IN

Recommended for Success: Engl 151

3 hours Lecture:

Exploration of issues in human sexuality from the perspective of the behavioral and social sciences. Study and discussion of sexual behavior, feelings, and attitudes as they affect one's self and others. (UC/CSU) (MJC PSYCH 110)

PSYCH 10: LIFESPAN HUMAN 3 Units **DEVELOPMENT**

Recommended for Success: Psych 1

Lecture: 3 hours

Introduction to the scientific study of the human being from conception to death. The interplay of biological, psychological, social and cultural forces on the developing human will be examined. Instruction will include theoretical concepts as well as practical application. (UC/CSU)(MIC **PSYCH 141)**

PSYCH 30: PSYCHOLOGY OF 3 Units **ADJUSTMENT**

Recommended for Success: Engl 151

3 hours

The study of personal growth and adjustment to help prepare the individual for lifelong understanding of self. Discussion of personality development, interpersonal relations, sexuality, stress management, family dynamics, dealing with losses, and other concerns of the individual in our society. (CSU)(MJC PSYCH 130) Field trips may be required.

PSYCH 35: INTRODUCTION TO DRUGS 3 Units **AND BEHAVIOR**

Recommended for Success: Psych 1

3 hours

An introduction to how drugs affect behavior. Instruction in basic pharmacology and neurophysiology as it relates to drug self-administration and resultant altering of behavior. Overview of the history, concepts and theory of drug use. Includes discussion of issues related to drug use such as drug abuse as a disease or disorder, and drug use for specific purposes such as enhancing sports performance. Designed for students who do not possess a technical background. (UC/CSU)(MJC HUMSR 116)

PYSCH 95A: SERVICE LEARNING I IN 2 Units **PSYCHOLOGY**

Lecture: 1 hour Laboratory: 3 hours

Service Learning Experience I, when paired with course curriculum, is designed to create an opportunity to understand the relationship between academic study and community service through both practical applications and critical reflection. Volunteerism and Service Learning will be examined from theory to practice. This course is designed to meet specific student interests. Students will be required to participate in a Service Learning experience for a minimum of 54 hours and attend 18 hours of lecture. (CSU)

2 Units **PSYCHOLOGY**

Lecture: 1 hour Laboratory: 3 hours

Continues the Service Learning experience with a mentoring component in which Service Learning II students mentor Service Learning I students. (CSU) May be repeated three times

REAL ESTATE

RLEST 1: **PRINCIPLES OF REAL ESTATE 3 Units**

3 hours Lecture:

Real and personal acquisition, ownership, estates, joint tenancies, partnerships, sales, contracts, deeds, taxes, and financing real estate. (CSU) (MJC RLES 380)

REAL ESTATE PRACTICE RLEST 5: 3 Units

Lecture: 3 hours

Customer relationship; general real estate operations and the industry; includes types and valuation of listings, selling and current marketing techniques, financing, taxes, leasing, appraisals, insurance, public sales, exchanges, trade-in programs and investments. (CSU) (MJC RLES 381)

RLEST 10: LEGAL ASPECTS OF 3 Units **REAL ESTATE**

Lecture: 3 hours

California real estate law, titles, encumbrances, recordings, real property acquisition and transfer; Penal Code. (CSU) (MIC RLES 382)

RLEST 15: **REAL ESTATE FINANCE** 3 Units

Lecture: 3 hours

Residential and commercial financing; lending institutions, money markets and interest rates. (CSU)

RLEST 20: REAL ESTATE APPRAISAL 3 Units

Lecture: 3 hours

Emphasis on appraisal of residential properties, with an introduction to appraising commercial properties. Instruction in the methods and techniques for estimating market value; the appraisal report. (CSU)

RLEST 25: REAL ESTATE ECONOMICS 3 Units

Lecture:

Economic factors influencing real estate; real estate market and business cycles; commercial, industrial, and residential properties, urban development and renewal; regulation of land uses. (CSU)

SEARCH and RESCUE

INTRODUCTION TO SAR 10: 2 Units **SEARCH THEORY***

2 hours Lecture:

An overview of current search theories as developed by the National Park Service and the National Association for Search and Rescue. National Association for Search and Rescue Certification available to the student. (CSU) May be repeated two times.

*Credit may be earned for either SAR 10 or Fire 10, but not

SAR 50: LOW ANGLE ROPE RESCUE* 1.5 Units

Lecture: 1.5 hours

This course is designed to take the student to the basic skill and knowledge levels of Low Angle (non vertical) Rope Rescue. Topics will include, but are not limited to, basic rappelling, rescue of ambulatory and non ambulatory persons with an emphasis on safety and team work. This course will reflect current Urban Search and Rescue and California State Fire Training standards and equipment. Students completing this course will be certified in Low Angle Rope Rescue by the California State Fire Marshall's Office. (CSU)

Offered for Credit/No Credit grading only.

May be repeated if information changes due to state/local government regulations; as required for employment; or to maintain employment.

*Credit may be earned for either SAR 50 or Fire 50, but not both.

SAR 51: HIGH ANGLE ROPE RESCUE* 1.5 Units

Prerequisite: Sar 50 or equivalent

1.5 hours Lecture:

This course is designed to take the student from the basic skill levels of Low Angle (non vertical) Rope Rescue Certification to the more complex rappelling and rope rescue skills found in High Angle (vertical) Rope Rescue situations. This course will reflect current Urban Search and Rescue and California State Fire Training standards. (CSU) Offered for Credit/No Credit grading only.

*Credit may be earned for either SAR 51 or Fire 51, but not both.

1 Unit SAR 56: **EMERGENCY TRENCH SHORING***

Lecture: 1 hour

This course is designed to take the student to the basic skill and knowledge levels of Emergency Trench Shoring. Topics will include, but are not limited to: preplanning, size up and management of the trench incident, rescuer and victim safety, methods of trench shoring, victim extrication and post incident considerations. This course will reflect current CAL-OSHA and California state Fire Training Standards and equipment. Students completing this course will be certified in Trench Rescue by the California State Fire Marshall's office Offered for Credit/No Credit grading only.

May be repeated if information changes due to state/local government regulations; as required for employment; or to maintain employment.

*Credit may be earned for either SAR 56 or Fire 56, but not both.

RESCUE SYSTEMS I: 1.5 Units **SAR 58: FUNDAMENTALS OF HEAVY RESCUE***

Lecture: 1 hour

1.5 hours Laboratory:

Instruction in techniques used to evaluate injured or trapped people in above and below ground settings. Topics include rope rescue; building collapse and shoring; lifting and moving heavy objects; and the use of fire service ladders as rescue tools. (CSU) This course meets or exceeds certificate requirements from the California State Fire Marshals Office and the Federal Emergency Management Agency in Rescue Systems I: Fundamentals of Heavy Rescue.

Offered for Credit/No Credit grading only.

May be repeated if information changes due to state/local government regulations; as required for employment; or to maintain employment.

*Credit may be earned for either SAR 58 or Fire 58, but not both.

SAR 59: **RESCUE SYSTEMS I:** 3 Units **INSTRUCTOR TRAINING***

Lecture: 3 hours

Review and update of heavy duty rescue skills and techniques designed to prepare qualified personnel to teach those skills and techniques to others. (CSU)

Offered for Credit/No Credit grading only.

May be repeated if information changes due to state/local government regulations; as required for employment; or to maintain employment.

*Credit may be earned for either SAR 59 or Fire 59, but not both.

SAR 70: .5-3 Units **SPECIAL TOPICS IN SEARCH AND RESCUE**

Lecture: .5-3 hours

and/or

Laboratory: 1.5-3 hours

Various topics in rescue will be covered to meet the individual firefighter or fire department needs. Emphasis on specialized development of skills and knowledge, area planning for rescue, development and implementation of training, and rescue evaluations. (CSU)

Offered for Credit/No Credit grading only. May be repeated with different topics only.



SERVICE LEARNING EXPERIENCE SERVICE LEARNING EXPERIENCE I 2 Units

Lecture: 1 hour Laboratory: 3 hours

Service Learning Experience I, when paired with course curriculum, is designed to create an opportunity to understand the relationship between academic study and community service through both practical applications and critical reflection. Volunteerism and Service Learning will be examined from theory to practice. This course is designed to meet specific student interests and will be made available in any discipline. Students will be required to participate in the Service Learning experience for a minimum of 54 hours and attend 18 hours of lecture. (CSU)

SERVICE LEARNING EXPERIENCE II 2 Units

Lecture: 1 hour Laboratory: 3 hours

Continues the Service Learning experience with a mentoring component in which Service Learning II students mentor Service Learning I students. (CSU) May be repeated three times

SKILLS DEVELOPMENT

.5 Unit SKLDV 10: BASIC READING TUTOR **TRAINING COURSE**

Recommended for Success: Engl 151

.5 hour Trains students to be reading tutors using the language experience approach for reading and comprehension and the word pattern approach for phonics. Tutors will apply their skills during the laboratory section. (CSU)

SKLDV 11: BASIC READING TUTOR 1 Unit TRAINING COURSE LABORATORY

Co-requisite: Skldv 10 or equivalent Recommended: Eligibility for Engl 151

Offered for Credit/No Credit grading only.

Laboratory: 3 hours

Designed for reading tutors to apply their skills with children or adult new readers. (CSU)

Offered for Credit/No Credit grading only.

May be repeated three times.

SKLDV 125: INTRODUCTION TO THE .5 Unit **GRAPHING CALCULATOR**

Recommended for Success: Completion of or concurrent enrollment in Math 100A, Math 101 or higher

.5 hour Lecture:

How to use the graphing calculator and develop strategies to use the accompanying instruction booklet. Applications and topics will cover basic operation, general concepts, graphing, zooming, range changes, tracing, friendly windows, plotting, storing and retrieving variables, solutions. editing, programming, and error messages. Also covered are keyboard menus for math, number, testing, drawing. programming, and (as needed by students) probability statistics and matrices. Instruction will focus on the TI 80-83 series of graphing calculators. Offered for Credit/No Credit grading only.

SKLDV 196: PEER TUTORING

1 Unit

Lecture: 1 hour Provides students with techniques and strategies for peer tutoring. Students will study learning styles, multiple intelligence theory, learning disabilities, as well as effective communication skills, planning and structuring a tutor session, questioning techniques and multicultural perspectives. Studying these topics will lead to clarifying the nature of an effective tutor. This course meets state regulations for peer tutoring training and College Reading and Learning Association (CRLA) certification. Offered for Credit/No Credit grading only. May be repeated one time.

SKLDV 197: ADVANCED PEER TUTORING .5 Unit

Prerequisite: Skldv 196 or equivalent

.5 hour Lecture:

The Advanced Peer Tutoring course will train students to facilitate a structured group tutoring session. Particular emphasis will be on tutoring techniques designed to improve study skills of students attending group sessions.

