GLENDALE COMMUNITY COLLEGE

Glendale Community College was founded in 1927 to serve the needs of the people in the Glendale Union High School District which included La Crescenta, Glendale, and Tujunga. The school was founded as Glendale Junior College and from 1927 to 1929 conducted classes in the buildings of Glendale Union High School at Broadway and Verdugo in the City of Glendale. In 1929 the junior college moved to the Harvard School plant of the Glendale Union High School District where it remained until 1937. In this year a new plant, part of the present one, was completed and occupied. The year before, in 1936, the Glendale Junior College District was dissolved as such and became a part of the new Glendale Unified School District. The name of the school was changed to Glendale College in 1944. On July 1, 1970 Glendale College became a part of the Glendale Junior College District. On April 20, 1971 the Board of Education adopted a resolution changing the District name to Glendale Community College District.

On November 3, 1980, Glendale voters approved a measure to establish separate Boards. In April 1981, the new members were added to the Board. The separation resulted in the creation of a Board of Trustees solely responsible for the governance of the Glendale Community College District.

In 1936 twenty-five acres were acquired for the present site of the college. The campus now consists of 100 acres and 15 permanent buildings. It is beautifully located on the slopes of the San Rafael Mountains overlooking the valleys in the Glendale area.

Glendale Community College has a college-credit enrollment of about 14,000 day and evening students, and approximately 10,000 others are reached through the adult education program, specialized job training programs such as JTPA and GAIN, and contract instruction administered by the Professional Development Center.

WE’re GROWING WITH YOU...

Glendale Community College has served Glendale and the surrounding areas since 1927, providing quality academic and career education.

The college is now implementing a carefully designed plan to increase facilities as well as renovate and upgrade existing structures.

The Campus Development Committee (CDC) has planned all construction and remodeling to integrate functions, improve traffic flow and retain and emphasize the original Spanish architecture and unusual design features that could never be replaced.

Construction began with six tennis courts, including one tournament court with bleachers, and new parking lots that include the first-ever on-campus student parking.

The San Rafael Building was erected on the site of the old tennis courts. It centralizes student services such as counseling, financial aid, placement, transfer center and student health center. It also provides expanded instructional data processing facilities and computer-assisted instruction laboratories, additional classrooms, faculty offices, and a multi-media lecture hall with satellite closed-circuit TV downlink.

A new Adult Education Training Center facility in the south Glendale area serves residents of the south-central area interested in English as a second language, office skills instruction, and other non-credit programs previously offered in temporary buildings and rented spaces throughout the area.

The Child Development Center (CDC) was constructed on the upper eastern part of the campus off Mountain Street. It houses programs for instruction in early childhood training and parenting, and a day care facility.

Remodeling of the Administration Building was finished in the fall of 1990 and the renovation of the Auditorium Building was completed in the fall of 1992.

Additionally, the college has added more student and staff parking on the northeast hill, plus a perimeter road linking Verdugo Road and Mountain Street to improve the flow of campus traffic and provide emergency vehicle access to the eastern portion of the campus.

The new Advanced Technology Center opened in the Spring of 1995. The Library/Classroom addition and San Gabriel Building were completed the spring of 1997 as was the Parent Education/Human Development Building adjacent to the Child Development Center.

Work on the Aviation/Arts Building addition will begin this year, and the Student Union/Bookstore/Campus Center project should be open in the fall of 1999. The science buildings remodel and the Allied Health/Aviation Lab Building addition are slated for 2002 and 2004. Future plans also include indoor/outdoor physical education facilities, a music wing addition/remodel of the Auditorium Building, and a Culinary Arts Building.

Glendale Community College reserves the right to modify its programs, tuition and fees, admission and graduation requirements, schedules and other policies, procedures and regulations stated in this catalog without notice. This catalog does not constitute a contract between the student and the college.
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COLLEGE ADMINISTRATION

BOARD OF TRUSTEES
Mary N. Hamilton
Robert K. Holmes
Victor I. King
Dr. Martin Z. Pilgreen
Dr. Kenneth N. Sweetnam

ADMINISTRATIVE CABINET
Superintendent/President .................................................. John A. Davitt
Executive Vice President, Instructional Services .................. J. Christopher McCarthy
Vice President, Administrative Services .............................. Lawrence Serot
Vice President, College Services ........................................ Nancy Knight
Dean, Admissions and Records ............................................ Gary W. Parker
Dean, Career Education/Economic Development ..................... Kenneth W. Patton
Dean, Information and Technology Services ......................... Kristin J. Bruno
Dean, Letters, Arts, and Sciences ....................................... Veloris Lang
Dean, Library and Learning Resources ................................. Janet Noll Naumer
Dean, Non-Credit Education ............................................. Lanil Edie DeVincentis
Dean, Student Services ................................................... Jewel D’Aloia Price
Director, Human Resources ............................................... Vicki Nicholson

ADMINISTRATIVE OFFICERS
Associate Dean, Allied Health ............................................ Sharon Hall
Associate Dean, Disabled Student Program and Services .......... Joy V. Cook
Associate Dean, Evening College ....................................... Scot L. Spicer
Associate Dean, Extended Opportunity Program and Services (EOPS) ........................................ Vicki Washington
Associate Dean, Health Services ......................................... Mary Mirch
Associate Dean, JTPA/Gain ............................................... Karen B. Holden
Associate Dean, Special Projects ........................................ W. James Baugh
Associate Dean, Student Activities ..................................... Paul A. Schlossman
Associate Dean, Student Financial Aid Services .................... Patricia Hurley
Director, Professional Development Center .......................... Sharleen Wagner
Executive Director, Glendale College Foundation .................... Ann H. Ransford

SUPPORT SERVICES STAFF
Accounting ................................................................. Ronald K. Nakasone ....................... Controller
Admissions and Records .................................................. Margaret J. Axelson .................... District Accountant
Business Services ......................................................... William Taylor .......................... Director
Cafeteria ................................................................. Candice Walker ....................... Manager
Child Development Center .............................................. Linda Manzano-Larsen ............. Director
Facilities ................................................................. Horace Lewis .......................... Director
Grounds ................................................................. Alfred Martin ....................... Facilities Supervisor
Human Resources ............................................................. Charles Easley ............... Supervisor
Information and Technology Services ................................. Ed Bugayong ....................... Manager
Institutional Research ....................................................... David Roswell ............ Assistant Director
Library ................................................................. Scott L. Spicer ....................... Network Systems Manager
Institutional Research ....................................................... David Mathews ............... Director
Library ................................................................. Russell Beckett ............... Library Public Service Manager
Media Center ............................................................... Michael F. Coler ....................... Manager
Payroll ................................................................. Jean Antanaitis ....................... Supervisor
Police ............................................................... Michael Southerland .................. Chief
Police ............................................................... Steven Wagg....................... Captain
Public Information .......................................................... Merry Shelburne .............. Public Information Officer
Student Employment ........................................................ Mirta Lorenzo ............... Manager
Superintendent/President ................................................ Magda von Tauphoeus .......... Secretary to the Superintendent/President
COLLEGE ADMINISTRATION
(Continued)

PROFESSIONAL DEVELOPMENT CENTER

Director .................................................................Sharlene Wagner
Program Manager I, CACT Director ...........................................Claudia Hess
Program Manager II .....................................................Shelley Bowers
Program Manager II .....................................................Karen Herberts
Program Manager II .....................................................Kimberly Pfeifer

DIVISION CHAIRS

Allied Health .............................................................Sharon Hall
Biology ..................................................................Ronald K. Harlan
Business ................................................................Deborah Ludford
Business and Life Skills, Non-Credit ..................................Jillayne Southerland
College Services ..........................................................José Mercadé

English as a Second Language,
  Credit .................................................................Kathleen Flynn
  Non-Credit ..........................................................Barbara Assadi
Health and Physical Education .........................................James M. Sartoris
Language Arts ................................................................David B. White
Mathematics ................................................................Steven P. Marsden
Physical Science ...........................................................Stuart Nowinski
Social Sciences .............................................................Drake C. Hawkins
Technology and Aviation ................................................Frances Shaw
Visual and Performing Arts ...............................................Kathleen Burke-Kelly
### 1998-99 CALENDAR

#### FIRST SUMMER SESSION 1998
- **May 11 to 15**: Priority telephone registration (STARS) for first and second summer sessions
- **May 18 to 28**: Late telephone registration for first and second summer sessions
- **May 28**: Walk-through registration for first and second summer sessions
- **May 31**: Residency determination date for the 1998 summer session
- **June 1**: Instruction begins for the first summer session
- **June 1 to 5**: Late registration for first summer session
- **June 5**: Last day to drop a first summer session class or withdraw from the college without record of enrollment
  - Last day to drop units and be eligible for a refund of the enrollment fees
  - Refunds must be requested by the student between June 8 through 12
- **June 9**: Last day to apply for Credit/No Credit in a first summer session class
- **June 17**: Last day to drop a summer session class
- **July 2**: End of first summer session
- **July 2**: Petitions for graduation and/or certificate for summer session due in Admissions and Records
- **July 3**: Independence Day Observed—Legal Holiday

#### SECOND SUMMER SESSION 1998
- **May 11 to 15**: Priority telephone registration (STARS) for first and second summer sessions
- **May 18 to 28**: Late telephone registration for first and second summer sessions
- **May 28**: Walk-through registration for first and second summer sessions
- **June 8 to July 2**: STARS for second summer session only classes
- **July 2**: Walk-through registration for second summer session
  - (8 a.m. to 12 noon)
- **July 3**: Independence Day Observed—Legal Holiday
- **July 6**: Instruction begins for the second summer session
- **July 6 to 10**: Late registration for the second summer session
- **July 10**: Last day to add second five week summer session class
- **July 10**: Last day to drop a second summer session class or withdraw from the college without record of enrollment
- **July 10**: Last day to drop units and be eligible for a refund of the enrollment fees
  - Refunds must be requested by the student between July 13 and 17
- **July 14**: Last day to apply for Credit/No Credit in a second summer session class
- **July 22**: Last day to drop a second summer session class
- **July 22**: Petitions for graduation and/or certificate for summer session due in Admissions and Records
- **August 7**: End of second summer session
1998-99 CALENDAR

FALL 1998

June 8 to 24 .................. Priority telephone registration for the fall semester
June 24 to Aug. 14 .......... Late telephone registration for the fall semester
Aug. 14 .................... Walk-through registration for the fall. Late telephone registration continues through August 21
Aug. 17 ..................... Faculty Institute Day
Aug. 17 ..................... Residence determination date for the fall semester
Aug. 18 ..................... Instruction begins for the fall semester
Aug. 18 to 21 ............... Late registration
Aug. 21 ..................... Last day to add open classes without permission of the instructor
                          Last day to add first 8 or 9-week classes
                          Last day to drop first 8 and 9-week classes without record of enrollment
Aug. 25 ..................... Last day to apply for Credit/No Credit in a first 8-or 9-week class
Aug. 28 ..................... Last day to drop a semester-length class or withdraw from the college without record of enrollment
                          Last day to drop units and be eligible for a refund of enrollment fees. Refunds must be requested by the student from August 31 through September 11
Sept. 4 ..................... Registration Deadline. Last day for students to register in semester-length classes.
Sept. 7 ..................... Labor Day—Legal Holiday
Sept. 8 ..................... First deadline for students to submit a preliminary petition for graduation for the end of the spring 1999 semester. Students who petition by this deadline will find out the requirements which they are missing by November 16 when telephone registration for the spring semester begins
Sept. 11 .................... Last day to apply for Credit/No Credit in semester-length classes
Sept. 18 .................... Last day to drop first 8 and 9-week classes
Oct. 10 ..................... First 8-week classes end
Oct. 16 ..................... Last day for new students to apply for admissions and be eligible for priority telephone registration for the spring semester
Oct. 17 ..................... First 9-week classes end
Oct. 19 ..................... Second 8 and 9-week classes begin
Oct. 23 ..................... Last day to drop a semester-length class
                          Last day to drop a second 8 or 9-week class without record of enrollment and be eligible for a refund. Refunds must be requested between October 26 through 30
Oct. 27 ..................... Last day to apply for Credit/No Credit in second 8 or 9-week class
Nov. 13 .................... Veterans' Day Observed—Legal Holiday
Nov. 16 to Dec. 4 .......... Priority telephone registration for the spring semester
Nov. 20 ..................... Last day to drop second 8 and 9-week classes
Nov. 26 to 27 ............... Thanksgiving Holidays
Dec. 7 to 18 ............... Late STARS registration for the spring semester
Dec. 11-18 .................. Final examinations for the fall semester
Dec. 18 ..................... End of the fall semester
                          Final petitions for graduation and/or certificates for the fall semester due in Admissions and Records
Dec. 21 to Jan. 2 .......... Winter vacation. (Campus closed)
1998 CALENDAR

SPRING 1999

Nov. 16 to Dec. 11 .......... Priority telephone registration for the spring semester
Dec. 14 to 18 .......... Late telephone registration for the spring semester
Jan. 7 .......... Walk-through registration for the spring semester. Late telephone registration continues through January 15
Jan. 10 .......... Residence determination date for the spring semester
Jan. 11 .......... Instruction begins for the spring semester
Jan. 11 to 15 .......... Late registration
Jan. 15 .......... Last day to add open classes without permission of instructor
Last day to add first 8 or 9-week classes
Last day to drop first 8 and 9-week classes without record of enrollment
Jan. 18 .......... Martin Luther King Day—Legal Holiday
Jan. 19 .......... Last day to apply for Credit/No Credit in first 8 or 9-week class
Jan. 22 .......... Last day to drop a semester-length class without record of enrollment
Last day to drop units and receive refund of enrollment fee. Refund requests must be made by the student from January 25 through February 5.
Jan. 29 .......... Registration deadline. Last day to register or add a semester-length class.
Feb. 1 .......... Petitions for graduation at the end of the spring semester due in the Office of Admissions and Records. First deadline for students to submit preliminary petitions for graduation at the end of summer 1999 or fall 1999. Students who petition by this deadline will find out the requirements which they are missing by the beginning of telephone registration for the summer.
Feb. 5 .......... Last day to apply for Credit/No Credit in semester-length class
Feb. 11 .......... Last day to drop first 8 or 9-week classes
Feb. 12 .......... Lincoln Day—Legal Holiday
Feb. 15 .......... Washington Day—Legal holiday
Mar. 6 .......... First 8-week classes end
Mar. 13 .......... First 9-week classes end
Mar. 15 to 20 .......... Spring vacation
Mar. 22 .......... Second 8-and 9-week classes begin
Mar. 26 .......... Last day to drop a semester-length class
Last day to drop second 8 and 9-week classes without record of enrollment and be eligible for a refund
Mar. 30 .......... Last day to apply for Credit/No Credit in second 8 and 9-week classes
April 2 .......... Last day for students to apply for admission and be eligible for telephone registration for summer
April 16 .......... Last day for students to apply for admission and be eligible for telephone registration for fall
April 23 .......... Last day to drop second 8 and 9-week classes
May 10 to 14 .......... Priority telephone registration for summer 1999
May 12 to 19 .......... Final examinations for the spring semester
May 15 .......... Second 8-week classes end
Commencement exercises
May 19 .......... Second 9-week classes end
End of the spring semester
May 31 .......... Memorial Day—Legal holiday
June 7 to July 18 .......... Priority telephone registration for fall 1999
GENERAL INFORMATION

MISSION STATEMENT

Glendale Community College is a comprehensive public community college open equally to all adults or high school graduates who can benefit from its programs and services.

Its primary mission is to prepare students for successful transfer to four-year colleges and universities or for successful placement or advancement in rewarding careers. Its mission is also to serve its surrounding community through adult non-credit education and community services courses and programs.

As part of this mission, Glendale Community College considers the following to be particularly important:

• to provide a rich and rigorous curriculum that helps students understand and appreciate the artistic and cultural heritage of this society, the history and development of civilization, the scientific environment in which they live, and the challenges of their personal lives;

• to emphasize the coherence among disciplines and promote openness to the diversity of the human experience;

• to help students develop important skills that are critical for success in the modern workplace, such as verbal and written communication, numeracy, effective use of technology for work and research, information analysis and evaluation, problem solving, and the ability to work with others and conduct their lives with responsibility;

• to provide an extensive array of student services and learning tools, including state-of-the-art technology, to assist students in all aspects of their college experience.

For this purpose Glendale Community College maintains a supportive, non-discriminatory environment which enables students to reach their educational goals in an efficient and timely manner.

OBJECTIVES AND FUNCTIONS

Pursuant to its stated mission, Glendale Community College has one objective: education.

Six primary functions support this objective.

a. Associate in Arts/Associate in Science: Education toward the granting of AA/AS degree(s) is provided in accordance with approved graduation requirements. General education and major coursework form the core of the required curriculum, the balance being electives.

b. Education for meeting the lower division requirements of a university or a four-year college. The college offers many courses which are equivalent to those available in the freshman and sophomore years at the University of California, The California State University and other colleges and universities in the United States. A student with a satisfactory high school and community college record will receive full credit for all college and university level work done at Glendale Community College provided that the work meets the specific requirements of the college or university to which the student transfers.

c. Education beyond the high school level for vocational competence and/or occupational certification: Training programs are offered for many occupations in business and industry. Certificates are awarded upon completion of the requirements for the occupation-centered curriculums. Courses offered in these programs serve three groups of students: those training for entry-level positions; those preparing for advancement on the job; and those seeking to improve skills to meet new job requirements. Thus, students are offered a balance of technical and general education.

d. Pre-Collegiate Basic Skills: Educational programs prepare students for collegiate level work. Courses are designed to provide the student with basic skills instruction with emphasis on speaking, listening, reading, writing and computation.

e. Education beyond the secondary level for personal improvement: Recognizing the needs of post-secondary students for education which may lead neither to education in a higher institution nor to vocational preparation, Glendale Community College offers a diversity of courses which satisfy intellectual curiosity and provide knowledge about and appreciation of our diverse cultural heritage.

f. Non-Credit/Adult Education level: A comprehensive program includes basic education, courses leading to the high school diploma, citizenship, English as a second language, career and vocational classes, and courses that satisfy the many special interest needs of the community.

PROGRAMS AND SERVICES

A variety of programs and services implements and supports the objectives and functions stated above.

a. Counseling: Counseling services are available to help students have a successful college experience. Counselors are available to assist students in dealing with concerns related to many aspects of their lives, including academic planning, career decision-making, life planning and personal and intra-personal concerns. Counselors provide a climate in which students make thoughtful, independent, decisions for educational and vocational goals. Working through individual interviews with students, small and large groups, and college orientation classes, they help students to become aware of their capabilities and to plan appropriately. A number of specialized counseling service centers are available on campus. These centers include Academic Counseling, EOPS, DSPS, Career Center, Transfer Center, Adult Re-Entry Center, Admissions & Records Office and the International Student Office.

b. Health Services: The Health Center provides first aid, primary health care, crisis counseling, health counseling, information and referral services.
c. **Basic education:** Students with specific learning problems or with grade or subject deficiencies in their high school record may make up such deficiencies and enter into a program leading to an A.A. degree and, if desired, to upper division standing at a four-year institution.

d. **Refresher education:** Members of the community have the opportunity to refresh, as well as to update their knowledge in classes offered at Glendale Community College.

e. **Continuing education:** Persons wishing late afternoon or evening classes may enroll in the Evening College program. Evening College courses parallel and expand the daytime offerings. The college also offers classes on Saturdays.

f. **General education for all members of the community:** The college offers wide and varied curriculum designed to promote the following objectives:

1. Development of communication and computational skills which form a base for training in critical thinking as exemplified in drawing sound conclusions from premises, making relevant judgments, and discriminating among values.

2. Knowledge of the cultural heritage as the accumulated record of the development of mankind.

3. Appreciation for aesthetic expression, excellence, and creativity as major values.

4. Foundation in knowledge, attitudes, and skills necessary for occupational employment.

5. Cultivation of habits which are essential to physical and emotional growth, citizenship, and societal responsibilities.

6. Development of an awareness of the influence of such environmental problems as population growth, land-use, and pollution on the quality of life through field observation and other experiences.

f. **Adult education:** A varied adult education program including high school diploma subjects, English as a second language, citizenship, parent preschool education, retirement seminars, and office skills, is offered by the Non-credit Education office.

h. **Community services:** The college also offers a fee-based program designed to provide public service in a wide variety of avocational, recreational, self-improvement and other career development subjects. None of these courses are offered for college credit. If you have received a traffic ticket, Traffic Violators School is held both weekends and weekdays.

i. **Education for creative use of leisure time:** The college encourages students to develop skills and an appreciation for creative use of leisure time.

j. **Preparation for the future:** The college urges students to become more sensitive to world crises created by a burgeoning population and by the increasing demands of people and nations upon resources. Students learn to approach these crises through the scientific method of the natural sciences and through the combined methods of the humanities and social sciences and co-curricular programs. It is important for students to realize that the structure of human society is changing and that new and different technologies will affect the transition.

k. **Services to meet the unique needs of ethnic-minority students:** The college is committed to cultural diversity within its student body achieved by recruitment of resident Americans of various national origins and by the acceptance of a significant number of foreign-visa students. Meeting the needs of these students realistically is an important function of the college.

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**ACCRREDITATION**

Glendale Community College is fully accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges, (3402 Mendocino Avenue, Santa Rosa, CA 95403 (707) 569-9177), an institutional accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation and the U.S. Department of Education, and approved under the regulations of the California State Department of Education and the California Community Colleges.

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**ADVISORY COMMITTEES**

Glendale Community College seeks advice about the programs and goals of the institutions. Individual citizens representing organizations, interests, and specific programs contribute their time to ensure that the college is meeting student, industry, and community needs.

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**ALCOHOL/DRUG ABUSE NOTIFICATION**

The college is committed to achieving and maintaining a campus community that fosters personal and institutional excellence and strives to provide conditions under which the work of the college can proceed freely, with the highest standards of quality and institutional integrity. The harmful effects of substance abuse diminish the quality of our campus life.

To assist in achieving a campus free from the problems of substance abuse, the college has adopted policies prohibiting the unlawful manufacture, sale, distribution, possession, or use of controlled substances and alcohol on all college properties or at official functions, both on or off-campus. Any member or group of the campus community violating these policies and regulations will be subject to disciplinary action.

**Prohibitions, Sanctions and Penalties**

Community College District District Administrative Regulation 5420 prohibits the:

"Use, possession, or distribution of narcotics, other legally controlled substances, or alcoholic beverages except as expressly permitted by law and Glendale Community College regulations."

Presence on campus or at a college-sponsored function while under the influence of narcotics, other legally controlled substances, or alcoholic beverages except as expressly permitted by law and Glendale Community College regulations."
A violation of the provisions of this policy, and/or relevant local, state, or federal law which prohibits the use, possession or sale of alcohol or other controlled substances may result in the imposition of specific sanctions as identified within the Standards of Student Conduct (Administrative Regulation 5420). These sanctions or penalties include a verbal warning, a written reprimand, disciplinary probation, summary suspension, disciplinary suspension or expulsion.

**Legal Sanctions**
Numerous Federal, State and local statutes and ordinances, which may change over time, relate to the manufacture, distribution, possession, or use of a controlled substance or alcohol and impose legal sanctions for both felony and misdemeanor convictions for violations. Drugs considered to be controlled substances are listed in Schedules I through V of the Controlled Substances Act (29 U.S.C. 812) and are further defined by Regulations 21 CFR 1308.11 through 1308.15.

Drug-related penalties include the following:
- Simple possession of controlled substances: civil fines of up to $10,000 per violation, jail sentence, and denial of Federal benefits
- Manufacture, sale or distribution of all scheduled drugs: prison sentence for a FELONY
- Distribution or possession with the intent to distribute a controlled substance on college property: up to TWICE the prescribed sentence for the original offense and TWICE the prescribed parole time (required)
- Possession of one or more ounce(s) of marijuana for personal use: fine or jail time for a misdemeanor
- Possession of less than one ounce of marijuana: fine of up to $100
- Cultivation, possession for sale, or sale of marijuana: FELONY

In addition, it is a misdemeanor to sell, furnish, give, or cause to be sold, furnished or given away, any alcoholic beverage to a person under 21 or any obviously intoxicated person, and no one under 21 may purchase alcoholic beverages. It is also unlawful for any person under 21 to possess alcoholic beverages on any street or highway, or in any place open to the public.

**Health Risks Associated with Alcohol and Drug Abuse**
The abuse of alcohol and drugs can produce intoxication and physical symptoms such as hangovers, blackouts, impaired motor function, damage to the liver, stomach, intestine, cardiovascular system, brain and neurological systems, addiction and death. Alcohol and drugs are not only toxic to the body, but may also result in the transmission of infections associated with intravenous drug use such as HIV and hepatitis. Pregnant women risk fetal damage and birth defects including hyperactivity, neurological abnormalities, and development difficulties.

In addition to the above problems, the use of these substances can cause severe family, social and psychological problems, as well as intellectual impairment which may be permanent. Abuse of alcohol and drugs is a major cause of serious and fatal traffic accidents; alcohol-related accidents are the number one cause of deaths for persons aged 15-24. Chemical dependency is a disease that, if not arrested, is fatal.

**Educational Program and Assistance—Where to Get Help**
A list of “Chemical Dependency and Substance Abuse Referral Resources/Agencies,” as well as additional information on chemical dependency and substance abuse is available from the Health Center on the first floor of the San Rafael Building. If you have any questions regarding the college policies and regulations, please contact the Student Activities Office in the Campus Center.

**ALUMNI ASSOCIATION**
The Glendale College Alumni Association was established in 1988 as an organization of people who desire to serve and support Glendale Community College.

It is the purpose of the Glendale College Alumni Association to develop stronger relationships between friends and former students, and to support and promote the goals, activities, and interests of Glendale Community College. The association fosters an awareness of Glendale Community College educational, cultural, and athletic events, including seminars, lectures, theatrical productions, concerts, musicals, dance, art festivals and sporting events. It is the goal of the Association to develop a spirit of friendship, communication and cooperation among the alumni through its newsletters, reunions and other social and community service activities. The association supports and assists the Glendale College Foundation in its efforts to promote excellence and a superior scholastic environment.

The Glendale College Alumni Association provides the vehicle to stimulate this support and to keep the community, alumni, and friends of Glendale Community College aware and involved. The association’s intergenerational ties are of vital importance. There is a growing pride in being a part of the Glendale Community College family of supporters, and in giving back something to the college which has given so much to them.

The office of the Glendale College Alumni Association is located in the Administration Building, room AD125. The telephone number is (818) 240-1000, ext. 5128.

**THE BAJA CALIFORNIA FIELD STUDIES PROGRAM**
Glendale Community College has been offering field classes and field trips in the Baja California peninsula, Republic of Mexico since 1974. The college maintains a facility in the peninsula, the field station “Estación del Mar Cortés”, which serves as a headquarters for various curricular offerings of interest to its faculty and students. Over the years, course offerings in the areas of marine biology, history of Baja California, philosophy, psychology, health, geography, physical education, English, Spanish, and geology have been offered. During the Fall and Spring semesters field trips are offered and during the Summer session field classes are taught.

In a setting that emphasizes field observation and cooperative learning, the program aims to expose students to a pristine and complex natural environment coupled with a unique experience in the Mexican culture. Different areas of learning are integrated in a setting which results in memorable and long-lasting adventures in learning. Students and faculty participate
in the planning and organization of each class. By living and learning together, a community of learners is created where the beauty and complexity of the human and natural world can be observed, studied and enjoyed.

Students interested in participating in any of the programs offered should contact their counselors, the appropriate instructors, or the program coordinator in AA 1B, (818) 240-1000, ext. 5515, for application forms. You can also read about current offerings on the Web at our page: http://www.glendale.cc.ca.us/baja/.

**COORDERATIVE EDUCATION**

Glendale Community College, under a state-approved plan, cooperates with local students, businesses and industries in the Cooperative Education-Work Experience program. Each community college in California has the responsibility within the limits of its resources to maximize and utilize all possible educational experiences which are advantageous to the students. One method is through the Cooperative Education-Work Experience program. Through the cooperation of business, industry, and government, students earn credit for supervised off-campus employment. Occupational Cooperative Education-Work Experience must be directly related to the student's two year career college program. Coordinated classroom instruction is included to help the student understand and appreciate the problems of business and industry. The student must maintain an enrollment of no less than seven (7) units including Cooperative Education.

**EVENING COLLEGE**

The college offers a full range of classes between 4 p.m. and 7 p.m. Monday through Thursday evenings. Usually classes meet once or twice a week for sessions of two or three hours. Most programs of the college may be completed while attending only during the evening hours. The regular facilities of the college, including the library, bookstore, auditorium, laboratories, counseling center, career center, and snack shop are available to Evening College students.

The teaching staff is made up of persons highly qualified to instruct these classes. Many members of the Evening College faculty teach on the regular day staff of Glendale Community College and of other colleges. Business and professional persons who have obtained proper teaching credentials also give the benefit of their knowledge and skills to the students.

Counseling services, in addition to advisement by the instructional staff, are available through the Counseling Center in the evening. Counseling appointments may be arranged by telephoning (818) 240-1000, ext. 5918.

Any student who complies with established registration procedures may enroll in Evening College classes.

**GLENDALE COLLEGE FOUNDATION, INC.**

Glendale College Foundation, Inc., a non-profit organization, was incorporated in 1983 as a vehicle for the community to assist with the financial support of Glendale Community College. A thirty-five member Board of Directors, composed of local leaders, formulates the policies, goals, and directions of the foundation. Objectives of the foundation are: (1) creating public awareness of the needs of the college; (2) promoting the college to business and industry and the greater Glendale Community; (3) raising funds for quality facilities and programs; and (4) establishing endowment funds for divisions and departments at the college.

Current activities include: (1) the distribution of funds to faculty for special projects; (2) sponsorship of the Glendale College Foundation Golf Classic; (3) sponsorship of the annual Glendale College Foundation Business Luncheon; (4) solicitation of donations for personalized tiles and tennis club memberships; (5) the sponsorship of various fund raising and public relations activities; and (6) sponsorship of various college activities.

The foundation has a matching program to encourage an individual to create endowments. Endowments may be established to support any function at Glendale Community College and may be named to honor individuals or organizations.

In addition, the foundation has established a Planned Giving Program. Donors wishing to include Glendale Community College in their wills or estate planning are invited to contact Ann Ransford, (818) 551-5196.

Individuals who would like to make cash or in-kind contributions to the foundation or who would like further information are invited to contact the Glendale College Foundation office in TC 102 or call (818) 551-5199.

**INTERNATIONAL STUDENTS**

Glendale Community College welcomes students from countries all over the world who desire to study in the United States. At any one time there are approximately 500 international students in attendance at Glendale Community College representing approximately 50 foreign countries. International students who desire to enter Glendale Community College may receive application materials from the International Students Center, San Rafael Bldg. In order to be admitted to Glendale Community College, international students must submit copies of all records of previous schools translated officially into English, submit results of the TOEFL, and complete certain health requirements. A $35 admissions application processing fee and a $117 deposit, which will be applied toward the first semester's tuition, are required. These fees are non-refundable. It should be noted that all requirements must be completed before a decision is made as to acceptance. Selection of international students is based upon previous school records, TOEFL scores, and the desire to have as many nationalities represented in the student body as possible. Special academic programs for international students are available.

All international students are assigned to the international student advisors who offer a wide range of assistance services.

**NON-CREDIT ADULT EDUCATION**

**Adult Community Training Center**

The Glendale Community College Adult Community Training Center is located at 1122 E. Garfield Ave. The center houses the Adult Education Office, Community Services Office, JTPA/GAIN, the Office Skills Center classes, a Developmental Skills laboratory, and English as a Second Language classes.
Adult Education office hours are 8 a.m. to 9 p.m. Monday through Thursday, and 8 a.m. to 4:30 p.m. Friday. Staff may be reached by calling (818) 243-3184.

Community Services office hours are 8 a.m. to 6 p.m. Monday through Thursday. The office is closed on Friday. For information please call (818) 548-0864.

JTPA-GAIN office hours are 8 a.m. to 5 p.m. Monday through Friday. For information call (818) 240-1000 ext. 5681.

Office Skills Center office hours are 8 a.m. to 5 p.m. Monday through Friday. For information call (818) 242-4350.