SKLDV 210: INTRODUCTION TO .5-1 Unit **COMPUTER ACCESS**

Prerequisite: Verified disability according to California

Community College Title 5 regulations

Laboratory: 1.5-3 hours

This course is designed to provide access to and instruction of specialized computer programs for students with verified learning, developmental, or physical disabilities. Students will work in one or more areas, including adaptive typing and word processing, fundamental academic skills such as reading, spelling, vocabulary, grammar, and mathematics and/or cognitive exercises and memory building techniques.

Offered for Credit/No Credit grading only.

May be repeated three times.

SKLDV 250: SENTENCE WRITING STRATEGY

Lecture: 3 hours

SKILLS DEVELOPMENT

The course emphasizes mastering basic English sentence structure and how to write four kinds of sentences: simple, compound, complex and compound-complex. Students will learn a set of steps and key formulas that help them recognize and write different types of sentences. Recommended for DSP&S students and others who have difficulty with basic writing skills. May be repeated one time.

SKLDV 251: DIAGNOSTIC LEARNING 1.5 Unit

1.5 hours Lecture:

Individualized assistance in analyzing learning problems and selecting and applying strategies necessary for academic success in college courses.

SKLDV 270: BASIC ENGLISH SKILLS 2.5 Unit

2 hours Lecture: Laboratory: 2 hours

Review of basic skills for writing. The focus will be on writing error-free sentences in the context of short pieces of writing. Instruction will be individualized according to student's needs. Writing on the word processor will be available and encouraged. May be repeated one time.

SKLDV 275: COLLEGE SPELLING AND 2 Units **PROOFREADING**

Lecture: 2 hours

For the student needing to improve spelling and proofreading for college writing. Will include using resources to correct spelling, "tricks" to recall the correct spelling of words, understanding traditional conventions of writing and proofreading strategies. Students will also learn to use word processing to complete writing assignments.

SKLDV 277: BASIC READING 1 Unit **DEVELOPMENT**

Laboratory: 4 hours

Designed for students who read at or below the fifth grade reading level. Students will work one on one with tutors from the Basic Reading Tutor Training Course. Instruction will emphasize phonics, sight word recognition, and reading comprehension.

Offered Credit/No Credit only. May be repeated three times.

SKLDV 278: READING DEVELOPMENT I 3 Units

Lecture: 3 hours

Designed for the student who needs to develop reading skills. The course is conducted as a reading workshop which focuses on sustained silent reading in combination with short lessons on literature and the reading process. Enrollment in Engl 250 (English Fundamentals) will compliment studies in Skldv 278. May be repeated one time.

3 Units | SKLDV 279: PREPARATION FOR **COLLEGE READING**

Lecture: 3 hours

This course will prepare students to read college-level material, including textbooks, essays, short stories, novels and poetry. Reading comprehension will be imporved by developing learning strategies and techniques related to reading efficiency and learning to apply word knowledge while reading.

SKLDV 280: READING STRATEGIES .5-3 Units

Lecture: .5-3 hours

Using textbooks from another course, students will work on reading comprehension, learning strategies and techniques related to reading efficiency. This course is particularly directed at students who did not achieve a recommended placement into English 1A following the Columbia College Assessment Test. To participate in this class, students need to be concurrently enrolled in a course for which there are regular reading assignments in a textbook (not a literature text).

Offered for Credit/No Credit grading only. May be repeated two times.

SKLDV 287: VOCABULARY 2 Units **DEVELOPMENT**

Prerequisite: Skldv 278 or concurrent enrollment in Engl 151

Lecture: 2 hours Laboratory: 2 hours

A systematic strategy of vocabulary development will be presented and practiced with the vocabulary of specific disciplines such as humanities, applied science, social science, and vocational arts. Various aids to vocabulary expansion will also be examined. May be repeated two times.

SKLDV 290: STUDY SKILLS .5 Unit

Lecture: .5 hour

An introductory discussion of effective study methods. Topics will include goal setting, time management, learning styles, note-taking, textbook analysis, memory/ concentration, and test taking.

SKLDV 296: APPLIED TEST-TAKING .5-1 Unit SKILLS

.5-1 hour Lecture:

May be repeated one time.

Basics of successful test taking with emphasis on the skills necessary to improve performance on a specific exam such as the S.A.T., C.B.E.S.T., or Civil Service Exam. Offered for Credit/No Credit grading only.

May be repeated three times.



3 Units

SOCIOLOGY

See Page 36 for Human Services Certificate Requirements

SOCIO 1: **INTRODUCTION TO** SOCIOLOGY

(CAN SOC 2)

Recommended for Success: Engl 151

3 hours

Introduction to the principal concepts and methods of sociology; survey of interactions, interrelationships and processes of society, such as culture, socialization, stratification, minorities, primary and secondary groups, social change. (UC/CSU) (MJC SOCIO 101)

SOCIO 2: **AMERICAN SOCIETY: SOCIAL 3 Units PROBLEMS AND DEVIANCE**

(CAN SOC 4)

Lecture: 3 hours

Social concerns, such as family disorganization, religious conflicts, educational irregularities, poverty, physical and mental health care, political issues, crime and justice, violence and aggression, drug issues, and environmental problems will be studied from the social institutions and social deviance perspectives. (UC/CSU) (MJC SOCIO 102)

ETHNICITY AND ETHNIC SOCIO 5: 3 Units **RELATIONS IN AMERICA**

Lecture: 3 hours

This is a multidisciplinary study of ethnicity (belonging to an ethnic group) and ethnic group relations in the United States from an historical and sociological perspective. It emphasizes a challenging field of study with the dynamics of emergence, ethnocentrism, change, marginality and acculturation of major ethnic groups in the United States. The immense diversity of these groups will be explored and analyzed through the methodology of recent sociological research. This course is designed to meet an ethnic studies requirement. (UC/CSU) (MJC SOCIO 150)

GENDER, CULTURE 3 Units SOCIO 7: **AND SOCIETY***

3 hours Lecture:

The course takes an inclusive bio-cultural evolutionary perspective on gender, focusing on non-human primate societies as well as primitive (small scale) and modern (large scale) human societies. Factors such as culture, ecological conditions and historical circumstances, forces of stratification (e.g. age, social class), socialization (e.g. rites of passage, conformity & deviance) as well as the science (e.g. concepts, theories & methods) of studying these topics will be addressed. Though course readings will represent many disciplines, the foundation readings reflect the prespectives of bio-cultural anthropology as well as sociology. This emphasis addresses the fundamental assumption that while sex differences are biological, gender encompasses the traits that culture assigns and inculcates (with varying degress of success) in males and females.

*Credit may be earned for Socio 7 or Anthr 7, but not both.

SOCIO 12: SOCIOLOGY OF THE FAMILY 3 Units

Lecture: 3 hours 3 Units

Comparative and historical treatment of the family institution. Analysis of kinship and family structure, roles and relationships within the family. Assessment of the contemporary society on the American family. (UC/CSU) (MJC **SOCIO 125)**

SOCIO 28: DEATH AND DYING 3 Units

Recommended for Success: Engl 151

Lecture: 3 hours

Examination of the predominant attitudes and practices with regard to death, dying, and grief in the U.S.; included will be material relevant to suicide, the terminally ill, bereavement, and various viewpoints about the phenomenon of death. (CSU) (MIC HUMSR 114) Field trips may be required.

SOCIO 95A: SERVICE LEARNING I IN 2 Units **SOCIOLOGY**

Lecture: 1 hour Laboratory: 3 hours

Service Learning Experience I, when paired with course curriculum, is designed to create an opportunity to understand the relationship between academic study and community service through both practical applications and critical reflection. Volunteerism and Service Learning will be examined from theory to practice. This course is designed to meet specific student interests. Students will be required to participate in a Service Learning experience for a minimum of 54 hours and attend 18 hours of lecture. (CSU)

SOCIO 95B: SERVICE LEARNING II IN 2 Units SOCIOLOGY

Lecture: 1 hour Laboratory: 3 hours

Continues the Service Learning experience with a mentoring component in which Service Learning II students mentor Service Learning I students. (CSU) May be repeated one time.

SOCIO 97: WORK EXPERIENCE IN 1-4 Units **HUMAN SERVICES**

Prerequisite: Must be enrolled in at least seven (7) units including Work Experience.

75 hours paid employment equals 1 unit of credit 60 hours unpaid employment equals 1 unit of credit Provides students an opportunity to experience supervised employment in Human Services. The student's employment must be related to educational or occupational goals. (CSU*) (*Transfer credit limited. See a counselor.) Offered for Credit/No Credit grading only.

May be repeated for no more than a total of 16 units of credit less any units earned in any other Work Experience course. For students interested in working full time one semester and attending classes one semester on an alternate basis, see Wkexp 96, page 129.

SPANISH

SPANISH: Beginning SPAN 1A: 5 Units

(CAN SPAN 2)

(CAN SPAN SEQ A = SPAN 1A + SPAN 1B)

Recommended for Success: Engl 1A

SPANISH/SPEECH COMMUNICATION

Lecture: 5 hours Laboratory: 1 hour

Fundamentals of spoken and written Spanish. (UC/CSU)

(MIC SPAN 101)

SPAN 1B: **SPANISH: Beginning** 5 Units

(CAN SPAN 4)

(CAN SPAN SEQ A = SPAN 1A + SPAN 1B)

Prerequisite: Span 1A or 2 years of high school Spanish or

eauivalent Lecture: 5 hours Laboratory: 1 hour

Continuation of Spanish 1A, fundamentals of spoken and written Spanish. (UC/CSU) (MJC SPAN 102)

SPAN 2A: SPANISH: Intermediate 5 Units

(CAN SPAN 8) (CAN SPAN SEQ B = SPAN 2A + SPAN 2B)

Prerequisite: Span 1B or 3 years of high school Spanish or

equivalent

Lecture: 5 hours Laboratory: 1 hour

Continuation of Spanish 1B. Includes grammar, conversation and discussion, composition and reading. (UC/CSU) (MJC SPAN 103)

SPAN 2B: **SPANISH: Intermediate** 5 Units

(CAN SPAN 10) (CAN SPAN SEQ B = SPAN 2A + SPAN 2B)

Prerequisite: Span 2A or equivalent

Lecture: 5 hours

Laboratory: 1 hour

A continuation of intermediate level Spanish, to include poetry and prose, in-depth discussion and composition. An attempt is made to refine all of the language skills in Spanish. (UC/CSU) (MJC SPAN 104)

SPAN 10A: CONVERSATIONAL SPANISH: 3 Units **Beginning**

3 hours

Practice in vocabulary, idioms and grammatical usage with emphasis on conversational use of the language as spoken in Hispanic America. (CSU) (MJC SPAN 51) May be repeated one time.