Non-Credit Adult Education Courses

Non-credit adult education courses provide educational opportunities for those seeking personal and occupational improvements. Adult non-credit courses include business education, clothing, preschool parent education, G.E.D. preparation, English, basic education, history, government, mathematics, physical science, a wide range of classes for retired adults, and home arts. Other courses may be developed to meet the special needs of those desiring general interest studies. Classes are scheduled at various locations throughout the college district.

Included in its program is the opportunity to earn a high school diploma. The minimum requirements for a high school diploma from the Glendale Unified School District (grades 9-12) are as follows:

- English (9, 10, 11) ........................................... (30 sem. hrs.) 3 cr.
- World History .............................................. (10 sem. hrs.) 1 cr.
- American History (11) ................................. (10 sem. hrs.) 1 cr.
- American Government (12) ...................... (5 sem. hrs.) ½ cr.
- Economics ..................................................... (5 sem. hrs.) ½ cr.
- Science (10 or higher) .................................. (20 sem. hrs.) 2 cr.
- Mathematics (9 or higher) ............................ (20 sem. hrs.) 2 cr.
- Elective (including First Aid and Driver Education) ...................................................... (90 sem. hrs.) 9 cr.

**TOTAL ................................................. (190 sem. hrs.) 19 cr.**

A minimum of 2 credits (20 semester hours) must be completed in residence. Courses completed at Glendale Community College Adult Education or Glendale Community College may be counted as courses completed in residence.

Further Sources of High School Credits

1. High school credits, applicable toward a diploma of high school graduation, may be earned by completing courses offered in the Adult Education program. High school elective credits may be earned by completing courses offered by the Adult Education Department of the Glendale Community College District; however, students who desire such credit must consult with the adult education counselor to be sure that such credits will satisfy graduation requirements and must make this fact known to the instructor at the time of enrollment. Where there is no designation of credit allowance, credit may be earned at the rate of 1/2 credit (5 sem. hrs.) for a class that meets twice a week.

2. Credits toward a diploma of high school graduation may be earned in other accredited secondary schools and transferred to the Glendale College Adult Education Division. No credit will be allowed for correspondence or extension courses where the examinations have not been monitored or proctored by acceptable school officials or teachers.

3. Credits may be granted for work achievement having educational value provided the individual has been employed for a year or longer by the same employer in an activity which could be considered equivalent to, or parallel to, some high school subject; and original letters from the employer are submitted verifying the dates and length of employment, detailing the nature of the work performed, and rating the quality of the work completed. Not more than four credits (40 sem. hrs.) of work achievement credit may be counted toward high school graduation.

4. Credits may be granted for regular training courses completed at a military base during a term of military service, based on the recommendations of the American Council on Education, and for approved courses completed with the United States Armed Forces Institute.

5. Credits earned at Glendale Community College or at any other accredited college may be converted into high school credits by approval of the adult school, at the rate of three college units for one high school credit (10 sem. hrs.).

6. Credits may be granted according to the results of the General Educational Development Tests (G.E.D.) taken by those who qualify. Neither college nor high school courses that have a content the same as, or are of a lower level than, courses already taken and passed in the same subject area may be taken for high school credit. If there is any question regarding the acceptability of a course, the student is to confer with a counselor or the dean of non-credit education.

High school credits may not be earned through repetition of a subject for which credit has been granted previously.

G.E.D. TESTING

The General Education Development Tests (GED) can give you the opportunity to earn a high school equivalency certificate and may reduce considerably the number of elective courses required for a high school diploma. The GED Tests are five tests in the areas of Writing Skills, Social Studies, Science, Art & Literature, and Mathematics. The GED Test is given monthly at the Adult Community Training Center at 1122 E. Garfield Avenue, Glendale. For test dates and registration information please call (818) 243-3184. For information regarding optional preparation courses offered at the ACTC call (818) 240-1000 ext. 5686.

COMMUNITY SERVICES EDUCATION

Community Services Education is a program of non-credit, fee based classes and activities designed to serve individuals with education goals that do not require college credit. There are no transcripts, grades or academic requirements. (Some certificate programs require prerequisites.) Community Services Education classes are usually shorter than credit classes and normally do not require lengthy preparation. To request a current catalog call (818) 548-0864.
NON-DISCRIMINATION AND EQUAL OPPORTUNITY POLICY

Glendale Community College District is a multicultural community of people from diverse racial, ethnic, linguistic and class backgrounds, national origins, religious and political beliefs, physical and mental abilities, and sexual orientations. The activities, programs, classes, workshops/lectures, and everyday interactions of this district are enriched by our acceptance of one another, and we strive to learn from each other in an atmosphere of positive engagement and mutual respect.

Implicit in this mutual respect is the right of each of us to live, study, teach, and work free from harassment or denigration on the basis of race, age, religious preference, gender, sexual orientation, color, national origin, or disability. Any violation of this right—verbal or written abuse, threats, harassment, intimidation, or violence against person or property—will be considered a violation of the principles of community that are an integral part of the focus, goals, and mission of the Glendale Community College District.

Glendale Community College District is committed to providing an equal opportunity for admissions, student financing, student support programs and activities, and employment regardless of race, religious creed, color, age, sex, sexual orientation, national origin, ancestry, marital status, medical condition, or disability in accordance with federal, state, and local regulations. This Non-discrimination and Equal Opportunity Policy covers admissions, access, and treatment in district programs and activities, and application for and treatment in district employment.

An individual who feels that he or she has been unlawfully discriminated against should, at the earliest possible time, discuss the matter with the appropriate district compliance officer. The compliance officer will be able to explain the grievance procedure to the student, employee, or other individual and will assist in processing the grievance, should such a step be necessary.

Title IX represents the section of the Civil Rights Act of 1964 which requires equality of opportunity for females in all educational endeavors. Its original application was geared to equal opportunity in physical education and sports; however, the impact of Title IX is spread across all disciplines and all segments of the community colleges. The Title IX Coordinator is Nancy Knight, Administration Building, room 125, (818) 240-1000, ext. 5126.

Section 504 is a part of the Rehabilitation Act which requires equality of opportunity and access for handicapped individuals in both employment and educational opportunities. For employees the section 504 coordinator is Nancy Knight, Administration Building, room 125, (818) 240-1000, ext. 5126. For students the section 504 coordinator is Joy Cook, Disabled Student Center, San Raphael Building, (818) 240-1000, ext. 5450.

Affirmative Action is a means to ensure that the district complies with the Employment Opportunity Act, Civil Rights Act, and State Affirmative Action Plan which require that the district not discriminate on the basis of race, religion, color, age, sex, national origin, ancestry, physical handicap, medical condition, or marital status. The Affirma-


Academic Grievance is a process provided to students who have a grievance regarding the manner in which they have been treated in the academic environment. For academic grievance, contact the office of the executive vice president, Administration Building 106, (818) 240-1000, ext. 5104.

American Disabilities Act is Federal Civil Rights legislation that prohibits discrimination against individuals with disabilities in employment (Title I), public services and transportation (Title II), public accommodations (Title III) and telecommunications (Title IV). The American Disabilities Act Coordinator is Joy Cook, San Raphael Building, (818) 240-1000, ext. 5450.

PACE PROGRAM

PACE, Project for Adult College Education, is especially designed for working adults who wish to further their education by obtaining an Associate in Arts degree. Completion of the five semester PACE curriculum satisfies the general education transfer requirements for the California State University System and many independent colleges and universities.

PACE is a proven educational delivery system with thousands of successful graduates throughout Southern California. Its innovative approach combines the traditional classroom format with instructional television, special conferences, thematically based team-teaching, and collaborative learning techniques. Each semester, PACE students attend classes one evening per week, eight Saturdays, and view video tapes.

We are proud to offer working adults a new option for career advancement and self-development. PACE provides convenience while continuing the traditional high academic standards of Glendale Community College.

SCHOLARS PROGRAM

The Glendale Community College Scholars Program has been created to serve the needs of academically accomplished students, offering them the opportunity for more intensive study on a higher intellectual plane than is normally possible in most undergraduate programs. The Scholars option is based on core curriculum that twenty-five students, selected from among the Scholars candidates, take together, thus developing a fraternity/sorority of intellectual inquiry and exploration. The curriculum stresses critical thinking, in-depth analysis of issues, and serious evaluation of problems. The Scholars are expected to get away from rote memorization and to remove the classical obstacles to critical thinking: prejudice, egocentricity, ethnocentricity, and vested interest.

Advantages of being a Scholar:

- Priority consideration for admission to the UCLA College of Letters and Science
- Priority consideration for admission to the University of California, Santa Cruz
- Priority consideration for admission to the University of Southern California
• Priority consideration for admission to Pepperdine University
• Priority registration for all classes
• Special academic counseling
• The designation of "President's Scholar" on transcripts

Eligibility for the Program:
• Minimum cumulative GPA of 3.0
• CGP of 60; ACT of 15; SAT score (combined) of 1000 with 450 minimum on either the verbal or math section
• A 500-word essay offering proof of superior writing ability
• Evidence of special competency or creativity
• Written recommendations

Note: All requirements listed above are used as guidelines and can be rescinded or adjusted at the discretion of the College Scholar Advisory Committee.

STUDY ABROAD PROGRAMS

Glendale Community College believes it is essential for students today to cultivate an informed and sensitive awareness of all parts of the world in order to better co-exist with other nations and with people from cultures different from their own. In harmony with this belief, the college is following the guidelines developed by the Council on International Educational Exchange for the U.S. Department of State, which focus on expansion of student opportunities for study and work abroad.

In addition to annual programs in Baja California, the college has offered full semester programs in France, England, Spain, Italy, and other countries that are of special interest to Glendale College students. Six-week summer programs are also offered in Costa Rica, Ireland, Paris, Prague, and other cities.

Interested students should phone (818) 240-1000, ext. 5143 or drop by AD 145.

TRANSFERS TO FOUR-YEAR COLLEGES AND UNIVERSITIES

Students may take programs at Glendale Community College which will qualify them for junior standing in most of the four-year colleges and universities. The requirements of colleges vary so greatly that it is not possible to prescribe a program of work which will apply to all of them. However, written agreements for both general education and major requirements have been established with many of the four-year colleges and universities in California.

Students should consult their counselor as to the availability of a written agreement. If an agreement is not available, students should consult the catalog of the college or university to which they intend to transfer. With the help of their counselor, they should choose their courses at Glendale Community College in accordance with the lower division (freshman and sophomore) requirements of the college or university of their choice as outlined in its catalog.

Catalogs of schools, colleges and universities are on file for reference purposes in the Career Center, the Library, and the Transfer Center. Students are urged to obtain catalogs directly from the college or university in which the individual is interested.

VETERAN EDUCATION

Glendale Community College is approved as a degree-granting institution for the attendance of veterans and veteran's dependents entitled to educational assistance. After filing an application for admission, a veteran wishing to attend on one of the V.A. assistance bills should complete all necessary forms at the college Veterans Office.

The educational assistance allowance payable to Veterans is:

- Full time—12 units or more
- 3/4 time—9-11½ units
- 1/2 time—6-8½ units
- 1/4 time—3-5½ units

Continuing and returning students who were previously enrolled for V.A. assistance must submit to the college Veterans Unit, in the Office of Admissions and Records, each semester a Veteran's Intent-To-Register Agreement form if they wish to continue to receive assistance.

It is the veteran's responsibility to promptly notify the college Veterans Unit of any change of program which would affect his or her V.A. assistance.

Veterans taking a course which lasts less than a semester will be paid only for the actual enrollment period. Veterans must be enrolled in at least one additional unit of academic subjects than the number of units in which they are enrolled in Cooperative Education-Work Experience. Veterans will not receive benefits for enrollment in Cooperative Education-Work Experience 101.
Students enjoy the beauty of the Baja peninsula while earning academic credit in GCC's Baja California Field Studies Program.
COLLEGE SERVICES

MISSION AND PHILOSOPHY OF COLLEGE SERVICES

The primary mission of all educational institutions is learning. Glendale Community College recognizes that there are many activities and programs outside of the classroom which enhance the learning process. Consequently, numerous student services have been established to help students move toward the attainment of their goals.

College Services, by contributing to the overall educational process at the college, is committed to serving the special needs of a diverse student population. Thus, the variety and comprehensive nature of student services at the college is intended to support a multitude of concerns for a large and changing student enrollment.

The programs offered by College Services are designed to assist students in the decision-making process by helping them identify and clarify personal, career, and educational goals. The intent is to help students select options for improving the quality of their lives. Personal, career, and academic choices are not viewed as separate and disconnected entities but as inter-related issues, the combination and interaction of which determine the present and future quality of each individual's life experience.

College Services is committed to assisting students to attain their educational goals and personal development through a comprehensive program of student services. The major student support programs are:

Enrollment Services—Outreach and recruitment, admissions, orientation, assessment, counseling, advisement, educational planning, registration and record services to assist students in enrolling in the appropriate classes.

Support Services—Counseling services, learning assistance (writing lab, learning center, and tutoring center), adult re-entry programs, career guidance, job placement, veterans' services, transfer services, disabled student program, health services, and library services to help students develop goals, to plan for achieving desired results, and to support and contribute to student self-realization.

Financial Services—Financial aid, student employment, scholarships, and awards for students who need financial assistance.

Activity Programs—Athletics, student clubs, student government and student activities to broaden the students' involvement in college life.

To assist students in meeting their educational objectives, College Services is the primary advocate on the students' behalf to provide access for all persons who wish to attend the college: physical access to facilities on the campus; access to programs and services; and access to the required courses.

College Services promotes an atmosphere conducive to growth and special programs to eliminate educational, social, cultural, economic, and physical barriers to a person's education.

ADULT RE-ENTRY CENTER

The Adult Re-entry Center is open to all students at Glendale Community College as well as all interested persons in the community. It is staffed by specially-trained counselors to serve the counseling needs of returning students. The counseling services provide new and returning students an opportunity to develop a long range educational plan (SEP). The staff is sensitive to the issues and concerns that relate to adult students. The center is located in the San Rafael Building.

The Adult Re-entry Program has a major goal of providing students with the opportunity to expand views and increase their personal, academic, and vocational self-fulfillment in an educational environment which is both flexible and accessible. Special services offered in the Re-entry Program are focused on single parents and displaced homemakers. A mentoring program is also available. The Adult Re-entry Program also offers special college seminars as offered by the counselors. The seminars consist of vocational and educational exploration and decision making, personal development, study skills, stress management, career and job exploration, gender equity information,* individual and group counseling concerning the problems of family responsibility, time management and academic pressures of mature students who have recently returned to college.

BOOKSTORE

The college bookstore is located in the center of the campus. The store is operated by professional managers and staff, and its income is used to promote the programs of the Associated Students. College textbooks, reference books, school supplies, clothing, software, film and gift items are available.

The bookstore is open 7:45 a.m. to 7:15 p.m. Monday through Thursday and 7:45 a.m. to 3 p.m. Friday during the Fall and Spring semesters, with extended hours the first two weeks of each semester. During the Summer Session, it is open 7:45 a.m. to 1 p.m. Monday through Thursday with extended hours the first two weeks and the final week of the session (except Tuesday evenings).

For student purchases the bookstore will accept the following:* 1. Personal checks must be imprinted by the bank with check signer's name and address. You must have a valid California Driver's License or California ID or a photocopy of the ID, of the person signing the check. No passports or green cards will be accepted.
2. ATM/Debit Card
3. MasterCard, Visa, Discover, or American Express credit cards will be accepted. Credit card purchases will require proof of signature and if not the cardholder, written authorization is required.

*CAMPUS CENTER

The Campus Center contains the Associated Students offices, a snack bar, a cafeteria, a lounge, offices of the Associate Dean, Student Activities, Campus Safety, and an automated teller
machine (ATM). The facilities provide places where student clubs and other organizations may meet for social and business functions. Walk-through registration is also held in the Campus Center. Arrangements for the use of the Campus Center may be made in the Student Activities office, room CC109, and cleared through the master calendar.

**CAREER CENTER**

It is important that students choose a major or course of study early in their educational experience. Glendale Community College students are facilitated in the career exploration process by the administration of appropriate standardized inventories, surveys, computerized systems and tests. Students are assisted in exploring their values, interests, and abilities for application to the world of work.