SPAN 10B: CONVERSATIONAL SPANISH: 3 Units Beginning

Prerequisite: Span 10A or equivalent

3 hours Lecture:

A continuation of Spanish 10A with emphasis on ideas, culture and use of the total language. (CSU)

May be repeated one time.

SPAN 20A: CONVERSATIONAL SPANISH: 3 Units Intermediate

Prerequisite: Span 10B or equivalent

Lecture: 3 hours

An intermediate level conversation course designed for the practice of listening and speaking skills in Spanish with a focus on everyday activities in a comparative cultural context. Preparation includes reading of assigned material.

May be repeated two time.

Lecture:

Lecture:

SPAN 20B: CONVERSATIONAL SPANISH: 3 Units Intermediate

Prerequisite: Span 20A or equivalent

3 hours

An intermediate level conversation course designed to refine listening and speaking skills through discussion of contemporary issues in a comparative cultural context. Preparation includes reading of assigned material. (CSU) May be repeated one times.

SPAN 170: SPECIAL TOPICS IN .5-3 Units **SPANISH**

Lecture: .5-3 hours

Emphasis on the fundamentals of the Spanish language with basic structures and vocabulary. Various topics in Spanish will be covered to meet individual and agency

Offered for Credit/No Credit grading only. May be repeated with different topics only.

SPEECH COMMUNICATION

SPCOM 1: **FUNDAMENTALS OF SPEECH 3 Units**

(CAN SPCH 4)

3 hours

Principles of oral communication; speech composition and techniques of presenting informal and formal speeches. Emphasis given to organization, delivery, critical thinking, and evaluative listening. (UC/CSU) (MIC SPCOM 100)

SPCOM 2: ARGUMENTATION 3 Units

(CAN SPCH 6)

Prerequisite: Spcom 1 or equivalent

Lecture: 3 hours

A study of the art of argumentation; analysis of issues and evidence; the elements of logic; analysis of others' arguments; oral presentation of arguments.(UC/CSU) (MIC SPCOM 104)

INTRODUCTION TO HUMAN 3 Units SPCOM 4: COMMUNICATION

Lecture: 3 hours

The study of human communication including verbal, nonverbal and listening skills. Effective oral participation in interpersonal contexts, group discussions, and individual presentations in public settings. (UC/CSU) (MJC SPCOM 102)





SPCOM 5: INTERCULTURAL COMMUNICATION

3 hours Lecture:

A study of intercultural communication with a focus on the analysis and comparisons of message perception and transmission in interactions between people from different cultures. Practical application of skills for effective communication between people of different domestic and international cultures is emphasized.

SPCOM 12: MASS COMMUNICATION 3 Units

3 hours Lecture:

An overview of the evolution of mass media and the cumulative effect on public perception and cultural identity with specific focus on books, newspapers, magazines, film, radio and sound recording, television, internet, advertising, public relations and advertising.

3 Units **SPCOM 18: VOICE DYNAMICS***

2 hours Lecture: Laboratory: 3 hours

A study of Voice Dynamics will focus on vocal psychology, breathing, relaxation, vocal variety, projections, articulation, placement, phonetics, ear training and vocal analyses, character "voices", dialects and accents. This course is designed for self-improvement and for students who wish to increase their vocal skills for professional use. (UC/CSU) *Credit may be earned for either Spcom 18 or Drama 18, but not both.

May be repeated three times.

SPCOM 19: EXPLORING 1.5-3 Units **RADIO DRAMA***

Lecture: 1.5-3 hours

An intensive course focused on the expressive use of the voice and sound effects. It may be taken in two sections, each for 1.5 units. Students will rehearse, perform and provide sound effects for dramatic scripts to be broadcast on radio. Scripts will be rehearsed on campus with final production taped and broadcasted. (CSU) May be repeated three times.

*Credit may be earned for either Spcom 19 or Drama 19, but not both.

SPCOM 50A: SIGN LANGUAGE 2 Units

Lecture: 2 hours

Development of expressive and receptive skills in sign language including skills in finger spelling. Receptive skills will be emphasized. Signing systems will include Pigeoned Signed English (PSE), American Sign Language (ASL) and Signing Exact English (SEE). American Sign Language will be emphasized. (CSU)

3 Units | SPCOM 50B: SIGN LANGUAGE

2 Units

Prerequisite: Spcom 50A or equivalent

2 hours

Development of advanced level receptive and expressive skills in conversational sign language and finger spelling. (CSU)

May be repeated two times.

TEACHER AIDE TRAINING

T-AID 97: **WORK EXPERIENCE AS A 1-4 Units TEACHER AIDE**

Prerequisite: Must be enrolled in at least seven (7) units including Work Experience.

75 hours paid employment equals 1 unit of credit 60 hours unpaid employment equals 1 unit of credit Provides students an opportunity to experience supervised employment in Teacher Aide Training. The student's employment must be related to educational or occupational goals. (CSU*) (*Transfer credit limited. See a counselor.) Offered for Credit/No Credit grading only.

May be repeated for no more than a total of 16 units of credit less any units earned in any other Work Experience course. For students interested in working full time one semester and attendina classes one semester on an alternate basis, see Wkexp 96, page 129.

WELDING TECHNOLOGY

See Page 37 for Welding Certificate Requirements

WORK EXPERIENCE IN 1-4 Units WT 97: WELDING TECHNOLOGY

Prerequisite: Must be enrolled in at least seven (7) units including Work Experience.

75 hours paid employment equals 1 unit of credit 60 hours unpaid employment equals 1 unit of credit Provides students an opportunity to experience supervised employment in Welding Technology. The student's employment must be related to educational or occupational goals. (CSU*) (*Transfer credit limited. See a counselor.) Offered for Credit/No Credit grading only.

May be repeated for no more than a total of 16 units of credit less any units earned in any other Work Experience course. For students interested in working full time one semester and attending classes one semester on an alternate basis, see Wkexp 96, page 129.

WT 100: INTRODUCTION TO WELDING 3 Units

Lecture: 1 hour Laboratory: 6 hours

Basic arc and oxygen-acetylene welding as it applies to shop and field techniques. (MJC WELD 200)

WT 101: PRACTICAL LABORATORY 1 Unit

Prerequisite: WT 111 or equivalent

Laboratory: 3 hours

The student shall gain practical experience by working on an individual project (including certification projects). Emphasis on quality, appearance and function. (CSU) May be repeated one time.

METALLIC AND TUNGSTEN 3 Units WT 110: **INERT GAS WELDING (M.I.G./T.I.G.)**

Lecture: Laboratory: 6 hours

Prepare metals for welding, make basic joints on various metals using the M.I.G. and T.I.G. welding processes. Interpret blueprint lines and symbols used in M.I.G. and T.I.G. welding.

WT 111: ADVANCED ARC WELDING 3 Units **TECHNIQUES**

Prerequisite: WT 100 or equivalent

Lecture: 1 hour Laboratory: 6 hours

This course covers are welding in flat, horizontal, vertical and overhead positions. Welding cast iron, carbon arc cutting, basic pipe welding, plasma cutting, metallurgy, hard facing technology is included. Special emphasis will be on control of heat and distortion and failure analysis. Students will prepare for A.W.S. welding certification.

WT 165: **METAL SCULPTURE*** 1.5 Units

Lecture: .5 hours Laboratory: 3 hours

This course will offer an introduction to various metal working techniques with an emphasis on aesthetic design and quality of metal joining.

*Credit may be earned for either WT 165 or Art 165, but not both.

WT 166: METAL SCULPTURE 1 Unit **PROJECTS***

WT 165 or ART 165 with a grade of "C" Prerequisite:

or better

3 hours Laboratory:

This course is designed to allow students to expand upon their skills in metal sculpture techniques and to provide for the student a more individualized pursuit in metal sculpturing.

*Credit may be earned for either WT 166 or Art 166, but not

May be repeated three times.

WELDING CERTIFICATION WT 180: .5 Unit

Prerequisite: WT 100 and WT 110 or equivalent Laboratory: 1.5 hours

This course is designed to prepare the student for the welding certification test according to industry codes and standards. Special emphasis will be placed on welder dexterity and correcting deficiencies in welding techniques. Offered for Credit/No Credit grading only.

May be repeated if information changes due to stae/local government regulations; as required for employment; or to maintain employment.

WORK EXPERIENCE

All CSU campuses will accept Work Experience; see your counselor or work experience coordinator for limitations.

WKEXP 96: COOPERATIVE WORK 1-8 Units **EXPERIENCE**

75 hours of paid employment equals 1 unit of credit. 60 hours of unpaid employment equals 1 unit of credit. Provides OCCUPATIONAL students with the opportunity to alternate full-time terms in school with full-time employment during which no classes are required and the student may earn a maximum of 8 units of work experience credit during the term (semester) on the job. Participants in the alternate plan may not take more than one other course with work experience. (CSU*) (*Transfer credit limited. See a counselor.)

Offered for Credit/No Credit grading only. May be repeated for a maximum of 16 units of credit from Wkexp 96 and/or Wkexp 97.

Art	Fire Tech.	Natural Resources
Auto Tech.	Geography	Office Technology
Biology	Guidance	Political Science
Business Ad.	Health & Human Per	Psychology
Chemistry	History	Sociology
Drafting	Health Occupations	Spanish
Drama	Hospitality Management	Speech Communication
Earth Science	Journalism	Teacher Aide Training
Emergency Med Services	Mathematics	Welding Technology
English	Music	

WKEXP 97: COOPERATIVE WORK 1-4 Units **EXPERIENCE**

Co-requisite: Enrollment in a minimum of seven (7) units of coursework including Cooperative Work Experience at Columbia College.

75 hours of paid employment equals 1 unit of credit. 60 hours of unpaid employment equals 1 unit of credit. The student's part-time of full-time employment is parallel or concurrent with enrollment in regular college classes, and the student receives a maximum of 4 units per semester. A student must enroll in and complete a total of at least 7 units per semester including work experience. GENERAL CWEE students may enroll in a maximum of 3 units of CWEE per semester. (CSU*) (*Transfer credit limited. See a counselor.)

Offered for Credit/No Credit grading only. May be repeated for a maximum of 16 units of credit from Wkexp 96 and/or Wkexp 97.





TWO-YEAR COURSE OFFERINGS **COURSES REQUIRED FOR CERTIFICATES** AND ASSOCIATE DEGREES

To assist students in planning their schedules, Columbia College has prepared a proposed listing of courses to be offered for the next two years. This list is subject to change due to fiscal constraints and availability of staff and/or facilities. PLEASE CONSULT THE SEMESTER SCHEDULE OF CLASSES FOR ACTUAL COURSE OFFERINGS.