The staff provides individualized career counseling, as well as mini-workshops and classroom interaction.

The Career Center can help the student in the following areas:
1. Finding a college major.
2. How to do research and use career resources.
3. Career changes and career planning through the lifespan.
4. The decision making process in careers.
5. Choices for further academic training.
7. Resume writing and job interviewing.
8. Information interviews to test reality.
9. Certificate or transfer choices.
10. Women in non-traditional jobs; minority concerns.
11. Referral to community and college resources.
12. Provide a format for questioning in a positive, supportive environment.

The Career Center is located in the San Rafael Building, second floor. Call the Career Center at (818) 240-1000, ext. 5407 for day and evening hours.

**COLLABORATIVE LEARNING (SI)**

Another innovative program that the college offers its students is the Collaborative Learning (SI) workshops that are available each semester with selected courses. These workshops provide students with an enjoyable, structured way to study and/or solve problems collaboratively under the supervision of an instructor or specially trained student leader. Regular workshop participants usually reach a better understanding of course content and tend to pass at a much higher rate and with better grades than non-participants. A list of workshop offerings is available in the current class schedule or through counseling services. The program coordinator is happy to answer questions about this free service in PB109-A.

**DISABLED STUDENTS**

Students with verified disabilities, or health impairments are eligible for services through Disabled Students Program and Services. Eligible students include those whose conditions limit one or more of the major life activities and impose educational limitations preventing them from fully benefiting from classes, activities or services offered by the college. These conditions include but are not limited to learning disabilities, speech and hearing impairments, vision loss, emotional or mental illness, orthopedic limitations, neurological and health related impairments.

Qualified students receive disability-related counseling and are assisted in the pursuit of academic, vocational, and personal goals. The professional staff serves as liaison with on-campus faculty and resources as well as off-campus agencies and allied health professionals. Support services and specialized instruction are provided to students based on individual educational plans and contracts. Services include but are not limited to the following:

- **Disabled Student Center**
  - Disability Related Counseling
  - Vocational Counseling
  - Priority Registration
  - Registration Assistance
  - Mobility Assistance
  - Special Parking
  - Mobility Orientation
  - Readers
  - Books on Tape
  - Interpreters for the Deaf
  - Note Takers
  - Adapted Physical Education
  - Lip Reading Instruction

- **Instructional Assistance Center**
  - Learning Disabilities Program
  - Learning Strategies Instruction
  - Specialized Tutoring
  - Examination Proctoring
  - Specialized Assessment

- **High Tech Center**
  - Assistive Technologies
  - Equipment Loan
  - Braille Materials
  - Visual Aids

For information regarding any of these programs and services please call (818) 240-1000, ext. 5449 or come to the Disabled Students Center Office in the San Rafael Building, 8 a.m. to 7 p.m. Monday and Thursday, 8 a.m. to 4:30 p.m. Tuesday and Wednesday or 8 a.m. to 12 noon on Friday.

**EXTENDED OPPORTUNITY PROGRAM AND SERVICES**

The Glendale Community College Extended Opportunity Program and Services (EOPS) was established at Glendale Community College in 1972 and is jointly funded by the State of California and the Glendale Community College District. EOPS provides programs and services designed to afford educationally and economically disadvantaged students the opportunity to participate fully in the educational program of the college.

The EOPS program at Glendale Community College provides grants to eligible students. The EOPS certificated counselors and the student personnel worker provide services related to enrollment procedures, obtaining financial aid, counseling, and university transition. The EOPS staff is also prepared to serve in many languages besides English (Arabic, Armenian, Persian, Japanese, Spanish, Vietnamese). Each semester EOPS offers a book service to eligible students.

EOPS also offers a Cooperative Agencies Resources for Education (CARE) program, designed to reduce long term AFDC/TANF welfare dependency and support the needs of single parents for economic self sufficiency. Funding from this program provides books and supplies for classes, gas vouchers, bus passes, and CARE grants.

In order to assist Glendale Community College achieve the goals of the Student Equity Plan, EOPS conducts an active student recruitment program in the multi-ethnic communities of the college service area.

**FINANCIAL AID**

The Financial Aid office assists students seeking financial help to pay for the costs of attending Glendale Community College.
Money is provided to cover the cost of enrollment fees and/or tuition, books, transportation, and partial living expenses. Students may be working and still qualify for financial assistance. There are basically two types of financial aid: grants and self help (such as work study and loans). Grants are awarded on the basis of financial need and do not require repayment. Loans provide an opportunity to defer educational costs by borrowing now and paying later. (Please refer to the loan information below for more information and ask for a copy of the Glendale Community College loan policy in the Financial Aid Office.) Work study offers students the opportunity to earn a portion of their college expenses through part-time employment during the school year. The Free Application for Federal Student Aid (FAFSA) must be used when applying for financial aid. Applying on time is critical. Be sure to contact the Financial Aid Office regarding deadlines. The completed FAFSA should be mailed to the federal processor after January 1, but no later than the last day of the previous spring semester, in order to ensure funds will be available for the beginning of fall semester in August. In addition, students must complete a Glendale Community College Supplemental Financial Aid Application and return it to the Financial Aid office with photocopies of all requested documents. Applications submitted after the last day of the previous spring semester may still receive funds (if eligible), but they will be made available later in the academic year.

After receiving the FAFSA, the federal processors will forward a Student Aid Report (SAR) to the student. Students should review this form. If changes are necessary, make the corrections on Part II of the SAR and return it to the Federal Student Aid Programs at P.O. Box 60003, Cahokia, IL 62206-6003. If no changes are necessary, the student should keep the SAR for their records. Students are not required to submit the SAR to the Financial Aid Office. It is important, however, that all requested documentation be returned as soon as possible. Financial Aid awards are made only after a student’s file is complete. New students must submit an admission application and be assigned a Glendale College Student I.D. number before financial aid is offered.

On-time applicants (those with complete applications by the last day of the previous spring semester and who have returned all requested materials) can expect to receive a financial aid award letter by the beginning of the fall semester. Students receiving financial aid are expected to make satisfactory academic progress toward their educational goal. Please refer to the Satisfactory Academic Progress Policy in this catalog for more information.

The Financial Aid staff is here to assist you. Students often find applying for financial aid a difficult and confusing process. Those needing help or advice are encouraged to go to the Financial Aid Office, located in the San Rafael Building, 2nd floor. In addition, we offer group sessions on how to complete the required paperwork. Please contact the office for scheduled times and dates.

**TYPES OF FINANCIAL AID**

**Board of Governors Enrollment Fee Waiver**
This waiver is available to California residents to cover resident enrollment and health fees. Students must demonstrate financial need by completing the Free Application for Federal Student Aid (FAFSA) or the Board of Governors Enrollment Fee Waiver Application. The maximum waiver is equal to the community college enrollment and the health services fee.

**Cal Grants**
The California Student Aid Commission offers three grants for which Glendale Community College students are eligible to apply. The deadline for these programs is March 2 for the following year. Students interested in this program must meet the published deadline; no exceptions are made. To apply students must complete the Free Application for Federal Student Aid (FAFSA) and a GPA Verification form (both forms are available in the Financial Aid Office).

**Federal Pell Grant Program**
Glendale Community College participates in the Federal Pell Grant Program which provides federal grants of up to a maximum of $3000 per year for students, depending upon the financial ability of the family and/or individual to contribute to the cost of higher education (as determined by a federal methodology). Applicants must be US citizens or eligible non-citizens and complete the Free Application for Federal Student Aid (FAFSA) and other required supplemental materials. All application materials are available in the Financial Aid Office.

Students may apply for a Federal Pell Grant any time after January 1, 1998 until June 30, 1999.

**Federal Supplemental Educational Opportunity Grant (SEOG)**
Glendale Community College participates in the Federal Supplemental Educational Opportunity Grant program which provides federal grants to a maximum of $2,000 per year for students who qualify. The average grant at Glendale Community College is $200. Applicants must be US citizens or eligible non-citizens and complete the Free Application for Federal Student Aid (FAFSA) and other required supplemental materials. All application materials are available in the Financial Aid Office.

**Federal Work Study**
Students who are interested in the federal work study (FWS) program are required to complete a Free Application for Federal Student Aid (FAFSA) and other supplemental materials. All application materials are available in the Financial Aid Office. If awarded FWS, the student goes to the Placement Office to inquire about work opportunities.

**Federal Family Education Loan Program**
The Federal Subsidized Stafford Student Loan program is a federally supported loan available to needy students. Eligible Glendale Community College students may borrow between $500 and $3,500 based on their need, year in school, and satisfactory academic progress. Students must be eligible for need-based aid to receive a Subsidized Stafford Loan. There is no repayment or interest accrual while a student is enrolled at least half-time. Six months after ceasing at least half-time enrollment, a variable interest rate (in 1997/98 this interest rate was 7.66%) begins to accrue and payments begin at a minimum of $50 per month. There is a maximum of 10 years to repay the loan. The interest rate of a Stafford Student Loan borrowed prior to October 1, 1993 will be different than noted above; please contact your lender for more information. The Federal Unsubsidized Stafford Student Loan program is available for
students who do not demonstrate financial need. While the terms of the loan are similar to those noted above, interest accrual is immediate. Students may be eligible for an additional $4,000 through this program.

To apply for a loan under the Federal Family Education Loan Program a student must complete a Free Application for Federal Student Aid (FAPSA), a Stafford Loan application and Glendale Community College supplemental materials as well as attend an “entrance interview” with a member of the Financial Aid staff. Please come to the Financial Aid office to receive a copy of the student loan policy.

Short Term Emergency Loans
Emergency loans, not exceeding $50, are available to enrolled students. These loans are administered by the Student Activities Office and are available only to those students awaiting disbursement of a financial aid award. To apply for a loan, a student must complete the Emergency Loan Application and be a member of the Associated Student Body (ASB). There is a $5 service charge for each loan. Funds are limited and therefore it may not be possible to grant all requests. A student may receive only one loan per semester.

Campus Employment
See Job Placement Center

HEALTH CENTER
The Glendale Community College Health Center is open Monday through Friday during most class hours and is located on the first floor of the San Rafael Building. Daily services include, blood pressure screening, vision screening and hearing tests, tetanus, measles-mumps-rubella immunizations, and assistance with health insurance questions. A registered nurse is available for health assessment, first aid and crisis counseling. They will also discuss such subjects as health and family issues, birth control and nutrition. They have many outside referrals available for registered students who may need help. No appointment is necessary for these services.

TB skin testing and anonymous HIV testing occur on selected dates during the semester. Students may schedule appointments with physicians, nurse practitioners, and mental health intern/traine counselors. All services are confidential. (Specific legal exceptions do exist.)

A Health Resource Center is in the Health Center. It contains a computer with Internet access. CD-ROM programs on health subjects are available for research on class projects or general health knowledge. Literature, from magazine and newspaper articles about health related subjects, is available for check out and is updated daily. Books, video tapes and audio cassettes, on diet and nutrition, stress, exercise, AIDS and STD’s, are available for student use in the Health Center.

All services are paid for through the Student Health Fee except some laboratory work.

Visit the Glendale Community College Health Center's website: www.glendale.cc.ca.us/health

JOB PLACEMENT CENTER
The Job Placement Center is located on the 2nd floor of the San Rafael Building. The mission of the Job Placement Center is to provide ongoing, comprehensive assistance to all Glendale College students in obtaining on- and off-campus employment. JPC staff assists students in finding off-campus positions related to their disciplines. Students are advised on application and interview techniques and resume writing. In addition to providing part- and full-time job listings, the center sponsors on-campus recruiting by interested businesses who wish to hire students.

Job listings are also provided via the internet through our partnership with Jobtrak Corp. To access these listings you must be a Glendale Community College student or an alumnus and obtain a password from the Job Placement Center.

Referrals for employment are given to students on the basis of their experience, training and ability to fulfill the requirements of the positions.

On-campus positions are also available for currently enrolled students. Glendale Community College participates in the Federal College Work Study program, and also has a program totally funded by the college. Positions are available in most areas of the college. Students interested the Federal Work Study program are required to apply for federal financial aid.

LEARNING CENTER
The Learning Center at Glendale Community College has one major goal: to support all students in the successful completion of their course work at the college. To achieve this goal, the center provides the following services:

- Group Tutoring
- In-class Tutoring
- One-to-one Tutoring
- The Writing Center
- Tutor Training
- Video tapes, audio tapes, and CD-ROMs

The center also provides Computer-Assisted Instruction in AD 221: Our PassKey learning system helps students gain proficiency in mathematics, reading, and English grammar in a series of lessons that range in difficulty level from grades 1.6 to 12.9. Students take lessons that specifically address their individual needs as recommended by instructors, or they may individually use the system's diagnostic tools to determine which skills need work. Each lesson teaches a specific skill and contains a pre-test, tutorial, guided practice, and post test.

LIBRARY
Newly expanded and renovated, the Glendale Community College Library serves the entire college community by emphasizing service and providing an environment to meet your individual learning and study needs. A professional staff of librarians is available to assist you with research and study projects, and to provide instruction in the use of library resources.

The library collection is designed to meet the curricular needs of students and faculty. Reference books, print indexes and current periodicals are located on the first floor of the library (third level of the building) in addition to reference and circulation/reserve areas. The online catalog, newspaper and periodical electronic indexes, and the Internet may be accessed from centrally-located computers. All of the circulating books and back issues of periodicals are on the second floor (fourth
level of the building). Located on both floors are individual study carrels and study rooms. Study rooms are exclusively available for use by small groups of students. In addition to books and periodicals, the collection contains pamphlets and cassette and CD recordings.

A brief library guide and other handouts, including instructions for using the computer system, are available free to students, faculty, and other library users. The guide includes a detailed floor plan of the library and information about services, facilities, and procedures.

**MATH/SCIENCE CENTER**

The Math/Science Center offers drop-in tutoring, and audiovisual assisted instruction for students of mathematics, chemistry, physics, and astronomy courses. It also offers computer assisted instruction for developmental mathematics students. The center, located in PB 202, is open daily 8 a.m. to 6 p.m. (8 a.m. to 12 noon on Fridays); it is staffed by faculty members and student tutors and is equipped with some computers and VCR's.

Mathematics and physical science students are welcome; no appointment is necessary.

**MATRICULATION SERVICES**

Matriculation is a process which is designed to assist students in planning, selecting, and achieving educational goals. The process brings the college and a student into an agreement for the purpose of realizing the student's educational goal through the college's established programs, policies, and requirements. The agreement acknowledges responsibilities of both the college and the student to attain these objectives. The primary purpose of matriculation is enhancing student success.

Listed below are the basic components of the matriculation partnership shared between the college and the student.

The college agrees to provide:

- An admissions application process.
- An orientation to the college's programs and services.
- An assessment of the student's study skills, English language proficiency, computational skills, aptitudes, goals, learning skills, career aspirations, academic performance, and need for special services.
- Counseling and advisement to develop an educational plan.
- Follow-up evaluation of each student's progress in achieving an educational goal.

The student agrees to:

- Express at least a broad educational intent upon admission.
- Declare an educational goal before or during the term after which the student completes 15 units.
- Attend class.
- Work diligently to complete course assignments.
- Demonstrate an effort to attain an educational goal.

The college is committed to student success, and with this in mind provides the following matriculation services.

**Admissions**

For new students, the first step is applying for admission to Glendale Community College. Students will be asked to provide the college with information about themselves so the staff can provide them with the types of services needed to help them achieve their goals and objectives. Some of this information is required by federal or state law, or college policies. Other information will assist the college in determining whether the student needs to be referred to orientation and assessment programs. It is important to submit copies of high school transcripts and transcripts of any previous college work at the time of admission.

**Orientation**

The orientation workshop, combining a short videotape with a presentation by a member of the college staff, will give the student important information regarding the services, programs and courses available through the college. At this time, a counselor will explain the assessment program and will answer questions regarding assessment. Orientation sessions are scheduled periodically throughout each year. A schedule of the orientation sessions is available in the Admissions and Records office.

New and transfer students are required to participate in the orientation program.

**Assessment**

To help the students determine their skill levels in many academic areas including written English expression, reading, and mathematics, the college provides a comprehensive assessment program. Assessment scores assist the students and counselors to determine the appropriate courses for students to enroll in during the first semester.

**Counseling and Educational Planning**

One of the most important activities involved in the matriculation process is counseling and educational planning. Professional counselors are available to assist each new student in several areas:

1. Deciding upon an educational objective;
2. Determining the courses required to achieve this objective;
3. Determining the services needed to assist students in achieving their objective;
4. Assisting students in course selection appropriate to their goals.

**The Student Educational Plan (S.E.P.)**

It is important for all students to have a Student Educational Plan (S.E.P.). The S.E.P. serves as an outline of the preliminary educational program students will undertake. In addition, the S.E.P. identifies the students' goals (i.e. transfer, A.A./A.S. degree, certificate, etc.) and refers them to support services, if needed.

Students are responsible for completing the S.E.P. before finishing their first year at Glendale Community College. After completing the S.E.P., students should review the plan with a counselor, particularly if they have decided to change their educational objective, college major, or if other factors concerning their education should change.

Completion of the S.E.P. is required during the student's first year at the college. Students should make an appointment with a counselor to begin this process as soon as possible.

**Follow-up**

Counseling and teaching faculty provide a number of follow-up services to matriculated students. These services are de-
signed to provide information regarding the students' academic progress. Special services are provided to students on academic and/or progress probation, students in basic skills courses, and students who are undecided about their educational goal. Referrals are made to on- and off-campus services when appropriate.

Matriculation Appeals Procedure
A matriculating student has the right to challenge or appeal any step in the matriculation process. A petition for the waiver of a specific matriculation service or requirement may be filed for any of the following reasons:

1. **Review of assessment/placement decisions**—The student shall make an appointment to see the assessment counselor to discuss the results of the placement testing. The assessment counselor will determine whether the student should be offered an opportunity to “re-test” based upon mitigating factors affecting the student’s test performance or be referred to the division chair.

2. **Waiver of prerequisites**—Students may challenge a course prerequisite, corequisite or limitation on enrollment on the grounds that the student has the knowledge or skills to successfully complete the course, that the prerequisite course has not been made reasonably available and will cause undue delay in completion of the student's education goal as detailed in the student educational plan; that the course has not been established in accordance with the district's process for establishing prerequisites and corequisites; or that the prerequisite is unlawfully discriminatory or is being applied in an unlawfully discriminatory manner. To request a prerequisite waiver, the student must complete the Glendale Community College Prerequisite Challenge Petition, and submit the document to the division chair responsible for the course. If the petition for a waiver is based upon the student's contention that he/she has the necessary skills to succeed in the class, the student may be asked to submit evidence of this proficiency. The student will be notified, within fifteen (15) working days, of the receipt of the petition. The student may appeal the decision of a division chair to the executive vice president of instruction.

3. **Complaint of unlawful discrimination**—If a student feels that assessment, orientation, counseling, (or any other matriculation procedure or service) is being applied in a discriminatory manner, a petition may be filed with the dean of student services. The student will be notified, within five (5) working days of the receipt of the petition, regarding the college's proposed response to the complaint and any additional steps which will be taken.

Other Counseling Services
In addition to educational planning services, the counseling staff of the college provides a variety of other counseling services to assist students.

1. **Career Counseling**
   The Career Center assists students in determining their academic majors, vocational or career goals. Most students require specific information about certificate, vocational and/or college preparation and career or job requirements. Often students need specialized counseling in seeing how their interests, skills, personal styles and values relate to an academic course of study. Career counseling helps students integrate their aspirations with the work world.

2. **University Transfer Counseling**
   Many students at the college aspire to transfer to a four-year college or university. All counselors at the college are prepared to assist students in preparing for their eventual transfer. It is particularly important for students to see a counselor periodically to review the requirements for transfer to the institution of their choice. In addition, the college’s Transfer Center can assist students in meeting with representatives of many of the local four-year institutions and can provide them with other important information.

3. **Disabled Student Programs and Services**
   Specialized support services and counseling are available in a number of offices on campus. The Disabled Student Services program offers individual counseling services to students with disabilities. These services are provided to help with educational planning and to identify specific support services required to assist the student in achieving his/her educational goal.

4. **Extended Opportunity Program and Services**
   The Extended Opportunity Program and Services office also provides specialized counseling services related to enrollment procedures, financial aid, tutorial services and university transition. The EOPS staff is prepared to serve students whose primary language is not English (Arabic, Armenian, Farsi, Spanish and Vietnamese).

5. **Financial Aid**
   The Financial Aid office provides the student with counseling regarding his or her financial circumstances, and will assist the student in obtaining financial support needed to attend the college. Financial aid is available in a number of forms, including grants, loans and work-study programs.

6. **Adult Re-entry Services**
   The Adult Re-entry Program provides academic, career and personal counseling services to adult students who are returning to formal education after a lapse of time. In addition, the program offers many classes and workshops designed to meet the interests and needs of the adult student.

Course Selection and Enrollment
At the time of registration students will be asked to select classes in which to enroll. However, prior to enrollment, it will be necessary for them to see a counselor and complete a study list, that is, a list of courses they are eligible to take which will lead toward the completion of their educational objective. It is to their advantage to see a counselor as soon as possible prior to the next semester, to work out the class schedule they would like to take for the next semester.

The process of enrolling in classes is explained in the orientation session. Students will also be provided with information from the Admissions and Records office regarding their date and time for registration, as well as the other requirements for completing this process.

Instruction and Progress Toward Goals
Students' active and diligent participation in their classes is the single-most important factor leading to their eventual academic
success. Students are expected to attend all classes and to complete all course assignments in a timely fashion. To assist students in making progress toward their goal the college will provide them with a variety of support services, such as tutoring, other learning assistance activities, financial support (where applicable) and other forms of assistance to increase their educational development. Students are responsible for notifying the college of any specific needs they have, or of any change in their goal.

Periodically students may be contacted by the college to provide it with information regarding their progress towards completing their stated goals. This contact may involve a meeting with a counselor, or other staff member of the college, or it may take the form of written communication to the students regarding their progress. In either case, it is up to students to follow up on this communication so that the college may better serve them.

**Completion of Student Goals**
The college's goal is to assist in achieving the objectives students have for themselves. However, the students must determine when this is accomplished. They are responsible for notifying the college of any change in their goals or status as it relates to the college. The college can provide students with assistance to make changes as easy as possible. Students should feel free to contact any staff member to assist them during a period of transition when they are leaving the college for some other activity or environment.

**SCHOLARSHIPS**
Any student who has completed at least 12 units of college credit at Glendale Community College may file an application for a scholarship or grant in the Scholarship Office, CC 109. Selections are made by the Scholarship Committee or scholarship donors based on academic achievement, financial need, or other criteria established by the donors.

**Alice Lee Ingledue Memorial Scholarship**
A scholarship is donated by the John and Bob Gregg families and Glendale Community College in honor of a pioneer Glendale business woman and long supporter of Glendale Community College. The scholarship is awarded annually to a woman transferring to upper division and majoring in business Administration, Engineering, Science, or Architecture.

**Aleta Rutter Memorial Scholarship**
A scholarship is awarded to a student majoring in either art or art history. The recipient is nominated by the faculty of these departments. Funds for this scholarship have been donated in memory of Aleta Rutter, a former student at Glendale Community College.

**Alpha Gamma Sigma Scholarship**
The Glendale Community College Chapter of Alpha Gamma Sigma State Scholarship Society awards scholarships to its current members. The candidates must have a minimum GPA of 3.0 and must have been active in the honor society.

**Alumni Association Scholarship (GCC)**
Each year scholarships are awarded, one to a transferring student and one to a student continuing at Glendale Community College.

**Amelia Reinhart Re-entry Scholarship**
Scholarships are awarded each year at the President's Advisory Council meeting to students who have returned to college and who have maintained an exemplary academic record.

**American Association of University Women Scholarship**
The American Association of University Women awards an annual scholarship to a female student who is graduating from Glendale Community College, and transferring to a four year school.

**American Association of University Women Scholarship (Re-entry)**
The American Association of University Women awards an annual scholarship to a female student in the Re-entry Program who is graduating from Glendale Community College, and transferring to a four year school.

**American College Theatre Festival Scholarship**
Ten scholarships established by the Glendale Community College Theatre Guild are awarded annually. Eligible students are those selected by the American College Theatre Festival judges to participate in the technical and costume design and the Irene Ryan Acting Competition at the regional festival in December.

**American Savings Bank Scholarship**
A scholarship is awarded by the American Savings Bank to an outstanding student majoring in business administration and transferring to upper division.

**Angela and Anthony Battaglia**
A scholarship is awarded annually to a continuing or transferring student majoring in elementary education. Funds for this scholarship have been donated by the family and friends of Angela and Anthony Battaglia to recognize their dedicated service to the students of Glendale Community College.

**Angela Goldberg Scholarship**
A grant is given each year to a student continuing at Glendale Community College and who is enrolled in the Drug and Alcohol Certification Program.

**Ann Grassl Memorial**
A grant is awarded to one or two students majoring in Choreographic Studies. This award is based on merit only.

**Ann Marie Novinger Scholarship**
A scholarship has been established in honor of Anne Marie Novinger, former Health Services Specialist at Glendale Community College, by her family and friends. The award is given to a transferring student with financial need and high academic achievement.

**Arnulfo Casillas Memorial**
An annual award is given in memory of Arnulfo Casillas, a former Glendale Community College counselor.

**ASIFA Hollywood Scholarship**
The Hollywood Chapter of the Animated Society of International Film Appreciation (ASIFA) established this scholarship to support students majoring in Visual Arts. The Glendale Community College Art Department faculty will select an annual recipient who is majoring in Art and has demonstrated financial need.

**Assistance League of Glendale Scholarship**
The Assistance League of Glendale awards an annual scholarship to a female student who is transferring to a four year school. Eligibility criteria include involvement in campus activities and community services.
Associated Student Body Grants
A number of $150 awards are granted to students continuing at Glendale Community College. Awardees are selected by the Glendale College Scholarship Committee each semester.

Audaen O. Schlatter Scholarship
A scholarship has been donated by friends to honor Audaen O. Schlatter, the Executive Director of the Glendale Chamber of Commerce.

AVIATION SCHOLARSHIPS

Angeles Antiquers Scholarship
Grants are available to two outstanding students in the Aircraft Power Plant Maintenance Program to help with the purchase of books.

August Boyles Memorial Scholarship
In memory of August Boyles, former instructor in the Aircraft Power Plant and Maintenance Program, a scholarship is awarded to an outstanding second year student in the Aircraft Power Plant and Maintenance Program.

Aviation Alumni Scholarship
A scholarship has been established by a former student in the aviation program. The award is to assist an outstanding student in the A&P and Pilot Training Program.

Edward McGinley Memorial
A scholarship funded by the family and friends of Mr. McGinley is awarded to a student in the Airframe and Powerplant Program.

David E. Kern Memorial Scholarship
An annual award is given to an outstanding student in the Aerospace program in memory of David E. Kern, former professor of aerospace studies and division chair of the Aerospace program.

John A. DeAngelis Memorial Flight Training Scholarship
One scholarship established by Mr. and Mrs. John DeAngelis is awarded to a student each semester to help defray flight training expenses.

Baja California Field Studies Program Scholarship
A number of scholarships are awarded each year to help students defray their expenses while attending courses offered under the auspices of the Baja California Field Studies Program at Glendale Community College.

Bonnie Koploy Memorial Scholarship
An annual scholarship is awarded to an outstanding student in memory of a biology professor, Bonnie Koploy. The award was established by the faculty of the college and other friends of Ms. Koploy.

Braille Transcriber's Guild Scholarship
One scholarship is awarded to visually handicapped students either continuing at Glendale Community College or transferring to upper division studies.

C. E. Stidrivant Memorial
A scholarship is awarded to a student transferring to a university and majoring in ecology, environmental science, environmental biology, or environmental studies.

California Retired Teachers Association Scholarship
A number of scholarships are awarded by the California Retired Teachers Association to outstanding students seeking careers in the teaching profession.

Charles Gibson Academic Achievement Scholarship
A scholarship has been established by the Associated Student Body to honor Charles Gibson, Professor of History. Award is based on academic achievement.

Chemistry Scholarship
A scholarship established by Lytle, Tate, and Stamper Dental Corporation is awarded to an outstanding student in chemistry.

 Classified Council Association (GCC)
A scholarship is awarded to a student employed on campus in need of financial assistance to be used for college expenses.

Cindy Lee Hudspeth Memorial Scholarship
A scholarship established by the friends and family of Cindy Lee Hudspeth is awarded yearly to a student majoring in psychology who has completed 30 units of college work with at least a 3.0 GPA.

Cindy Zerman-Duncan Memorial Athletic Scholarship
This award was established by Mr. and Mrs. Fred Zerman in memory of their daughter Cindy. The scholarship will be awarded annually to a sophomore or junior student who transferred from a four-year college or university.

Collin Guttinette Memorial
A scholarship has been established by the Social Science Division in memory of Mr. Guttinette, a former History Professor at Glendale Community College. The award will go to a transferring student who is majoring in History.

Cora de Rowe Memorial Scholarship
A scholarship established by ACCTLA and friends of Cora de Rowe, former Dean of Instructional Support Services, is awarded to a student tutor.

Dean McKennon Memorial Scholarship
An annual award is made to a transferring student majoring in theatre arts (stage design, makeup, technical stage, etc.), nominated by the Theatre Arts Department.

Dick Charles Memorial Scholarship
An annual scholarship given in memory of Dick Charles, a longtime supporter of the college and of the arts in the Glendale community, is awarded to continuing Glendale Community College students with at least a 2.5 GPA and with an academic emphasis in the instrumental music program.

Drake C. Hawkins Academic Achievement Scholarship
A scholarship has been established by the Associated Student Body to honor Drake C. Hawkins, professor of political science and division chair. The award is based on academic achievement.

Dwaine "Bud" Reinbolt Memorial Scholarship
A scholarship in memory of Dwaine "Bud" Reinbolt, former dean of Admissions and Records at Glendale Community College, has been established by his family and friends. The scholarship is awarded each spring to a student transferring to a four-year institution.

Edward Grieg, Norwegian Scholarship
Six scholarships are donated by the members of the Norwegian Lodge, Edward Grieg Chapter 74, to help defray expenses while attending Glendale Community College.
Eleanor Kentner Kohler Memorial Scholarship
An award is made annually to a student continuing at Glendale Community College. Special talent in art or poetry is the criteria.

Electronics & Computer Technology (ECT) Scholarship
A scholarship in honor of Mack Jones, retired Professor of Electronics, is awarded on the recognition of the electronics faculty.

Elizabeth Rowley Memorial Scholarship
An award is presented each year to a student planning to transfer to a four-year institution with a GPA of at least 3.0. This award is made from funds contributed by the Glendale Community College faculty to a memorial fund in honor of Elizabeth Rowley, a former Dean of Women at Glendale Community College.

Ella and Everett Lillie Mathematics Scholarship
A memorial to Everett Lillie, husband of Ella Lillie, Professor Emeritus of Mathematics, is awarded annually to a woman transferring to upper division, majoring in Mathematics.

Elmer G. Denton Memorial Scholarship
A scholarship is awarded to an outstanding student in art history who has attended Glendale Community College for one year. The award is in memory of Elmer G. Denton, and is donated by the Glendale Art Association and friends.

Epsilon Epsilon Chapter of Delta Kappa Gamma Scholarship
One scholarship is awarded to a female student transferring to a four-year institution. The scholarship is only given in even years.

Ernest and Patricia Horton Philosophy Scholarship
Established by Ernest and Patricia Horton, this scholarship is awarded annually to a transferring student majoring in philosophy.

Faculty Award for Academic Excellence (GCC)
The faculty of Glendale Community College annually awards a plaque and a monetary award to a student with a GPA of 3.5 or better in at least 60 units, 45 of which must have been taken at Glendale Community College.

Fidelity Federal Scholarship
An annual scholarship is awarded to a continuing student at Glendale Community College planning to major in business administration with an emphasis on finances. A 3.0 GPA in at least 24 units is required with preference for a minority student.

Florence Miller Hammer Scholarship
A scholarship is awarded to a continuing student who has exhibited outstanding leadership skills and provided service to the college and community. Funds for this scholarship have been donated by the family and friends of Florence M. Hammer to honor her dedicated service to the scholarship program and the Glendale College Foundation.