COL	URSE	2004 Fall	2005 Spr	2005 Fall	2006 Spr
ANT	HROPOLOGY		-		
1	Physical Anthropology	yes	yes	yes	yes
2	Cultural Anthropology	yes	yes	yes	yes
3	Current Issues	no	no	no	no
15	Native People North America	no	no	yes	no
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ART	•				
1	Basic Freehand Drawing	yes	no	yes	no
2	Basic Color and Design	no	yes	no	yes
9A	Life Drawing: Beginning	yes	yes	yes	yes
11	Hist. of Art: Anc. & Med.	yes	yes	yes	yes
12	Hist. of Art: Ren. Bar. & Mod.	yes	yes	yes	yes
13	Art of Africa, Asia, Americas	no	no	no	no
21A	Painting: Beginning	yes	yes	yes	yes
23A	Watercolor: Beginning	yes	no	yes	no
25	Mixed Media Painting	no	yes	no	yes
31	Ceramics: Introductory	yes	yes	yes	yes
40	Photography: Beginning	yes	yes	yes	yes
41	Photography: Intermediate	no	yes	no	yes
42	Color Photography	no	no	no	no
45	Field Photography	no	no	no	no
48	Special Topics in Photography	no	no	no	no
71	Intro to Ceramic Sculpture	yes	no	yes	no
AUT	OMOTIVE TECHNOLOG	Y			
97	Work Experience in Auto Tech	yes	yes	yes	yes
100	Intro to Automotive Tech	yes	no	yes	no
101	Automotive Braking Systems I	yes	no	yes	no
102	Engine Repair	yes	no	yes	no
103	Practical Laboratory	yes	yes	yes	yes
110	Automotive Electronics I	no	yes	no	yes
111	Engine Performance I	no	yes	no	yes
112	Heating and Air Conditioning	no	yes	no	yes
120	Suspension and Steering	yes	no	yes	no
121	Automotive Braking Systems II	yes	no	yes	no
122	Manual Power Trains & Axles	yes	no	yes	no
130	Automotive Electronics II	no	yes	no	yes
131	Engine Performance II	no	yes	no	yes
132	Transmissions & Transaxles	no	yes	no	no
165	Clean Air Car Course	no	no	no	yes
BIO	LOGY				
2	Principles of Biology	yes	no	yes	no
4	Principles of Animal Biology	yes	no	yes	no
6	Principles of Plant Biology	no	yes	no	yes
10	Human Anatomy	yes	no	yes	no
17	Fundamentals of Biology	yes	yes	yes	yes
24	General Ecology	yes	no	yes	no
39	Field Biology	yes	yes	yes	yes
50	Nutrition	yes	no	yes	no
60	Human Physiology	no	yes	no	yes
65	Microbiology	no	yes	no	yes
97	Work Experience	yes	yes	yes	yes
	*				

COI	J RSE	2004 Fall	2005 Spr	2005 Fall	2006 Spr
179	Fishing & Fishery Biology of the Sierra Nevada	yes	no	yes	no
BUS	INESS ADMINISTRATIO	N			
1A	Principles of Accounting	yes	no	yes	no
1B	Principles of Accounting	no	yes	no	yes
18	Business Law	yes	yes	yes	yes
20	Principles of Business	yes	yes	yes	yes
24	Human Relations in Organizations	no	yes	no	yes
25	Job Search	yes	yes	yes	yes
30	Principles of Marketing	yes	no	yes	no
40	Principles of Management	yes	no	yes	no
97	Work Experience	yes	yes	yes	yes
138	Excel Spreadsheets	yes	yes	yes	yes
154	Comput. Acct. (Peachtree)	no	yes	no	yes
152	Comput. Acct. (Quick Books)	no	yes	no	yes
153	Comput. Acct. (M.Y.O.B.)	no	yes	no	yes
150	Small Business Management	no	yes	no	yes
151	Finance and Investments	no	yes	no	yes
158	Payroll Accounting	yes	no	yes	no
164	Income Tax	yes	no	yes	no
160	Basic Accounting	no	no	no	yes
161A	Small Business Accounting	yes	no	yes	no
161B	9	no	yes	no	yes
163	Business Mathematics	yes	yes	yes	yes
CHE	MISTRY				
1A	General Chemistry	yes	yes	yes	yes
1B	General Chemistry	yes	yes	yes	yes
10	Fundamentals of Chemistry	yes	yes	yes	yes
11	Fundamentals of Organic and Biochemistry	no	yes	no	yes
20	Conceptual Chemistry	no	yes	no	yes
	D DEVELOPMENT				
1	Principles of Child Dev.	yes	yes	yes	yes
2	Observ./Recording Behavior	yes	no	yes	no
3	Practices in Child Dev.	no	yes	no	yes
7	Child Health and Safety	no	yes	no	yes
8	Early Literacy Development	no	yes	no	yes
10	Creative Activities in the Arts	yes	no	yes	no
12	Creative Activities in Math	yes	no	yes	no
13	Creative Activities in Science	yes	no	yes	no
16	Practicum	yes	yes	yes	yes
19	Except. Needs Children	yes	no	yes	no
22 23	Child, Family, Community Guiding Children's Social	yes	yes	yes	yes
25	Development	yes	no	yes	no
25	Infant/Toddler Care	yes	no	yes	no
	School Age Children	no	yes	no	yes
27					
28	Books for Young Children	no	yes	no	
		no no no			yes
28 30 105	Books for Young Children Child Care/Nursery S. A.	no	yes yes	no no	yes
28 30 105	Books for Young Children Child Care/Nursery S. A. Child Nutrition	no	yes yes	no no	yes
28 30 105 CON	Books for Young Children Child Care/Nursery S. A. Child Nutrition IPUTER SCIENCE Computer Concepts and Information Systems	no no yes	yes yes yes	no no no	yes yes
28 30 105	Books for Young Children Child Care/Nursery S. A. Child Nutrition IPUTER SCIENCE Computer Concepts and	no no	yes yes yes	no no no	yes yes yes
28 30 105 CON 1	Books for Young Children Child Care/Nursery S. A. Child Nutrition IPUTER SCIENCE Computer Concepts and Information Systems Operating Systems Windows Operating Systems Essentials	yes yes yes	yes yes yes yes	no no yes yes	yes yes yes yes
28 30 105 CON 1	Books for Young Children Child Care/Nursery S. A. Child Nutrition IPUTER SCIENCE Computer Concepts and Information Systems Operating Systems Windows Operating Systems Essentials UNIX Operations	yes yes yes	yes yes yes yes yes yes	yes yes yes	yes yes yes yes yes
28 30 105 CON 1 3 4	Books for Young Children Child Care/Nursery S. A. Child Nutrition IPUTER SCIENCE Computer Concepts and Information Systems Operating Systems Windows Operating Systems Essentials	yes yes yes no	yes yes yes yes	no no yes yes	yes yes yes yes yes yes yes yes

COI	JRSE	2004 Fall	2005 Spr	2005 Fall	2006 Spr	
13	Introduction to HTML	yes	yes	yes	yes	~
14	Adv. Topics in Website Dev.	no	yes	yes	yes	
15	Java Programming	yes	no	yes	no	
17 22	Advanced Internet Research	yes	yes	yes	yes	- 1
24	Programming Concepts I Programming Concepts II	yes	no	yes	no	
28	Visual Basic Programming	no yes	yes yes	no yes	yes yes	- 1
30	Financial Worksheets	no	yes	no	yes	
33	Computer Graphics I	yes	yes	по	yes	
41	Networking Essentials	yes	yes	yes	yes	- Li
51	Management Information Systems	yes	no	yes	no	Ι.
52	E-Commerce	no	yes	no	yes	
53	Project Management	yes	no	yes	no	
54	Data Mining	no	yes	no	yes	
55 59	Database Management GIS/GPS	yes	по	yes	no	
60	Intro to GIS-ArcView	no yes	yes no	no yes	yes no	Ι,
65	GIS Applications	no	no	no	yes	1 2
70	Intro to Raster-Based GIS Systems	yes	no	yes	no	1
75	GIS Applications in Resource Mgmt	no	yes	no	no	1
149	Photoshop for the Web	yes	yes	yes	yes	- 1 '
155	Acess	yes	yes	yes	yes	
	FTING					
50A	Computer Assisted Draft. I	yes	yes	yes	yes	ı
DRA						
10	Intro to the Theatre	no	yes	yes	no	
18	Voice Dynamics	yes	no	no	no	
19 20	Exploring Radio Drama Oral Expressions & Interpret.	no	yes	no	yes	
22	Intro to Reader's Theatre	yes no	yes no	yes no	yes no	
42	Acting Fundamentals	no	no	no	yes	
43	Acting/Directing	no	yes	no	yes	1
44	Advanced Acting Projects	no	no	no	no	1
45	Improvisation	yes	no	yes	no	
	TH SCIENCE					- 10
5	Physical Geology	yes	yes	yes	yes	
10	Environmental Geology	no	yes	no	yes	
25	Geology of the National Parks		no	yes	no	
30 35	Global Tectonic Geology	yes	yes	yes	yes	- 14
40	Field Geology Descriptive Astronomy	yes	yes	yes	yes no	- `
	NOMICS	yes	по	yes	110	1
10	Principles of Economics	yes	no	yes	no	
11	Principles of Economics	no	yes	no	yes	1
2001	RGENCY MEDICAL SER				A170 POWER	١.
4	Emer. Medical Tech. Training	yes	yes	yes	yes	- 12
12 13	Pre-Paramedic Training Advanced First Aid/	yes	no	yes	no	
13	Emergency Care	yes	yes	yes	yes	
20	Basic Cardiology/	no	yes	no	yes	
20	Cardiac Dysrhythmias	110	,	110	, 00	2
157	First Responder & CPR	yes	yes	yes	yes	-
ENG	LISH					
1A	Reading & Comp.: Beginning	yes	yes	yes	yes	
1B	Reading & Comp.: Advanced	yes	yes	yes	yes	
1C	Critical Reasoning & Writing	yes	yes	yes	yes	
10	Creative Writing	no	yes	no	yes	