Gateway Kiwanis Scholarship
The Gateway Kiwanis Club of Glendale awards a scholarship each year to an outstanding sophomore student who is planning to transfer to a four-year institution.

Gerry George Memorial Scholarship
A scholarship has been established from donations by the Associated Students, staff of Glendale Community College, and friends in memory of Mr. Gerry George, who was a counselor in the Disabled Students Center. The award is given to an outstanding disabled student.

Glendale Area Schools Federal Credit Union Scholarship
One $200 scholarship is awarded to a student continuing at Glendale Community College or transferring to a four-year institution.

Glendale Bar Association Scholarships
Two scholarships are awarded to students majoring in the legal secretarial program. One scholarship is awarded to the outstanding first-year student continuing at Glendale Community College. The second scholarship is awarded to the outstanding graduating student in the program. Awardees are selected by the Business Division faculty.

Glendale Board of Realtors Scholarship
An annual scholarship is donated by the Glendale Board of Realtors and is awarded to an outstanding student majoring in business administration or economics. Preference will be given to a student completing at least six units in real estate courses.

Glendale Business and Professional Women Scholarship
A scholarship is awarded to a female student continuing at Glendale Community College. Must be a Glendale resident.

Griffin R. McKay Memorial Scholarship
A scholarship donated by the friends and relatives of Griffin R. McKay is awarded to a student in the Vocational Education program.

Harry L. Beck Memorial Scholarship
A scholarship donated by the friends and relatives of Harry L. Beck is awarded to a student in the Adult Education/Evening College Program.

Helen I. Conner Nern Memorial Scholarship
Scholarships are awarded on the basis of merit to promising vocal and drama students. These scholarships are possible through a gift by the late Helen Conner Nern because of her love of music and theatre.

Helen Neufeld Woman-in-Medicine Scholarship
A scholarship is awarded annually to a former female student who has completed her lower division science requirements at Glendale Community College and has been accepted to an A.M.A accredited school of medicine, leading to a M.D. degree.

Homemaker Academic Scholarship/Award
A scholarship/award is donated by the Glendale Community College Faculty Senate and awarded to a student functioning as a homemaker while attaining academic excellence at Glendale Community College.

Hoover High School—Ruth Starr Business Scholarship
Scholarships for students majoring in business are awarded each semester to Hoover High School graduates attending or planning to attend Glendale Community College. Funds for the scholarship have been donated by Ruth Starr, a former faculty member at Hoover High School and Glendale Community College.

Hughes Journalism Scholarship
A scholarship is awarded by Mr. Tom Hughes to an outstanding journalism student.

International Students' Association Club Scholarships
Scholarships are awarded to assist international students in meeting their expenses at Glendale Community College. Funds are raised by the GCC International Club.
J. Lee Gregg Memorial Scholarship
The Field Foundation has established a scholarship in memory of Mr. J. Lee Gregg, prominent Glendale citizen. The award is given to one or two outstanding students transferring to a four-year institution.

Jane Knecht Memorial Scholarship
A grant is awarded every year in memory of Jane Knecht to a music major student.

Janet and John Delmonte Scholarship
One scholarship of $1000 established by Mr. & Mrs. John Delmonte is awarded in the spring to an outstanding math or science major transferring to a four-year institution.

Jean Larson Memorial Scholarship
A scholarship in memory of Mrs. Jean Larson, former vice president, Administrative Services at Glendale Community College, has been established by her husband and friends. The scholarship is awarded annually to a Glendale Community College student transferring to upper division studies.

Jeanne Rees Memorial Scholarship
A scholarship, in memory of Jeanne M. Rees, a long-time employee of Glendale Community College, is awarded annually to a student assistant, in financial need, to help with expenses at Glendale Community College. The student must be employed in the College Library.

Jeffrey Webreck Memorial Scholarship
A scholarship in memory of Jeffrey Webreck is awarded every spring to an outstanding student in broadcast journalism transferring to a four-year institution. The scholarship has been established by Jeffrey's sister and friends from KCOP Channel 13, where he was employed.

Jo Rae McCuen
A scholarship is awarded in honor of Jo Rae McCuen, former dean of the Evening College. The scholarship is given to a Glendale Community College student planning to study abroad.

John and Elsa Kreider Scholarship
A scholarship is awarded to assist a student transferring to a four-year institution with the objective of becoming a teacher in the public schools. This award is made with funds provided by John and Elsa Kreider in celebration of their 30th wedding anniversary. Mr. Kreider was a teacher at the college (1946-55) and its first dean of instruction.

John and Virginia Hedlund Scholarship
A scholarship donated by friends and family of Virginia and John Hedlund in honor of the first president of the Glendale College Foundation is awarded annually. The award goes to a student with a major in print journalism, graphic arts or literary writing.

John E. Kienle Memorial Scholarship
Scholarships are awarded for superior achievement in sociology and/or anthropology to students in these areas. The scholarships were funded in memory of a former teacher of sociology at Glendale Community College.

Johnneta Van Avery Memorial Scholarship
A scholarship in memory of Johnneta Van Avery, a former classified staff member at Glendale Community College, has been donated by her family and friends. The scholarship will be awarded yearly to a woman over the age of 25 pursuing a career in the RN program.

Kiwanis Club of Glendale Scholarship
A scholarship is awarded to a transferring student and is based on academic record and extra curricular and civic activity, with financial need also considered.

L'Experience Restaurant Scholarship
Scholarships/awards are given by Yeimei Wang, professor of Culinary Arts, to honor outstanding students majoring in the Food Services Program.

Lisa Gelfand Solars Memorial
A scholarship established in memory of a former Glendale Community College student by her family and friends is awarded annually to a continuing student involved in campus activities and community services.

Lois D. and George S. Witt Memorial
An annual scholarship is awarded in memory of Lois D. and George S. Witt.

Loromae T. Venola Memorial
A scholarship established in memory of Mrs. Venola by her husband and family is awarded annually to a continuing student who has excelled in photography.

Lorena Elise Seelos Memorial Scholarship
A scholarship in memory of Lorena Elise Seelos, a former student at Glendale Community College, has been donated by the family and friends of Miss Seelos.

Los Angeles County Medical Association Award
Three awards are given to help nursing students with college expenses while attending Glendale Community College.

Lou Gross Art Scholarship
A special art scholarship has been donated by Lou Gross, former professor of art, and is awarded at the annual Fine Arts Students' Art Show in the spring.

Loyd Noble Memorial Award
A grant is awarded to a continuing student majoring in business with a 3.25 GPA or better at Glendale Community College.

"Magic Music" Robert D. and Robert W. Butcher
A scholarship is awarded to a disabled student continuing at Glendale Community College with a major or minor in music.

Male and Female Scholar/Athlete Scholarship
Two scholarships are awarded to a male and female student demonstrating outstanding scholarship, citizenship and athletic achievement. To qualify, a candidate must have a 3.5 GPA in at least 36 units and have participated in two seasons of sports at the community college level.

Margaret E. Voegele Scholarship
A scholarship has been donated by friends of Margaret Voegele in memory of her husband, Christian, and in recognition of her long and distinguished service as executive secretary in the office of the superintendent/president.

Martin Mondrus Art Scholarship
An award is given in the spring to encourage students to do good work in art.
Mary D. Burke (Vocal)
A grant is awarded by the Burke family to a student majoring in music.

Michael Winston Sutherland Memorial Scholarship
A scholarship is awarded annually to a continuing or transferring student who has demonstrated academic achievement. Funds for this scholarship have been donated by the family and friends of Michael to remember his dedication to his work, his love for life and logic.

Mikey Montante Memorial Scholarship
A grant is awarded to a continuing student with a 3.5 GPA, majoring in language arts (English, foreign language, philosophy, history or fine arts).

Montgomery Family Scholarship
Richard Montgomery established this scholarship in memory of his wife and his son. The scholarship will provide financial assistance to a deserving Glendale Community College student each year.

Music Theatre Scholarship (GCC)
A scholarship is donated by the Glendale Community College Music Theatre and awarded to an outstanding student in the performing arts area.

N. Arthur Rasmussen Scholarship
A scholarship has been established by the Associated Students to honor N. Arthur Rasmussen, former executive vice president Instructional Services. Award is based on academic achievement.

National Charity League Scholarship
A scholarship donated by the Glendale Branch of the National Charity Leagues is awarded to a student transferring to an upper division institution.

Northwest Glendale Lions Club Scholarship
Scholarships are awarded each year by the Northwest Glendale Lions Club to disabled students transferring to upper division or continuing at Glendale Community College.

Oakmont League of Glendale Scholarship
The Oakmont League of Glendale awards scholarships annually to transferring students, assisting them in completing their education at a four-year institution.

Oakmont League Fine Arts Scholarship
A scholarship is awarded to a theatre arts major who is transferring to a four-year accredited institution.

Patricia A. Lienhard Academic Achievement Scholarship
A scholarship has been established by the Associated Students to honor Dr. Patricia A. Lienhard, former vice president, College Services. Award is based on academic achievement.

PATRONS CLUB SCHOLARSHIPS

Art Scholarship
A scholarship is awarded to a student majoring in art who has completed two or more semesters at Glendale Community College.

Bicentennial Scholarship
A scholarship is awarded yearly to a student transferring to upper division. The scholarship is awarded in celebration of the bicentennial of our constitution in honor of all men and women who served in the United States Armed Forces.

Charles Reinhart Sr. Memorial Scholarship
A scholarship is awarded to a student continuing at Glendale Community College or transferring to upper division. The student must be in financial need and have a 2.5 or better GPA. The student must be a United States citizen and a Marketing/Business Administration major.

Elsie Bishop Memorial Scholarship (Outstanding Woman)
The Glendale Community College Patrons Club awards a scholarship to an outstanding student selected by the student body. This scholarship is in honor of Elsie Bishop, former dean of students at Glendale Community College.

50th Anniversary Scholarship
A scholarship is awarded yearly to an outstanding Glendale Community College graduating student who has contributed to the college through service or participation in college-sponsored activities.

Fine Arts Scholarship
A scholarship is awarded to a continuing student at Glendale Community College with a 2.5 or better GPA.

Grants-in-aid
Grants are awarded to students for use at Glendale Community College on the basis of financial need. The number awarded each year depends on the amount of money raised by The Glendale Community College Patrons Club.

H. Rex Craig Memorial Scholarship
A scholarship is awarded to a freshman student continuing at Glendale Community College in the field of science. The recipient is selected by the science faculty.

Humanities
A scholarship is awarded to a transferring student at Glendale Community College majoring in the humanities.

J. Walter Smith Scholarship (Outstanding Man)
The Glendale Community College Patrons Club awards a scholarship to the outstanding student selected by the student body. This scholarship is in honor of J. Walter Smith, former dean of Student Activities at Glendale Community College.

John A. Davitt Scholarship
The Patrons Club awards a scholarship to an outstanding transferring student with definite career goals. The scholarship is in honor of Dr. John A. Davitt, superintendent/president who formerly held the positions of vice president of Instructional Services and administrative dean of Student Personnel Services at Glendale Community College.

John A. Grande Scholarship
The Glendale Community College Patrons Club and friends of Dr. Grande award a scholarship to a transferring student who exhibits leadership skills and community service to others. This scholarship is in honor of Dr. John A. Grande, former president of Glendale Community College and former executive director of the Glendale College Foundation.

Kenneth Kobellas Memorial Scholarship
A scholarship is awarded to a male student continuing at Glendale Community College or transferring to upper division. The student must be a graduate from one of the
high schools within the Glendale Unified School District and must be a United States citizen.

**Matt Gillespie Memorial Scholarship**
A perpetual scholarship is granted through a fund established by Mr. and Mrs. Michael Gillespie and supplemented by the Glendale Community College Patrons Club in honor of Matt Gillespie, former football player at Glendale Community College. The scholarship is given to a returning, outstanding defensive lineman as selected by the Athletic Department.

**Music Scholarship**
A scholarship is awarded to a continuing student at Glendale Community College majoring in the field of music. The student must have a 2.5 or better GPA.

**Past Presidents’ Scholarship**
A scholarship is awarded to a student transferring to upper division with a GPA of 2.5 or better.

**Retired Deans Scholarship**
A scholarship is awarded to a continuing student at Glendale Community College. The student must have a 2.5 or better GPA.

**Theatre Arts Scholarship**
A scholarship is awarded to a continuing student at Glendale Community College majoring in the field of theatre arts. The student must have a 2.5 or better GPA.

**Pearl Proctor Memorial Scholarship**
A perpetual scholarship in memory of Pearl Proctor has been donated by the family and friends of Mrs. Proctor. The scholarship is awarded annually to a woman studying vocal music.

**Professor Derrill Place Memorial Scholarship**
One scholarship is awarded to an outstanding graduating student majoring in journalism. Funds for this scholarship have been donated in memory of Professor Derrill Place, former journalism instructor at Glendale Community College.

**Rae Berry Scholarship**
Two scholarships are awarded each year to female students in the Re-entry Program.

**Raymond and Editha Edwards Scholarship**
A scholarship has been established by Glendale Federal Savings and Loan to honor Raymond and Editha Edwards for their outstanding contributions to the community and Glendale Community College. The award is made to a student majoring in business and transferring to an accredited four-year institution.

**Richard W. Tang Memorial**
Each year, a scholarship is awarded to the outstanding male athlete of Glendale Community College.

**Robert Grumbley Memorial Scholarship**
A scholarship is donated by the friends and relatives of Robert G. Grumbley. This scholarship is awarded to a student majoring in athletics with at least a 3.0 GPA and planning to attend a four-year institution.

**Robert J. Taylor Academic Achievement Scholarship**
A scholarship has been established by the Associated Students to honor Robert J. Taylor, counselor. The award is based on academic achievement.

**Robert Pike Whitten Scholarship**
Scholarships are awarded each semester to theatre arts students by Mr. Robert Pike Whitten. Mr. Whitten has established these scholarships to encourage and financially assist students pursuing a career in the fine arts.

**Robert Thomsen Memorial Scholarship**
A scholarship in memory of Robert Thomsen, former instructor of photography at Glendale Community College, has been established by funds donated by the family and friends of Mr. Thomsen.

**Rossall-Smith Men and Women Scholar Athlete**
A scholarship is awarded to the outstanding male and female scholar athlete.

**Rossall-Smith Men and Women Trustee**
Two scholarships are awarded each year to continuing male and female students who have demonstrated excellent leadership qualities.

**Rossall-Smith Nursing Grants**
Grants are awarded to students in the Nursing Program to help them with school expenses.

**Russell Halsey Turrill Humanities Award**
A scholarship has been established by Pauline Venable Turrill, in memory of Russell Halsey Turrill, valedictorian of the class of 1945. The honor is presented to the outstanding student majoring in an interdisciplinary program and transferring to a four-year institution.

**Ruth L. Memmler, M.D. Scholarship**
A scholarship donated by Dr. Ruth L. Memmler is awarded every year to an outstanding student transferring to upper division and following a pre-medical or pre-dental curriculum.

**Sandie Myers Memorial Scholarship**
Two awards are donated by the Xi Pi Theta Chapter-Beta Sigma Phi for students enrolled in the LVN or RN program.

**Sara Evelyn Clover Memorial Scholarship**
A scholarship has been established by the family and friends of Sara Evelyn Clover in her memory. The award is given each spring to an outstanding transferring student.

**Scholar Award (GCC)**
The award will go to a transferring student who has completed the College Scholars Program and has given special services above and beyond the call of duty to that program.

**Sharon Costales Veterans Scholarship**
One scholarship is awarded in the fall to help a student, a veteran of the U.S. Armed Forces, to continue his/her education at Glendale Community College. This award has been established by Sharon Costales, former counselor at the College.

**Southern California Restaurant Writers Award**
A scholarship is awarded by the Southern California Restaurant Writers Association to the outstanding student in the Food Services Program.

**Teching Huang Memorial Scholarship**
Glendale Community College faculty and staff initiated this scholarship fund in memory of Mr. Teching Huang, father of Culinary Arts professor, Yeimei Wang. The Wang family will award the scholarship each year to an outstanding international student who is majoring in Culinary Arts or Nutrition.
Ted Connet Memorial Scholarship
A scholarship has been established by donations from the friends and relatives of Ted Connet, former English instructor who was instrumental in developing the Learning Center at Glendale Community College.

Terry Markwell Memorial
A scholarship is awarded in memory of Terry Markwell a former Glendale Community College dance instructor. The scholarship is awarded annually to a student studying dance.

Tim Richards Foundation
One scholarship is awarded to a transferring or continuing physically disabled student.

Tuesday Afternoon Club Scholarship
Each year, the Tuesday Afternoon Club awards scholarships to outstanding students in botany, fine arts and general courses and who are transferring to an upper-division institution.

Verdugo Hills Women's Council of Realtors Scholarship
A scholarship is awarded every spring to a mature woman wishing to return to a career in business and preferably in the real estate field.

Walter R. Huber Art Scholarship
A scholarship has been established by Walter R. Huber to be awarded at the Fine Arts Festival in May. The award is made to a student in illustration.

Wayne Striker Memorial Scholarship
An annual scholarship is awarded to an outstanding second-year botany student as nominated by the Botany Department. The scholarship fund was established in memory of Wayne Striker, former botany student.

William H. Fell Memorial Scholarship
A scholarship has been established by the family and friends of William H. Fell in his memory. It is awarded to assist an outstanding engineering student while attending Glendale Community College.

William Wessely Memorial Scholarship
Three scholarships are awarded annually to students transferring to an upper division institution and planning a career in a medical or para-medical field. These scholarships were donated by the late Dr. William Wessely, a Glendale physician, in memory of Charlotte and Ernestine Rose Wessely. (Formerly Aesculapian Scholarship.)

Women's Athletic Club Study Grant
The Women's Athletic Club of Glendale awards a scholarship to an outstanding student in the graduating class who plans to make physical education a career.

SERVICE LEARNING CENTER
The Service Learning Center at Glendale Community College serves as a resource and placement center to help students make service and volunteer work a vital part of their college experience. The center provides services and information to help students make the most of their volunteer experience including general orientations, a database of over 120 local non-profit agencies where service can be performed, reflection sessions which help students discuss their experience with other students doing service, and follow-up activities to ensure the best possible placement.

Students choose to perform service for a variety of reasons, including:
- exploration of career options;
- fulfillment of civic duty and/or social responsibility;
- experience in chosen field of study/major;
- experience to list on resume and/or college application

In addition to volunteer work, the center works with select faculty to implement Service Learning (service that is connected to actual classroom instruction) into certain courses. Students either receive extra-credit or choose volunteer service as their class project. Since this list changes each semester, please check with the center for an updated copy.

Students and faculty are encouraged to propose their own service activity. Contact the center for more information.

The SLC can be reached at 818-240-1000, extension 5789 or 5790 and is located in Administration Building, room 124. Hours of operation are Monday through Thursday, 9 a.m.-3 p.m. and Friday, 9 a.m.-12 noon.

TRANSFER CENTER
The Transfer Center is a counseling program designed to assist students with the process of transferring to four-year colleges and universities. The Transfer Center is especially committed to the goal of increasing the transfer rate of under represented students to institutions of higher learning.

The center provides counseling and advising, workshops, and transfer day and evening programs, maintains a library of catalogs, materials and applications for CSU, UC and private universities, and hosts university representatives who advise students.

The Transfer Center is very active in ongoing intersegmental efforts with local universities and has been involved in the articulation of services for Glendale Community College students and staff. The Transfer Center is located on the second floor of the San Rafael Building.

TUTORING CENTER
The Tutoring Center is a specialized service of the Learning Center. It is located in AD 232. The center assigns tutors to any student who feels the need for tutoring in any college subject. This is a free service for any Glendale Community College student.

The Tutoring Center provides:
1. In-Center Tutoring—Through the assistance of various funding programs, tutors are provided and appointments are made for tutoring in the center. Services include individual tutoring, study groups, group tutoring, and review sessions. The tutoring service covers all subjects offered in the current schedule of classes. The atmosphere is congenial, and the tutoring coordinator or an aide is always there to greet you and offer assistance.

2. In-Class Tutoring—Funds from vocational education make it possible to provide tutoring in classrooms and labs for vocational and technical courses. The instructors request tutors for their classes and the tutors work closely with the instructors to meet the specific needs of the students and the demands of the course.
3. Glendale Community College students who receive a recommendation from their instructors are eligible for paid tutoring positions. Members of the community are eligible for the volunteer tutoring program.

4. Tutor Training—Tutors are trained in a specially designed paraprofessional course, Student Development 150. This provides the tutors with more understanding of the learning and teaching process. An International Tutoring Certificate is available to students who meet the requirements of this Training Program. Certificates are earned in regular, master, and advanced levels.

THE WRITING CENTER

This one-on-one tutoring service offers students (on a first-come, first-served basis) help in writing for any purpose, including paragraphs, essays, business letters, research papers, and abstracts. Enrollment in an English course is not necessary. The Writing Center is open Monday through Saturday (except during final exams). The current schedule is posted in AD232. The Writing Center is staffed by a writing technician and student tutors who have demonstrated the ability to tutor up to the level of Freshman English (English 101). The Writing Center is not a proofreading or editing service. Tutors will, however, assist student writers in terms of clarity, organization, and development. Tutors will not comment on the grade a student's paper might receive. Grading students' writing is an instructor's responsibility.
STUDENT ACTIVITIES & ORGANIZATIONS

The Office of Student Activities coordinates a wide variety of activities, programs, and services to help students broaden their educational experiences at Glendale College. The goal of the student activities program is to provide students with opportunities to develop their leadership skills through participation in student government, cultural programs, campus activities, and student clubs and organizations.

ASSOCIATED STUDENTS OF GLENDALE COMMUNITY COLLEGE (ASGCC)

The Associated Students of Glendale Community College (ASGCC) is the official student government organization. Elected each semester, the ASGCC Legislature meets weekly to determine budgetary expenditures, establish and review policies, and coordinate programs and services that benefit students. Legislature meetings are held every Tuesday morning in the ASGCC conference room located in the Campus Center.

ASGCC Membership

Students who pay the Student Services fee each semester automatically become members of the Associated Students of Glendale Community College. This membership enables students to participate in activities, programs, and services financed by the ASGCC. The Student Services fee partially finances the annual ASGCC budget that provides financial support to more than 100 campus programs and activities. Included among the ASGCC-funded services are Health Center doctors, immunizations for students, tutoring, evening child care, athletics, emergency book loans, the student newspaper, and many more.

Eligibility Requirements for ASGCC Candidates and Officers

All students are encouraged to participate in ASGCC affairs and run for an elected position within the organization. Candidates for an elective office must complete the required nominating petitions and meet the eligibility requirements before their candidacy is approved by the Office of Student Activities. Candidates must be enrolled in at least nine units and have a minimum cumulative grade point average of 2.0 to be eligible to run for office. Once a student is elected to office, he or she must carry a minimum of 12 units and maintain a 2.0 grade point average throughout their term to remain eligible.

Student Government Elections

The ASGCC sponsors campus-wide student government elections during the fall and spring semesters. Any currently enrolled Glendale College student who is a member of the Associated Students may vote in an ASGCC election.

ASGCC Officers

The ASGCC Legislature consists of seventeen student leaders who are elected by the student body. Elected officers include the ASGCC President, Vice President of Administration, Vice President of Finance, Vice President of Campus Activities, and Vice President of Campus Relations. These five positions make up the ASGCC Executive Committee. The Legislature membership also includes a total of twelve senators including three Senators of Administration, three Senators of Finance, three Senators of Campus Activities, and three Senators of Campus Relations.

Student Newspaper

The El Vaquero is the official student newspaper of Glendale Community College. Written and edited by journalism students, the paper focuses on campus news and issues related to students. The El Vaquero is published biweekly and is available to the campus community free of charge.

ATHLETIC PROGRAM

Glendale Community College offers a comprehensive and competitive intercollegiate athletic program for both men and women. The Vaquero athletic teams compete as members of the Western State Conference. Men's sports include baseball, basketball, cross-country, football, soccer, tennis, and track and field. Women's sports include basketball, cross-country, soccer, volleyball, tennis, and track and field.

The men's and women's athletic programs are supported by full-time coaches and staff including a certified athletic trainer. Additionally, a full-time athletic counselor provides academic support services to athletes including educational planning, enrollment advisement, and career guidance.

STUDENT CLUBS AND ORGANIZATIONS

Students are encouraged to participate and play an active role in campus life by joining a student club or organization. Supervised by the Office of Student Activities, more than thirty clubs and organizations give students an opportunity to explore specialized interests and serve the campus community. These groups are usually organized according to four main themes including academic achievement, cultural awareness, religious awareness, and special interests.

Academic Achievement: Alpha Gamma Sigma (AGS) and the Scholars are two organizations focused on promoting academic excellence among students. Both AGS and the Scholars provide valuable service to the college community and raise funds to support the college's scholarship program.

Cultural Organizations: Cultural organizations provide students with opportunities to learn about other cultures and meet students with similar backgrounds. These groups have included the Armenian Student Association, Black Student Alliance, Chinese Student Club, Vietnamese Club, Korean Club, Filipino Cultural Awareness Association, International Students Club, Association of Latin American Students (ALAS), and the Organization of Latinos for Higher Education (OLHE).

Special Interest Clubs: Numerous special interest clubs enable students to participate in activities with others who share similar interests. Special interest clubs have included groups such as the Baja Field Studies Club, Lesbian and Gay Student Union, German Club, College Republicans, Real Estate Club, and Future Lawyers of America.

Religious Clubs: Religious clubs offer students a chance to increase religious awareness and interact with other students with similar beliefs. Active religious clubs have included the Latter-day Saints Student Association (LDSSA), Korean Christian Club, and the Christian Fellowship.

Additional information about campus activities and student leadership programs is available in the Office of Student Activities located in the Campus Center.
ADMISSION AND REGISTRATION

ADMISSION REQUIREMENTS

Glendale Community College will admit any California resident possessing a high school diploma or the equivalent thereof.

Glendale Community College may admit any other California resident who is 18 years of age and older and who is determined to be capable of profiting from the instruction offered.

Non-residents, including international students, may be admitted. Information concerning residency may be found elsewhere in this catalog. For further information contact the Office of Admissions and Records.

APPLICATION

All applications for admission should be presented to the Office of Admissions and Records, Glendale Community College, 1500 N. Verdugo Road, Glendale, California 91208. The college will also process those received by mail.

ASSESSMENT

If a student is enrolling in any course that has a placement test prerequisite, the student must take assessment tests. Failure to take these tests will delay or prevent registration. Applicants are advised to take them at the earliest possible date. Register for exams in the Assessment Center (AD 232) at least one day prior to exam. No student will be admitted to the testing area without a picture I.D. or after a test begins.

Computerized Arithmetic Test
This test is required for Nursing applicants.

Chemistry Placement
This test is required for placement into Chemistry 101. It is not needed if the student has completed Chemistry 110 with a grade of "C" or better.

English Placement
This examination is similar in difficulty to material found in most newspapers and popular magazines. It includes both reading and written language sections. It is needed for placement into the nursing program and most English classes as well as many language, social science, speech, business, and humanities courses.

English as a Second Language (ESL) Placement
This exam is needed to qualify for initial placement into any ESL course. The exam includes reading comprehension, written grammar, listening comprehension, and a writing sample.

English as a Second Language (ESL) (Non-credit) Placement
This test is used to place students in non-credit ESL courses.

Mathematics Placement
All students who have not taken a mathematics course at Glendale Community College or other accredited institution are required to take a mathematics placement examination prior to enrolling in any mathematics course, except Mathematics 190. Students who have completed the appropriate prerequisite at another college or university must have transcripts or other proof of satisfactory completion of the course prior to registering in a more advanced class.

The test is designed for initial placement only. Once placed in a Glendale College mathematics course, students advance in the sequence according to Glendale College course prerequisites.

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<tr>
<td>Mathematics Placement</td>
<td>one year</td>
<td>once per year</td>
</tr>
</tbody>
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CATALOG RIGHTS

New Students

When a new student first begins attending Glendale Community College, he or she will come under the catalog requirements in effect at that time; thus, a student who begins in fall 1998 semester will follow the requirements for graduation, G.E. certification for the CSU, and certificates of completion that are listed in the 1998-99 Glendale Community College catalog.

Continuing Students

1. A student remaining in continuous attendance in regular sessions at the campus of any California community college or in any combination of California community colleges and the California State University may, for the purpose of meeting graduation requirements or G.E. certification for the California State University, elect to meet the catalog requirements in effect at the time of beginning his or her continuous enrollment at the California State University or at a California community college.

2. Students may maintain their continuing student status for catalog purposes provided that they complete a course and earn units at Glendale Community College at least one semester during an academic year without missing two consecutive semesters.

Returning Students

1. Students who return to Glendale Community College and would normally be placed under the new catalog requirements in effect, may petition for their original catalog if the following conditions are met:

a. Student has earned 45 semester units with a minimum GPA of 2.00 and these units are recorded on the student's official transcript at Glendale Community College. Units earned may reflect courses taken at Glendale Community College as well as courses taken at other institutions.
b. Student has seen a counselor, has completed an SEP, and has officially declared a major and an educational goal (including transfer institution, if applicable).

CLASS AUDIT POLICY

A student may audit a class at Glendale Community College providing that the following conditions are met:

1. Auditors must be eligible for admission to the college as regularly enrolled students.

2. Enrollment for the purpose of auditing will be on a space available basis, and requires the approval of the instructor.

3. Priority in class enrollment shall be given to students desiring to take the course for credit; therefore, enrollment for audit purposes will not be permitted until Monday of the second week of instruction.

4. Once audit enrollment is completed, no student will be permitted to change his or her enrollment to receive credit. A student shall not be permitted to change his or her enrollment from credit to audit.

5. A non-refundable audit fee of $15 per unit shall be payable at the time of enrollment as an auditor. Auditors shall not be charged the enrollment fee for auditing a class. Students enrolled in 10 or more units will not be charged a fee for auditing up to three units.

6. No credit will be received for auditing a course. The college will not maintain any attendance or academic records.

CONTINUOUS ENROLLMENT

For purposes of admissions and registration, students maintain continuous enrollment by being enrolled in a minimum of one class for both Fall and Spring semesters. These students need not submit new applications for admission and will receive priority registration over new and returning students.

ELIGIBILITY FOR COURSES

It is the policy of the Glendale Community College District that every class offered, unless otherwise indicated in the official catalog and schedule of classes, shall be fully open to enrollment and participation by any person who meets the academic prerequisites of such class, and who is otherwise eligible for admission to and enrollment in the college. Students may occasionally have had outstanding experience in a given area which they may feel will substantially satisfy the stated prerequisite for a course. Where it is desired to offer such experience for the regular prerequisite, the student must have a petition approved to make such substitution. Once such a petition has been approved students may not later receive credit for a course for which they substituted the outside experience. Students who are considering developing a petition should first read the section on Credit by Examination.

Credit for lower level courses will not be granted if credits have been earned in higher level courses. Many courses have no stated prerequisite. Here students should realize that it may be assumed that they have previous successful experience with related subjects, they have the ability to read with speed and understanding, and they have the ability to express themselves in clear and concise English.

These factors are considered by counselors when assisting students with their Student Educational Plan (SEP) from which they will select courses as they make out their programs during the registration period.

A student with a poor scholastic record in any subject field should not expect to carry advanced work in that field.

FEES

All fees are subject to change by the state of California and the Glendale Community College District Board of Trustees.

Enrollment Fees: All resident students must pay the mandatory basic enrollment fee each semester or summer intersession of $13 per unit.

Nonresident Tuition: A nonresident tuition will be charged to students who are residents of other states, who are foreign nationals, or who have taken legal residence in California for less than one year. The tuition is $117 per semester unit and is paid in addition to the basic enrollment fee of $13 per unit.

Health Services Fee: A Health Services fee is required of all students. This fee provides various health services on the college campus, as well as an on-campus insurance policy. The fee is $11 per semester and $8 for the summer intersession.

Student Services Fee: The Student Services fee is $10 per semester for both day and evening students. This fee provides membership in the A.S.B. and funds various college activities such as: a scholarship program, the emergency loan fund, the college bookstore, the newspaper, inter-collegiate athletics, and instructional support units such as the Learning Center and the Tutorial Center.