	URSE	2004 Fall	2005 Spr	2005 Fall	2006 Spr
11	Film Appreciation	yes	yes	yes	yes
17	American Literature	no	no	yes	no
18	American Literature	no	no	no	yes
46	Survey of English Literature	yes	no	no	no
47	Survey of English Literature	no	yes	по	по
49	California Literature	no	no	no	no
50	Introduction to Shakespeare	no	no	no	yes
151	Prep for College Composition	yes	yes	yes	yes
	TECHNOLOGY				
1	Fire Protection Organization	yes	yes	yes	yes
2	Fire Prevention Tech.	yes	no	no	no
3	Fire Protection Equipment	no	no	no	yes
4	Building Construction for Fire Protection	no	по	yes	no
5	Fire Behavior & Combustion	no	yes	no	no
7	Wildland Fire Control	no	yes	no	yes
29A	Driver/Operator Training 1A	no	yes	no	yes
29B	Driver/Operator Training 1B	no	yes	no	yes
50	Low Angle Rope Rescue	yes	yes	yes	yes
97	Work Experience	yes	yes	yes	yes
101	Firefighter Academy I	yes	yes	yes	yes
106	HazMat First Responder			20,000	
100	"Operational"	Yes	yes	yes	yes
108	Confined Space Awareness	yes	yes	yes	yes
110	ICS 200 Basic Incident Command System	yes	yes	yes	yes
FOR 1 10	ESTRY Intro. to Professional Forestry Dendrology	yes yes	no no	yes yes	no no
EΛΡ	ESTRY TECHNOLOGY				
153	Forest Surveying Techniques Applied Forest Inventory/Management	no yes	yes no	no yes	yes no
153 162	Forest Surveying Techniques Applied Forest Inventory/Management				
153 162 GEO	Forest Surveying Techniques Applied Forest Inventory/Management	yes	no	yes	no
153 162 GEO 12	Forest Surveying Techniques Applied Forest Inventory/Management GRAPHY Cultural Geography	yes	no	yes	no
153 162 GEO 12 15	Forest Surveying Techniques Applied Forest Inventory/Management GRAPHY Cultural Geography Physical Geography	yes yes yes	yes yes	yes yes yes	yes yes
153 162 GEO 12 15 18	Forest Surveying Techniques Applied Forest Inventory/Management GRAPHY Cultural Geography Physical Geography World Regional Geography	yes	no	yes	no
153 162 GEO 12 15 18	Forest Surveying Techniques Applied Forest Inventory/Management GRAPHY Cultural Geography Physical Geography World Regional Geography DANCE	yes yes yes no	yes yes no	yes yes yes no	yes yes yes
153 162 GEO 12 15 18 GUII	Forest Surveying Techniques Applied Forest Inventory/Management GRAPHY Cultural Geography Physical Geography World Regional Geography DANCE Career/Life Planning	yes yes yes no	yes yes no	yes yes no	yes yes yes
153 162 GEO 12 15 18 GUII 1	Forest Surveying Techniques Applied Forest Inventory/Management GRAPHY Cultural Geography Physical Geography World Regional Geography DANCE Career/Life Planning Intro to Helping Skills	yes yes yes no	yes yes no	yes yes yes no	yes yes yes
153 162 GEO 12 15 18 GUII 1	Forest Surveying Techniques Applied Forest Inventory/Management GRAPHY Cultural Geography Physical Geography World Regional Geography DANCE Career/Life Planning Intro to Helping Skills Intermediate Helping & Basic	yes yes no	yes yes no	yes yes no yes no	yes yes yes
153 162 GEO 12 15 18 GUII 10A 10B	Forest Surveying Techniques Applied Forest Inventory/Management GRAPHY Cultural Geography Physical Geography World Regional Geography DANCE Career/Life Planning Intro to Helping Skills Intermediate Helping & Basic Conflict Management Skills	yes yes no yes no	yes yes no yes yes	yes yes no yes no	yes yes yes yes
153 162 GEO 12 15 18 GUII 10A 10B	Forest Surveying Techniques Applied Forest Inventory/Management GRAPHY Cultural Geography Physical Geography World Regional Geography DANCE Career/Life Planning Intro to Helping Skills Intermediate Helping & Basic	yes yes no	yes yes no	yes yes no yes no	yes yes yes yes
153 162 GEO 12 15 18 GUII 1 10A 10B 25 115	Forest Surveying Techniques Applied Forest Inventory/Management GRAPHY Cultural Geography Physical Geography World Regional Geography DANCE Career/Life Planning Intro to Helping Skills Intermediate Helping & Basic Conflict Management Skills Job Search	yes yes no yes no no yes no	yes yes no yes yes yes	yes yes yes no yes no	yes yes yes yes yes
153 162 GEO 12 15 18 GUII 1 10A 10B 25 115	Forest Surveying Techniques Applied Forest Inventory/Management GRAPHY Cultural Geography Physical Geography World Regional Geography DANCE Career/Life Planning Intro to Helping Skills Intermediate Helping & Basic Conflict Management Skills Job Search Principles of Leadership	yes yes no yes no no yes no	yes yes no yes yes yes yes	yes yes no yes no no yes no	yes yes yes yes yes yes
153 162 GEO 12 15 18 GUII 10A 10B 25 115	Forest Surveying Techniques Applied Forest Inventory/Management GRAPHY Cultural Geography Physical Geography World Regional Geography DANCE Career/Life Planning Intro to Helping Skills Intermediate Helping & Basic Conflict Management Skills Job Search Principles of Leadership LTH AND HUMAN PERFOR	yes yes yes no yes no no yes no	yes yes no yes yes yes yes yes yes yes yes	yes yes no yes no no yes no	yes yes yes yes yes
153 162 GEO 12 15 18 GUII 1 100A 100B 25 115	Forest Surveying Techniques Applied Forest Inventory/Management GRAPHY Cultural Geography Physical Geography World Regional Geography DANCE Career/Life Planning Intro to Helping Skills Intermediate Helping & Basic Conflict Management Skills Job Search Principles of Leadership LTH AND HUMAN PERFOR Lifetime Fitness Program I	yes yes no yes no no yes no wes no yes no yes no yes no yes no yes yes	yes yes no yes yes yes yes	yes yes no yes no no yes no	yes yes yes yes yes yes yes
153 162 GEO 12 15 18 GUII 1 10A 10B 25 115 HEAI 6A 20 21	Forest Surveying Techniques Applied Forest Inventory/Management GRAPHY Cultural Geography Physical Geography World Regional Geography DANCE Career/Life Planning Intro to Helping Skills Intermediate Helping & Basic Conflict Management Skills Job Search Principles of Leadership LTH AND HUMAN PERFOR Lifetime Fitness Program I Dance Survey Ballet	yes yes yes no yes no no yes no	yes yes no yes yes yes yes yes yes yes yes yes no yes	yes yes no yes no no yes no	yes yes yes yes yes yes yes
153 162 GEO 12 15 18 GUII 1 10A 10B 25 115 HEAI 6A 20 21 23A	Forest Surveying Techniques Applied Forest Inventory/Management GRAPHY Cultural Geography Physical Geography World Regional Geography DANCE Career/Life Planning Intro to Helping Skills Intermediate Helping & Basic Conflict Management Skills Job Search Principles of Leadership LTH AND HUMAN PERFOR Lifetime Fitness Program I Dance Survey Ballet Contemporary Dance I	yes yes no no yes no no yes no no yes yes no no no	yes yes no yes yes yes yes yes yes yes yes	yes yes yes no no no yes no	yes yes yes yes yes yes yes no no
153 162 GEO 12 15 18 GUII 1 10A 10B 25 115 HEAI 6A 20 21 23A	Forest Surveying Techniques Applied Forest Inventory/Management GRAPHY Cultural Geography Physical Geography World Regional Geography DANCE Career/Life Planning Intro to Helping Skills Intermediate Helping & Basic Conflict Management Skills Job Search Principles of Leadership LTH AND HUMAN PERFOR Lifetime Fitness Program I Dance Survey Ballet Contemporary Dance I Jazz Dance I	yes yes no no yes no no yes no no yes yes no no yes yes no no yes	yes yes no yes yes yes yes yes no yes	yes yes no yes no no yes no	yes yes yes yes yes yes yes no
153 162 GEO 12 15 18 GUII 1 10A 10B 25 115 HEAI 6A 20 21 23A 225A	Forest Surveying Techniques Applied Forest Inventory/Management GRAPHY Cultural Geography Physical Geography World Regional Geography DANCE Career/Life Planning Intro to Helping Skills Intermediate Helping & Basic Conflict Management Skills Job Search Principles of Leadership LTH AND HUMAN PERFOR Lifetime Fitness Program I Dance Survey Ballet Contemporary Dance I	yes yes no no yes no no yes no no yes yes no no yes yes no no yes yes yes	yes yes no yes yes yes yes yes yes no yes no yes no	yes yes yes no no yes n	yes
153 162 GEO 12 15 18 GUII 1 10A 10B 25 115 HEAI 6A 20 21 23A 25A 27	Forest Surveying Techniques Applied Forest Inventory/Management GRAPHY Cultural Geography Physical Geography World Regional Geography DANCE Career/Life Planning Intro to Helping Skills Intermediate Helping & Basic Conflict Management Skills Job Search Principles of Leadership LTH AND HUMAN PERFOR Lifetime Fitness Program I Dance Survey Ballet Contemporary Dance I Jazz Dance I Choreography Dance Production Theatre Production: Dance	yes yes no no yes no no yes no no yes yes no no yes yes no no yes	yes yes no yes yes yes yes yes no yes	yes yes yes no no yes no yes no yes no yes no yes no no yes no yes no yes no no no no yes no yes no no yes no	yes yes yes yes yes yes no no yes no
153 162 GEO 12 15 18 GUII 10A 10B 25 115 HEAI 20 21 23A 225A 27 28 29	Forest Surveying Techniques Applied Forest Inventory/Management GRAPHY Cultural Geography Physical Geography World Regional Geography DANCE Career/Life Planning Intro to Helping Skills Intermediate Helping & Basic Conflict Management Skills Job Search Principles of Leadership LTH AND HUMAN PERFOR Lifetime Fitness Program I Dance Survey Ballet Contemporary Dance I Jazz Dance I Choreography Dance Production Theatre Production: Dance Emphasis	yes yes no no yes no no yes yes no no yes yes no no yes yes no no yes yes no no no no no	yes yes no yes yes yes yes yes no yes no yes no no yes no no yes no no yes no y	yes yes no yes no yes no yes no no no no no	yes yes yes yes yes yes yes no
153 162 GEO 12 15 18 GUII 10A 10B 25 115 HEAI 6A 20 21 23A 25A 27 28	Forest Surveying Techniques Applied Forest Inventory/Management GRAPHY Cultural Geography Physical Geography World Regional Geography DANCE Career/Life Planning Intro to Helping Skills Intermediate Helping & Basic Conflict Management Skills Job Search Principles of Leadership LTH AND HUMAN PERFOR Lifetime Fitness Program I Dance Survey Ballet Contemporary Dance I Jazz Dance I Choreography Dance Production Theatre Production: Dance	yes yes no no yes yes no no yes yes no no	yes yes yes yes yes yes yes no no yes	yes yes yes no no yes no yes no	yes yes yes yes yes yes yes no no yes no no

OUI	RSE	2004 Fall	2005 Spr	2005 Fall	2006 Spr	col	JRSE
HIST	ORY					MAT	HEMATICS
11	History of California	yes	no	yes	no	2	Elements of Statistics
13	World Civilizations: to 1650	yes	no	yes	no	4A	Mathematics for Eler
14	World Civ.: 1650 to Present	no	yes	no	yes		Teachers I
16	United States: to 1877	yes	yes	yes	yes	4B	Mathematics for Eler
17	United States: 1877 to Present	yes	yes	yes	yes		Teachers II
20	African-American History	no	no	no	no	6	Math for Liberal Arts
55	The American Frontier	no	no	no	no	8	Trigonometry
1100	DITALITY BLANK CERES					10	College Algebra
	PITALITY MANAGEME					12	Finite Mathematics
10	Intro to Recreation & Leisure	no	yes	no	yes	16	Precalculus
20	Intro to Leisure Travel &	yes	no	yes	no	18A	Calculus I
30	Tourism	1406	D.O.	WOS	no.	18B	Calculus II Fundamentals First H
30	Geography of Travel & Tourism: Western Hemisphere	yes	no	yes	no	V. 77.0000000000000000000000000000000000	Fundamentals Secon
31	Geography of Travel &	no	yes	no	yes	1005	Algebra I
1.1	Tourism: Eastern Hemisphere	110	yes	110	yes	104	Algebra II
97	Work Experience	yes	yes	yes	yes	'''	Algebia
02	Careers & Human Relations	yes	no	yes	no	MUSI	ıc
04	Hospitality Laws & Reg.	yes	no	yes	no	1	Music Fundamentals
12	Front Off. Mgmt./Catering	no	yes	no	yes	2	Introduction to Musi
14	Intro, to Maint. & House.	no	yes	no	yes	4A	Elementary Musician
20	Safety & Sanitation	yes	yes	yes	yes	4B	Elementary Musician
22	Restaurant Math	yes	yes	yes	yes	10	Survey of Music Histo
26	Nutrition for Chefs	no	yes	no	yes	'	Literature: Ancient to
28	Kitchen Management	no	yes	no	yes	11	Survey of Music Histo
33A	Intro. to Comm. Food Prep.	yes	yes	yes	yes		Literature: 1750 to p
33B	Commercial Food Preparation	yes	yes	yes	yes	12	Survey of Jazz/Popula
35	Commercial Baking: Beg. Commercial Baking: Adv.	no	yes no	no	yes no	20A	Elementary Music Th
36	Dining Room Ser. & Mgmt.	yes yes	yes	yes yes	yes	20B	Elementary Music Th
10	Contemporary Cuisine:	yes	yes	yes	yes	21A	Intermediate Music 7
1	Restaurant Desserts	yes	no	yes	no	21B	Intermediate Music 7
12	Garde Manger	yes	no	yes	no	36	Elementary Voice
46	Dining Room Ser. & Mgmt.	no	yes	no	yes	37	Elementary Voice
47	Beverage Management	yes	yes	yes	yes	38	Intermediate Voice
48	Intro to Wines	yes	no	yes	no	39	Intermediate Voice
52	Restaurant Planning	по	yes	no	yes	41B	Intermediate Piano
62	Intro to Travel Marketing,	yes	no	yes	no	49	Beginning Guitar
	Sales & Customer Service						Applied Music Series
63	Applied Marketing for the	no	yes	no	yes	60	Choir
	Travel Business		.38		C40000000000	64	Jazz Choir
54	Tourism Planning & Impacts	yes	no	no	yes	66	Community Chorus Madrigal Ensemble
55	Eco-Adventure/Heritage	yes	no	yes	no	70	College Band
۲٦	Travel Business Development	nc	1100	no	D.C.	72	lazz Ensemble
67 68	Tour Guiding and Leadership	no	yes	no	no	75	Jazz Studies
00	Developing a Hospitality/ Tourism/Recreation Career Pat	yes	no	yes	no	76	Community Orchest
69	Capstone: Tourism/	no	yes	no	no	78	Ensemble: Instrumen
0,	Recreation	110	,	110			
						100 PASSAGE 1886.00	URAL RESOURC Environmental Conse
HUN	MANITIES					1 3	
1	Old World Culture	yes	no	yes	no	9	Natural Resources La Parks and Forests Lav
2	Modern Culture	no	yes	no	yes	,	Enforcement
3	World Culture	no	yes	no	yes	22	Ecology/Use of Fire
4	World Religions/Spirituality	no	no	yes	no	30	Intro to Watershed M
.	201411644					50	Natural History & Ec
	RNALISM	nc	no.	BC.	no		
1	Intro to Journalism	no	no	no	no		URAL RESOURC
						155 160	Interpretive Guided 7 Aerial Photography a
						100	Man Interpretation

COL	JRSE	2004 Fall	2005 Spr	2005 Fall	2006 Spr	COURSE	2004 Fall
MAI	THEMATICS					OFFICE TECHNOLOGY	
2	Elements of Statistics	yes	yes	yes	yes	5 Elec. Printing Calculators	yes
4A	Mathematics for Elementary	yes	no	yes	no	20 Machine Transcription	yes
	Teachers I					40 Beginning Word Processing	yes
4B	Mathematics for Elementary	no	yes	no	yes	41 Intermed. Word Processing	yes
	Teachers II					42 Desktop Publishing	yes
6	Math for Liberal Arts Students	s no	yes	no	yes	50 Medical Terminology	yes
8	Trigonometry	yes	yes	yes	yes	52 Medical Billing Code	no
10	College Algebra	yes	yes	yes	yes	53A Beg. Medical Transcription	yes
12	Finite Mathematics	yes	no	no	no	53B Beg. Medical Transcription	yes
16	Precalculus	no	yes	no	yes	54 Radiology Transcription	yes
18A	Calculus I	yes	no	yes	no	55 Cardiology Transcription	yes
18B	Calculus II	no	yes	no	yes	56 Orthopedic Transcription	yes
100A	Fundamentals First Half	yes	no	yes	no	57 Gastroenterology Transcript.	yes
100B	Fundamentals Second Half	no	yes	no	yes	58 Pathology Transcription	yes
101	Algebra I	yes	yes	yes	yes	97 Work Experience in Oftec	yes
104	Algebra II	yes	yes	yes	yes	110 Computer Keyboarding II	yes
						120 Computer Keyboarding III	yes
MUS	IC					125 Records Management	yes
1	Music Fundamentals	no	no	no	no	130 Business English	yes
2	Introduction to Music	yes	yes	yes	yes	131 Office Procedures	no
4A	Elementary Musicianship	yes	no	yes	no	132 Business Communications	no
4B	Elementary Musicianship	no	yes	no	yes	151 Medical Office Management	yes
10	Survey of Music History and	yes	no	yes	no	190 Medical Office Internship	yes
10	Literature: Ancient to 1750	yes	110	yes	110		
11	Survey of Music History and	no	yes	no	yes	PHILOSOPHY	
	Literature: 1750 to present	110	yes	110	yes	1 Introduction to Philosophy	yes
12	Survey of Jazz/Popular Music	Ves	Ves	VAS	yes	4 World Religions/Spirituality	no
20A	Elementary Music Theory	yes	yes no	yes yes	no	25 20th Century Philosophy	no
20B	Elementary Music Theory	-		•			
21A	Intermediate Music Theory	no	yes	no	yes	PHYSICS	
21B	Intermediate Music Theory	yes	no	yes	no	1 Conceptual Physics	yes
36		no	yes	no	yes	4A Introductory Physics I: Trig	yes
37	Elementary Voice	yes	yes	yes	yes	4B Introductory Physics II: Trig	no
38	Elementary Voice Intermediate Voice	yes	yes	yes	yes	5A Intro Physics I: Calculus	yes
39	Intermediate Voice	yes	yes	yes	yes	5B Intro Physics II: Calculus	no
41B	Intermediate Piano	yes	yes	yes	yes	7	
		yes	yes	yes	yes	POLITICAL SCIENCE	
49	Beginning Guitar	yes	yes	yes	yes	10 Constitutional Government	yes
	Applied Music Series	yes	yes	yes	yes	12 American Political Thought	no
60	Choir	yes	yes	yes	yes	14 International Relations	no
64	Jazz Choir	yes	yes	yes	yes		
66	Community Chorus	yes	yes	yes	yes	PSYCHOLOGY	
69	Madrigal Ensemble	no	no	no	no	1 General Psychology	yes
70	College Band	no	yes	yes	yes	2 Current Issues In Psychology	,
72	Jazz Ensemble	yes	yes	yes	yes	5 Human Sexual Behavior	yes
75	Jazz Studies	yes	yes	yes	yes	10 Lifespan Human Developmen	
76	Community Orchestra	yes	yes	yes	yes	30 Personal & Social Adjustmen	
78	Ensemble: Instrumental Emph	n. no	no	no	no	35 Intro to Drugs & Behavior	yes
NAT	URAL RESOURCES					3	yes
1	Environmental Conservation	yes	yes	yes	yes	SEARCH & RESCUE	
3	Natural Resources Law/Policy		yes	no	yes	50 Low Angle Rope Rescue	yes
9	Parks and Forests Law	no	yes	no	no		
	Enforcement		,			SOCIOLOGY	
22	Ecology/Use of Fire	no	no	yes	no	1 Introduction to Sociology	yes
30	Intro to Watershed Mgmt.	no	yes	no	yes	 American Society: Soc. Prob. 	no
50	Natural History & Ecology	no	yes	no	yes	5 Ethnicity/Ethnic Relations	yes
50	. tatalai i listory & Ecology		, 03	.10	,	12 Sociology of the Family	yes
NAT	TIDAL DESAUDCES TO	.UNV	LOCY			28 Death & Dying	no
	URAL RESOURCES TEC					97 Work Experience	yes
155	Interpretive Guided Tours	no	no	no	yes		
60	Aerial Photography and	yes	no	yes	no		
01	Map Interpretation	no	1100	P.O	VOS		
181	California Wildlife	no	yes	по	yes		

0	URSE	2004 Fall	2005 Spr	2005 Fall	2006 Spr	CO	URSE	2004 Fail	2005 Spr	2005 Fall	2006 Spr
FF	ICE TECHNOLOGY										
5	Elec. Printing Calculators	yes	yes	yes	yes	100	NISH				
0	Machine Transcription	yes	yes	yes	yes	1A	Spanish: Beginning	yes	no	yes	no
0	Beginning Word Processing	yes	yes	yes	yes	1 B	Spanish: Beginning	no	yes	no	yes
1	Intermed. Word Processing	yes	yes	yes	yes	2A	Spanish: Intermediate	yes	no	yes	no
2	Desktop Publishing	yes	no	yes	no	2B	Spanish: Intermediate	no	yes	no	yes
0	Medical Terminology	yes	yes	yes	yes	1	5.5				
2	Medical Billing Code	no	yes	no	yes	SPE	ECH COMMUNICATION				
BA	Beg. Medical Transcription	yes	yes	yes	yes	1	Fundamentals of Speech	yes	yes	yes	yes
BB	Beg. Medical Transcription	yes	yes	yes	yes	2	Argumentation	yes	yes	yes	yes
4	Radiology Transcription	yes	yes	yes	yes	4	Human Communication	yes	yes	yes	yes
5	Cardiology Transcription	yes	yes	yes	yes	18	Voice Dynamics	no	no	yes	no
6	Orthopedic Transcription	yes	yes	yes	yes	19	Radio Drama	no	yes	no	yes
7	Gastroenterology Transcript.	yes	yes	yes	yes				,	200	,
8	Pathology Transcription	yes	yes	yes	yes	WEI	DING TECHNOLOGY				
7	Work Experience in Oftec	yes	yes	yes	yes	97	Work Experience in Welding	VOS	VOS	yes	yes
0	Computer Keyboarding II	yes	yes	yes	yes	100	Introduction to Welding	yes	yes no	yes	no
20	Computer Keyboarding III	yes	yes	yes	yes	101	Practical Laboratory	yes	yes	yes	yes
25	Records Management	yes	no	yes	no	110	Metallic/Tungsten Inert Gas	no	yes	no	yes
30	Business English	yes	no	yes	no	1110	Welding	110	yes	110	yes
31	Office Procedures	no	yes	no	yes	111	Adv. Arc Welding Techniques	no	VAC	no	VOS
32	Business Communications	no	yes	no	yes	1 111	Adv. Arc Welding Techniques	110	yes	no	yes
51	Medical Office Management	yes	no	yes	no						
0	Medical Office Internship	yes	yes	no	no						
HI	LOSOPHY										
1	Introduction to Philosophy	yes	yes	yes	yes						
4	World Religions/Spirituality	no	no	yes	no						
5	20th Century Philosophy	no	yes	no	yes						
Н١	'SICS										
1	Conceptual Physics	yes	yes	yes	yes						
À	Introductory Physics I: Trig	yes	no	yes	no						
В	Introductory Physics II: Trig	no	yes	no	yes						
Ā	Intro Physics I: Calculus	yes	no	yes	no						
В	Intro Physics II: Calculus	no	yes	no	yes						
OL	ITICAL SCIENCE						THE RESERVE OF THE PERSON NAMED IN	1	11	Sec.	

yes no

yes

yes yes

yes

no

yes

no

yes

yes

no

no no

yes

yes no no

yes no

yes

no

yes

no

yes

no

no

yes no

yes

yes yes

yes yes no

yes yes yes yes no

yes

yes

yes

no

no no yes



Date of appointment follows name

Li Ching Accurso (1995) (588.5378)

A.S., Contra Costa College B.A., M.F.A., University of California, Berkeley Fulbright Recipient, 1999

Dennis L. Albers (1985) (588.5138) Mathematics, Physics B.S., M.S., Ph.D., University of Nebraska

Erik Andal (1997) (588.5200) Automotive Technology A.A., San Joaquin Delta College B.V.E., California State University, Stanislaus M.A., California State University, Stanislaus

Shelley Attix (2001) (588.5205) Hospitality Management B.A., University of Wisconsin, Madison & Tourism M.A., George Washington University A.B.D., University of New Mexico, Albuquerque

Joshua E. Bigelow (1981) (588.5185) Health & Human A.A., Columbia College Performance B.A., M.A., University of California, Berkeley

Vonna Breeze-Martin (1990) (588.5274) Spanish B.A., M.A., University of Utah

Meryl Brooks (1994) (588.5225) English A.A., Fresno City College B.A., M.A., California State University, Fresno

Laureen Campana (2000) (588.5204) **Health Services** B.S.N., CSU, Sacramento Coordinator, M.P.H., University of California, Berkeley College Nurse N.P., CSU, Long Beach

Ross A. Carkeet, Jr. (1968) (588.5155) Biology, Forestry, A.A., Modesto Junior College Natural Resources B.S., University of California, Berkeley M.S., Humboldt State University

John R. Carter (1984) (588.5214) Music B.M., Chapman University M.M., Westminster Choir College

Paula Clarke (1999) (588.5356) Anthropology, Sociology B.A., University of California, Berkeley Ph.D., University of California, San Francisco

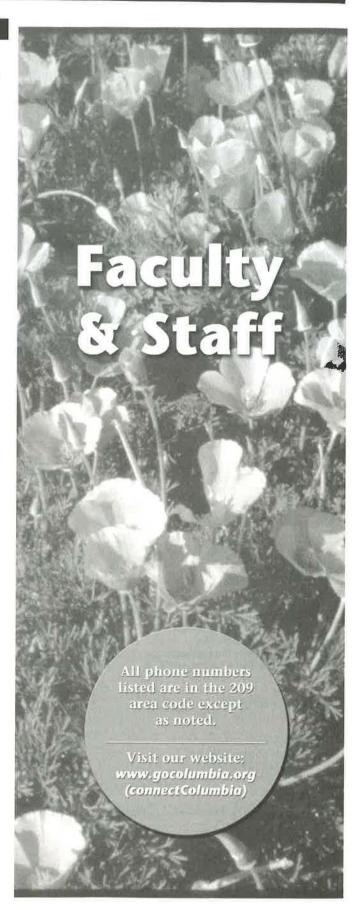
Certificate in Vocal Performance, Temple University

Melissa Colon (2001) (588.5092) Information Technology A.A., San Joaquin Delta College B.S., University of the Pacific

M.S., California State University, Hayward

Office Technology, Candace L. Daly (1979) (588.5216) B.A., M.A., Humboldt State University Work Experience Coordinator

Peter Daly (1999) (588.5186) **Emergency Medical Services/** A.S., Columbia College B.A., California State University, Stanislaus



Phyllis T. Greenleaf (1990) (588.5275) Child Development B.S., Tufts University, Massachusetts M.Ed., Harvard Graduate School of Education, Massachusetts

B.A., M.A., California State University, Stanislaus

Laurel M. Grindy (1990) (588.5147) Mathematics

Ted Hamilton (1998) (588.5227) Geography, History, A.A., Modesto Junior College Political Science B.A., University of California, Berkeley M.A., California State University, Stanislaus

Patricia Harrelson (1982) (588.5149) English B.S., M.A., California State University, Stanislaus M.F.A. Antioch University

Rod D. Harris (1979) (588.5211) Music A.A., Fort Steilacoom Community College B.A.E., M.M., Pacific Lutheran University Ph.D., University of North Texas

Michael N. Hill (1989) (588.5212) **Business Administration** A.A., Sacramento City College B.S., California State University, Sacramento M.A., California State University, Consortium Ph.D., Colorado State University

Jerry Hodge (1989) (588.5158) Biology B.S., Pepperdine University, Los Angeles M.A., University of California, Los Angeles

Health & Human **Terry J. Hoff** (1974) (588.5219) B.A., University of California, Berkeley Performance M.A., Mills College

Thomas Johnson (2000) (588.5215) Political Science B.A., University of California, Santa Barbara & History M.A., California State University, Stanislaus I.D., The American University, Washington, D.C.

Alicia Kolstad (2000) (588.5333) Counselor A.A., West Valley College B.A., M.A., California State University, San Jose

Douglas E. Kotarek (1974) (588.5217) Business, Economics B.S., M.B.A., Northern Illinois University

Maryl Landess (1992) (588.5175) Mathematics B.S., M.A., University of California, Davis

John Leamy (2000) (588.5164) Mathematics B.A., Loyola Marymount University M.A., University of Arizona

Raymond D. Liedlich (1981) (588.5237) English, Speech, B.S., Bowling Green State University **Humanities** M.A., California State University, Los Angeles

Paul W. Lockman (1981) (588.5132) Dean of A.A., Fresno City College Special Programs B.A., M.A., California State University, Fresno

Maria Madruga (2001) (588.5093) English B.A., M.A., University of Nevada, Reno

Jean Mallory (1990) (588.5125) Counselor A.A., Shasta Junior College B.A., California State University, Chico M.A., Chapman College

Lynn Martin (1996) (588.5206) Counselor, Transfer B.A., California State University, Center Coordinator San Francisco M.Ed., University of San Francisco M.A., University of La Verne

Morgan McBride (1991) (588.5184) Health & Human B.A., California State University, Stanislaus Performance M.Ed., Azusa Pacific University

Susan Medeiros (2000) (588.5110) Counselor, EOP&S/CARE B.A., University of California, Davis M.A., University of San Francisco

George Melendrez (1991) (588.5218) Fire Technology A.S., Chaffey College

Gary Mendenhall (1999) (588.5142) Dean of Instructional A.S., Modesto Iunior College Services, Occupational B.A., California Polytechnic State University, and Economic San Luis Obispo Development M.A., San Jose State University

Micha Miller (1997) (588.5241) B.S., Western Washington University M.S., Washington State University D.A., Idaho State University

Suzanne Patterson (1991) (588.5133) Learning Disabilities B.A., University of California, Berkeley M.A., University of the Pacific

Ida Ponder (1997) (588.5304) Computer Information Systems A.A., Columbia College B.S., California State University, Stanislaus M.B.A., LaSalle University

George Railey (2001) (588.5143) Dean of Instructional B.M.E., M.M.E., Eastern Kentucky University Services, Arts & Sciences

Jim Riggs (1997) (588.5115) President B.A., M.A., Eastern Washington University Ed.D., University of Southern California

Joseph Ryan (2002) (588.5151) Chemistry A.A. Chabot College B.S. San Francisco State University Ph.D. University of California, Davis

Katherine Schultz (2000) (588.5364) Computer Information B.A., California State University, Chico Systems M.S., California State University, Hayward

Raymond L. Steuben (1976) (588.5120) Librarian B.A., University of California, Santa Barbara M.L.S., University of California, Los Angeles

Ellen Stewart (1976) (588.5154) Drama, Speech B.A., San Francisco State University M.A., California State University, Fresno

Kathy Lynn Sullivan (2000) (588.5377) Child Development B.A., California State University, Stanislaus M.A., Pacific Oaks College

Laurie Sylwester (2000) (588.5341) Art A.A., Columbia College B.A., M.A., California State University, Stanislaus



Biology



Jeffrey W. Tolhurst (1996) (588.5235)	Earth Science, GIS
B.A., University of California, Santa Barbara	
M.S., Humboldt State University	
Ph.D., University of South Carolina	

James M. Toner (1996) (588.5226) English B.A., Boston College

M.A., University of California, Berkeley

Andrew Vasher (1998) Health & Human B.S., Northern Arizona University Performance M.S., United States Sports Academy

Bill Wilson (1974) (588.5228) Psychology, Guidance A.A., Solano College

B.A., San Jose State University
M.S., California State University, Hayward

David E. Alford

Gene Womble (1997) (588.5135) Hospitality Management, A.S., City College of San Francisco Coordinator, Hospitality B.A., California State University, Stanislaus Mgmt. Program

Faculty Emeriti

Humanities, Philosophy

David E. Alloid	riumaniues, Philosophy
Jackie D. Appleton	(1989-2000) Coordinator, Child Development
Paul K. Becker	(1990-1993) Dean of Student Services
	(1971-1987)
Elsie M. Bruno	Counselor, Articulation Officer
Dale L. Bunse	(1980-2000) Art
Innet M. Carty	(1975-2000)
Janet M. Carty	Business, Office Occupations 1984-2003
L. Frances Cullen	Psychology, Counselor, Student Activities (1971-1983)
W. Dean Cunningha	
Dishaud I. Daw	(1979-1992)
Richard L. Dyer	History, Political Science (1969-1991)
Margo Elliott	Psychology
Maria - C P	(1991-2004)
Marion C. Evans	Health Occupations (1968-1983)
McKinley Frost	Welding Technology (1970-1985)
Delores A. Hall	College Nurse
Frances V. Hegwein	(1987-1999) Health Occupations
Tom G. Holst	(1974-1985)
10111 4. 110152	Earth Science, Computer Science (1974 -1996)
Floyd L. Hopper	Counselor
Robert H. Glbson	(1976-1988)
ROBERTI. GIBSON	Physical Education (1970 -1993)
Kathryn E. Jeffery	Vice President (1994-2004)
Thelma A. Jensen	Health Occupations
Ismas D. Kindle	(1968-1984)
James R. Kindle	Learning Skills (1974-1990)
Walter L. Leineke	Assistant Dean of Instruction
	(1968-1991)

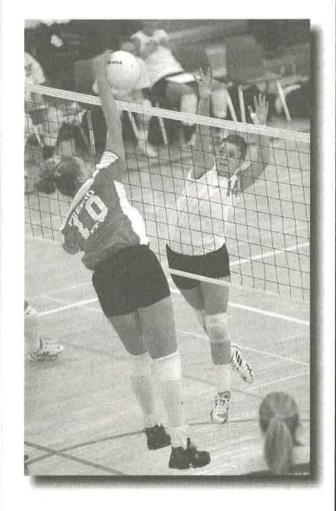
Jerry D. Lyon	Business
James R. Mendonsa	(1971-1984)
James K. Mendonsa	Search & Rescue, Speech (1981-2004)
John C. Minor	English
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(1970 -1993)
Barbara C. Painter	Counselor
	(1969 -1980)
Chester H. Palmer	English, Speech
	(1976-1989)
Fred J. Petersen	Computer Science
	(1981-1999)
David G. Purdy	Drama, English, Speech
Alan Ramsaran	(1971-2004)
Alan Kamsaran	Counselor
Harvey B. Rhodes	(1988 - 2002)
rial vey B. Kiloues	President (1967-1979)
Blaine D. Rogers	Biology
	(1972-2004)
Richard H. Rogers	Business
3	(1968-1982)
John R. Ross	Health Education, Health Occupations,
	Search and Rescue (1970-1987)
Peter Shkabara	Computer Science
	(2000-2004)
V. Peter Sullivan	Physical Education, Athletic Director
	(1961-1992)
David I. Willson	Vice President of Instruction
	(1975-2004)
Clarence O. Wolgamo	
	(1971-2001)

Classified Staff

Classi	neu stan
Date of appo	intment follows name
Kandee Alton (1999)	Account Technician I, Hospitality Management
Sherryl A. Bahten (1975)	Manager, Auxiliary Services
Linda M. Baker (2002)	Support Staff II, Instruction Office
Merlin Bart (1984)	Lab Assistant II, Auto Technology
Doreen Bass (1991)	Lab Assistant II, Biology
Koni Bicknell (2002)	Administrative Secretary, Dean
	nstructional Services, Arts & Science
Preston Birdwell (1998)	Manager, Fire Station
Lonnie Blansit (1997)	Laboratory Assistant II,
	Computer Science
Darin Blume (2000)	Maintenance II
	aboratory Assistant III, Mathematics
Ryan Brady (1999)	Electronic Technician
Nancy M. Brooks (1982)	Library Media Technician III
Tammie Brumlow (2003)	Custodian
Angela Brunton (2000)	Child Care Center Master Teacher
Cindy Buie (2004)	Bookstore Operations, Lead
Nancy Bull (1996)	Account Technician II
Karyn Calhoun (2000)	Custodian
Larry Carter (2002)	Security Officer
Conl Chavez (2002)	Administrative Assistant, President
David Chesnut (2000)	Program Representative III
Sue Clark (2000)	Program Representative, CCCAE
Chuck Cooper (2000)	Maintenance III, Carpenter

Doug Cromwell (2001) **HVAC** Technician Linda Cross (2001) Support Staff II Elleen Cupit (1996) Custodian **Chrys Day** (2001) Instructional Assistant II Kathy Diener (1998) Child Care Master Teacher Maintenance I Ben Dorsett (2001) **Greg Elam** (1997) Campus Security Officer, Lead Phillip Fish (2000) Campus Security Officer Matt Folsom (2003) Campus Security Officer Steven Frost (1979) **Custodial Crew Chief** William J. Gaiser (1970) Mechanic III Vickie Garrett (2001) Instructional Assistant II, Business Administration & Computer Lab Heather Gillis (2004) Instructional Assistant II, AAC Doris 1. Goldson (1970) Administrative Secretary, Technology and Library Robert Gritz (1998) Account Technician II Frederick Grolle (1989) **Electronics Specialist** Executive Secretary, Lanai Hallmeyer (1999) Vice President Sue Ellen Harwood (2000) Director, Community Outreach & Columbia College Foundation Ina Heinrichs (2001) Secretary I, Instructional Materials Center Rickee Hill (2003) Admissions & Records, Technician III Terri Isaman (2002) Administrative Secretary, Administrative Services Cass Larkin (1998) Financial Aid Accountant **Doug Lau** (2000) Director of Marketing & Public Relations Wendy Link (1984) Technician, Media Services Joyce Lopez (2002) Support Staff II Facilities Marnie Love (2000) Financial Aid Technician II Nicky Lowitz (2002) Support Staff II, Community Outreach, **Development Services and Public Information** Timothy Mann (1983) Athletic Equipment Technician & Instructional Assistant II Kelley Marshall (2002) Alternate Media Access Technician Andrew B. Maurer (1974) Graphic Artist, Instructional Materials Center Sandra McCracken (2002) Admissions & Records Technician I Connie Mical (1991) Director, Administrative Services Addle Minners (1989) Support Staff II, Health & Human Performance Shelley Muniz (2002) Library Media Technician III

Jessie Pearson (1992) Reprographic Operator III, Instructional Materials Center Charles Rice (1997) Laboratory Assistant II Hospitality Management Karin Rodts (1989) Laboratory Assistant I, Disability Services Cindy Rose (2004) Support Staff II, Student Services Liz Rumney (1998) **Bookstore Buyer** Steven Shively (1987) Maintenance II Kathleen Smith (1984) Director of Student Success/ Matriculation **Cynthia Taylor** (2000) Food Services Specialist Susan Vegter-Slape (2001) Executive Secretary, Instruction Office Linda Watkins (2001) Support Staff II, **Student Services Adrlenne Webster** (1998) Child Care Center Manager Rinné West (1990) Admissions & Records Technician II Karen Yacovetti (1995) Instructional Assistant II, Health & Human Performance



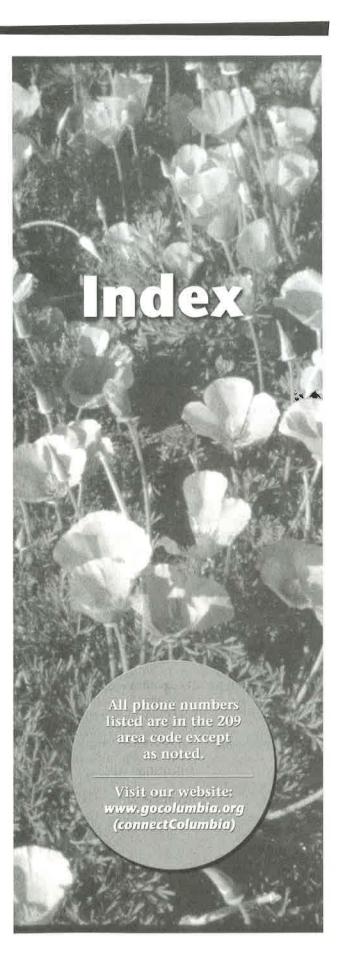
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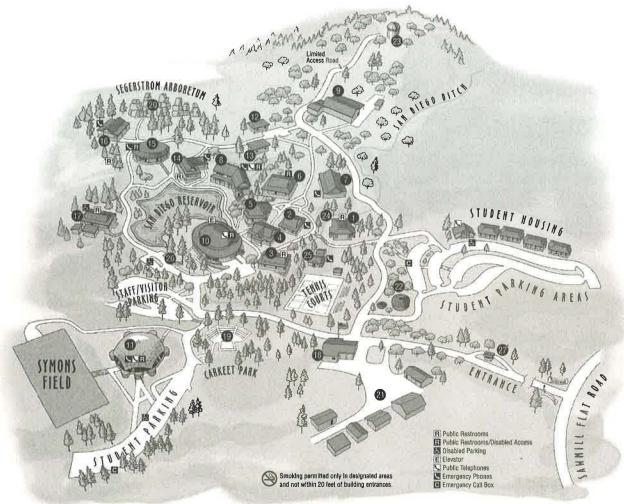
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Columbia College Campus



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- 1) Alder, Rms, 3-5
- 2) Aspen. Rms. 1-5
- 3) Buckeye, Rms. 1-5
- 4) Cedar, Rms. 1-10
- 5) Dogwood (Forum Bldg.), Rm. 1
- 6) Fir, Rms. 1-8
- 7) Juniper, Rms. 1-7 (College Nurse)
- 8) Tamarack Hall (Library, Media/Technology), Rms. 101-218
- 9) Madrone (Auto & Welding Technology). Rms. 1-2
- 10) Manzanita, Rms. 2-104 (Administration, Student Services, Instruction Office, Manzanita Bookstore, The Cellar Restaurant &
- 11) Oak Pavilion, Rms. 1-27
- 12) Ponderosa (Child Development
- 13) Pinyon (Toddler Center)
- 14) Redbud, Rms. 1-14
- 15) Sequoia, Rms. 1-11
- 16) Toyon, Rms, 1-4
- 17) Willow (Creative Arts), Rm. 1

- 18) Fire Department (Tuolumne County Fire Station 79), Rms. 1000-1001
- 19) Charles Segerstrom, Jr. Memorial Amphitheater
- 20) Segerstrom Arboretum Nature Trail
- 21) Warehouse, Shipping/Receiving, Transportation & Maintenance
- 22) Mi-wok Cultural Center
- 23) Observatory
- 24) Start Point, Fitness Jogging Trail
- 25) Security Office (Davis Cabin)
- 26) Transit Stop
- 27) Information/Toll Booth





Sonora, CA 95370 11600 Columbia College Drive Admissions & Records Office

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