Student Photo I.D. Fee: All new students are required to purchase a photo I.D. card. The card is issued when students register and is used at the library, offices in College Services, and instructional labs at the college. The cost is $7 for new cards as well as replacements.

I.D. Card Validation Fee: A $1 per semester or intersession fee is charged to update the student’s I.D. card.

Grade Mailing Fee: A $1 per semester or intersession is charged to cover the mailing of final grades and information regarding registration for the upcoming semester.

Returned Checks: A fee of $30 will be charged for all checks returned by the bank for insufficient funds, or stop payment. Students are held responsible for any loss or breakage of college equipment. At the time of registration, students will have the expenses of purchasing textbooks, supplies, and other incidentals.

REFUND/REPAYMENT POLICY

Refund Policy for all Students:

1. To receive a refund for tuition and/or enrollment fees and Health Services fee, classes must be dropped or canceled within the first two weeks of instruction for the particular class.

2. Requests for refunds must be initiated by the student and will be processed according to the following:
   Summer—Students who withdraw (or drop units) during the first week of the summer intersession are entitled to a
refund provided that they submit a refund application during week two when refunds are processed.

**Fall and Spring**—Students who withdraw (or drop units) during the first two weeks of the semester are entitled to a refund provided that they submit a refund application during weeks three and four when refunds are processed.

3. Refund request forms are available in the Student Business Services window in the lobby of the Administration Building. Student must present an I.D. card and a receipt showing payment of fees. There is a $10 refund processing fee.

**Pro-Rata Policy for new students receiving Title IV Federal Financial Aid.**

1. A refund calculation will be applied to all first time students who receive federal financial assistance (federal grants, loans, or work assistance) and withdraw from all classes or are dropped from all classes by the instructors in a given semester. The following chart outlines the calculations that are used.

<table>
<thead>
<tr>
<th>Total Withdrawal During Week</th>
<th>Remaining Portion of Semester</th>
<th>Percentage Refund (rounded down)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>.94</td>
<td>100%*</td>
</tr>
<tr>
<td>2</td>
<td>.94</td>
<td>100%*</td>
</tr>
<tr>
<td>3</td>
<td>.83</td>
<td>80%</td>
</tr>
<tr>
<td>4</td>
<td>.78</td>
<td>70%</td>
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<tr>
<td>5</td>
<td>.72</td>
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<tr>
<td>6</td>
<td>.67</td>
<td>60%</td>
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<tr>
<td>7</td>
<td>.61</td>
<td>60%</td>
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<tr>
<td>8</td>
<td>.56</td>
<td>50%</td>
</tr>
<tr>
<td>9</td>
<td>.50</td>
<td>50%</td>
</tr>
<tr>
<td>10</td>
<td>.44</td>
<td>40%</td>
</tr>
<tr>
<td>11</td>
<td>.39</td>
<td>30%</td>
</tr>
<tr>
<td>12 &amp; later</td>
<td>none</td>
<td></td>
</tr>
</tbody>
</table>

*California Education Code allows a 100% refund of tuition and enrollment fees for students who withdraw during the first two weeks of the semester. Since federal regulations dictate that the student receive the largest refund available, these students will receive a 100% refund.

2. The college will collect the allowed administrative fee, equal to 5% of the tuition and fees assessed the student, not to exceed $100. per federal regulations, if the amount of refund is less than $25, Glendale Community College will be exempt from the refund calculations.

3. The calculated refund will be credited to the Title IV programs in the following priority:
   a. Outstanding balances of FFELP loans
   b. Federal Pell Grants
   c. Federal SEOG grants

4. When a first time financial aid recipient completely withdraws or is withdrawn by all instructors on or after the first day of the semester, Glendale Community College will determine whether the student received an overpayment of financial aid funds for non-institutional expenses.
   a. The overpayment is the difference between the amount received as cash disbursements and the amount of expenses incurred for non-institutional costs during the portion of the payment period that the student was actually enrolled. Federal Work Study and Family Educational Loans are not considered in determining the amount of cash disbursements made to students.
   b. The expenses incurred by the student for a standard 36 week academic year will be assessed as follows:
      - Books and supplies are calculated at 50% through the third week of the semester and 100% after the third week.
      - Room, food, personal, transportation, and child care are pro-rated weekly or any fraction thereof at a rate of 1/36th per week.

5. Glendale Community College will take the following steps to contact students and request repayments:
   a. A letter of explanation/invoice will be sent to the student.
   b. The debt will be posted to the students’ record which will block the student from future registration and hold all student transcripts.

6. If a student received a cash disbursement of Title IV funds (other than FWS or Part B loans) and owes a repayment, a portion will be returned to the Title IV programs from which the student received funds. The Title IV portion of the repayment is the lesser of:
   a. The amount of Title IV funds received for the payment period or
   b. (Title IV Award*/Total Assistance*) x Overpayment
      *(Less FWS and Part B loans)

7. Repayments are distributed back to the Title IV programs in the following priority:
   a. Federal SEOG grants
   b. Federal Pell grants
   c. Cal Grants

   Repayments are returned to the appropriate program within 30 days of the date the student makes the repayment.

8. A student who owes a repayment on any Title IV program is ineligible for further Title IV assistance until the full repayment has been made. A notation will be made on outgoing financial aid transcripts for such students indicating an outstanding debt.

**REGISTRATION**

Each student must officially register in classes chosen from a Student Educational Plan. These classes constitute the official program of the student. Changes to this program may be made by completion of a program change (add/drop) form.

All continuing students register according to the dates and times assigned to them in the STARS postcard. To be classified as a continuing student the registrant must have been enrolled in the immediately prior semester or intersession.

All new and returning students register by appointment. The appointment time is issued by the Office of Admissions and Records at the time the Application for Admission is filed. To be classified as a returning student, the registrant must enroll in either a regular semester or an intersession after an absence of one or more semesters.
All continuing students may register by telephone. For information concerning this process, consult the semester Schedule of Classes or call the Office of Admissions and Records, (818) 240-1000.

After the beginning of the semester, students may:
- enroll in open semester-length courses through the first week of the semester without the permission of the instructor;
- enroll in closed semester-length courses with the permission of the instructor through the third week of instruction; and
- enroll in courses less than 18 weeks provided that 15% of the class meetings have not been held.

No registrations or adds of semester-length classes are allowed after the end of the third week of instruction.

Enrollment in classes becomes official only when the student files the proper registration forms and pays the appropriate fees.

No student will be enrolled in a class and have a grade recorded subsequent to the completion of a given semester unless it is established that the procedures for enrolling set up by the College are proved to have failed.

**RESIDENCE REQUIREMENTS**

The following statement of the rules regarding residency is intended for general information only. More detailed information can be obtained from the Office of Admissions and Records.

At the time of application and at registration each student is required to verify residence information. Even though a student may be otherwise admissible to Glendale Community College, the student may be classified as a tuition-paying student in accordance with the residence requirements.

A "resident student" means any person who can verify physical presence in California for one year or more on the day preceding the first day of instruction of a semester or intersession during which the person proposes to attend, who can demonstrate intent to make California a home for other than a temporary purpose and, if classified as a non-resident in the preceding term, financial independence.

Alien Students: A student who is an alien may establish his or her residence if he or she is not precluded by the Immigration and Nationality Act from establishing domicile in the United States.

A "non-resident student" means any person who has had residence in California for less than one year on the day preceding the first day of instruction of a semester or intersession during which the person proposes to attend.

A "non-resident student" may be admitted to Glendale Community College, but will be required to pay either an out-of-state or an international student tuition charge as appropriate to their circumstances. The tuition rates are established on a yearly basis. For information concerning the current rates please contact the Office of Admissions and Records.

In determining the place of residence the following rules are to be observed.*

1. There can be only one residence.
2. A residence is the place where one remains when not called elsewhere for labor or other special or temporary purpose, and to which he returns in seasons of repose.
3. A residence cannot be lost until another is gained.
4. The residence can be changed only by the union of act and intent.
5. A man or woman may establish his or her residence. A woman's residence shall not be derivative from that of her husband.
6. The residence of the parent with whom an unmarried minor child maintains his or her place of abode is the residence of the unmarried minor child. When the minor lives with neither parent his or her residence is that of the parent with whom he or she maintained his or her last place of abode, provided the minor may establish his or her residence when both parents are deceased and a legal guardian has not been appointed.
7. The residence of an unmarried minor who has a parent living cannot be changed by his or her own act, by the appointment of a legal guardian, or by relinquishment of a parent's right of control.
8. An alien, including an unmarried minor alien, may establish his or her residence, unless precluded by the Immigration and Nationality Act (8 U.S.C. 1101, et seq.) from establishing domicile in the United States.
9. The residence of an unmarried minor alien shall be derived from his or her parents pursuant to the provisions of subdivisions (f) and (g).

*California Education Code Section 68062

**STUDENT RECORDS**

Annually Glendale Community College informs students of the Family Educational Rights and Privacy Act of 1974, as amended; of the provisions of Sections 76200-76246 of the Education Code of the State of California; and of the provisions of Sections 54600-54650 of Title 5 of the California Administrative Code. These references, with which the institution intends to comply fully, were designated to protect the privacy of education records, to establish the right of students to inspect and review their education records, to provide the process by which students may challenge the accuracy of those records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with the Family Education Rights and Privacy Act Office (FERPA) concerning alleged failures by the institution to comply with the Act.

An institutional guide explains in detail the procedures to be used by the institution for compliance with the provisions of the Act. Copies of the guide may be found in the campus library as well as in the Office of Admissions and Records.

Questions concerning the Family Educational Rights and Privacy Act may be referred to the Office of Admissions and Records.
STUDENT RESPONSIBILITY

Glendale Community College provides its students with a wide variety of academic assistance and support services; however, it is the responsibility of each student to meet the requirements printed in the college catalog, the class schedule and college announcements.

The college establishes certain academic policies and requirements which must be completed before a degree or certificate can be granted. These include major and unit requirements, as well as verification of satisfying course prerequisites. Students also are responsible to see that they meet the admission requirements to the college or university of their choice if they elect to pursue an educational goal beyond their sophomore year. While counselors, faculty, administrators and staff will provide students with information and assistance, responsibility for meeting these requirements remains with the students.

To insure timely information and grade reports from the college, students must inform the Office of Admissions and Records of changes in personal data, including change of name and address. It is the student's responsibility to enroll properly for classes. A student who fails to enroll officially in a class will not be given credit for that class. While an instructor may drop a student for unsatisfactory attendance, it is the student's responsibility to withdraw officially from the college or drop classes when he or she stops attending and to observe established deadlines. Otherwise, "F" grades may be assigned.

Other areas regarding student responsibility are included in the catalog under sections for: Admission and Registration; and Scholarship Information and Regulations.

TRANSCRIPTS

Glendale Community College reserves the right to evaluate work completed in other colleges or universities if transcripts are submitted by an applicant. Transfers with acceptable grades will be granted advanced standing in-so-far as the work completely corresponds with that of Glendale Community College. Transfers accepted with previous college academic records below a "C" average will be placed on academic probation upon admission.

Transcripts should be sent directly from the high school or college to Glendale Community College. All transcripts become the property of Glendale Community College and will not be returned.

Upon the request of a student, a transcript of the student's record at Glendale Community College will be forwarded to a college or university, individual, firm, etc. providing that such student has no outstanding financial obligation to the college.
SCHOLASTIC INFORMATION AND REGULATIONS

ACADEMIC RENEWAL WITHOUT COURSE REPETITION

The following procedure provides an opportunity for students to obtain alleviation of previously recorded, substandard academic performance which is not reflective of subsequent demonstrated ability.

1. A student may request academic renewal (for not more than two consecutive semesters of work accomplished at Glendale Community College) through a petition to the Petitions Committee.

2. If and when the petition is granted, the student's permanent record will be annotated so that it is readily evident to all users of the record that no units for work taken during the disregarded term(s) even if satisfactory, will apply toward units for graduation or other unit commitment. However, all work will remain legible on the permanent record to insure a true and complete academic history.

3. Although none of the units completed during such semesters could count toward a degree, passing work could satisfy a major or general education requirement.

4. The student seeking academic renewal is responsible for presenting evidence to the effect that the previously recorded work was substandard academic performance (semester grade-point average less than 2.0) and is not reflective of more recently demonstrated academic ability.

5. Evidence of recent academic ability may include, but is not limited to, one of the following:
   a. 15 semester units with at least a 3.00 GPA
   b. 30 semester units with at least a 2.50 GPA
   c. 45 semester units with at least a 2.00 GPA

6. There must be at least 24 months between the end of the most recent academic renewal semester and the date of initiation of the request and such renewal.

7. A student may request academic renewal only once.

8. A student may repeat work taken during academic renewal semester only if such repetition is necessary to allow normal progression toward an acceptable educational objective.

9. A student must include all work, including academic renewal semesters, in computation of the cumulative grade-point average toward honors at graduation.

For further information regarding academic renewal contact the Office of Admissions and Records.

ATTENDANCE AND DROP POLICY

Students are expected to attend all class meetings. There are no authorized absences from class and irregular attendance may result in exclusion from classes.

It is the student's responsibility to register properly for classes. A student who fails to enroll officially in a class will not be given credit for that class.

Students also have the responsibility of officially withdrawing from college or dropping from class when they stop attending, and of observing established deadlines. Otherwise, "F" grades may be assigned.

It is the responsibility of each student to know the attendance and absence policy of each class in which he or she is enrolled. It is the responsibility of each instructor to inform his or her class of the attendance and absence policies at the beginning of each semester.

Students may be dropped from class for failure to attend all class meetings during the first week of instruction if they have not made prior arrangements with the faculty member. Students also may be dropped for continuous or cumulative absences for the number of hours an eighteen-week class is scheduled to meet in a two-week period.

CHANGE OF GRADES

The college recognizes the long-standing prerogative of faculty to set standards of performance and to apply them to individual students. Therefore, the instructor is considered to be the final authority in determining grades that are assigned to students and that appear on their permanent academic records. The following policies apply to changes of grades except for changes of Incomplete (I) and Withdrawal (W) grades.

1. In general, all course grades are final when filed by the instructor in the end-of-term course grade report. Each student is notified by mail of the grades earned during the term and these grades become a part of the official record.

2. A change of grade shall occur in cases of clerical error, administrative error, or where the instructor re-evaluates the student's performance and discovers an error in the original evaluation. A clerical error is an error made by the instructor in calculating or recording the grade. A change of grade shall not occur as a consequence of the acceptance of additional work or re-examination beyond the specified course requirements.

3. A request for a grade change shall be initiated by the student affected or by the instructor within the next regular semester following the award of the original grade. If the instructor determines that there is a valid basis for the change, a Change of Grade form shall be used to notify the Office of Admissions and Records. If the instructor determines that there is not a valid basis for the change and denies the student's request, the instructor's decision, subject to the appeals process described below, is final.

4. The Change of Grade form completed and signed by the instructor, noting the basis for the change, shall be approved by the division chairperson prior to being accepted by the Office of Admissions and Records. Once the change of grade is processed, students shall be notified by the Office Admissions and Records.

Students have the right to formally appeal the final grade in a course. Appeals are limited to situations in which the student believes the grade was prejudicially, capriciously, or arbitrarily assigned. Appeals must first be directed to the instructor of the course, orally or in writing. If further action is necessary, the student should appeal in writing to the division chair and then to the executive vice president, instructional services. If the
issue continues to remain unresolved, a written appeal can be directed to the college Judicial Board. (Students are referred to the college's Grievance Policy and Procedures as stated in the catalog and available at all counselors' offices and the Office of Admissions and Records.)

CLEARANCE OF OBLIGATIONS

Students or former students are expected to meet proper financial obligation due to the District. Pursuant to CALIFORNIA EDUCATION CODE, SECTION 72237, college services such as grades, transcripts, diplomas, registration privileges or any combination thereof may be withheld from any student or former student who has not made satisfactory arrangements to meet his or her financial obligation to the district. When, in the judgment of the district, the financial obligation has been satisfied, college services will be reinstated.

COURSE REPETITION

Repetition of courses is subject to the following conditions:

1. A course may be repeated once only when the grade received was substandard ("D,", "F," or "NC") or when a grade of "W" has been recorded. In instances where students may not repeat a course as a result of receiving one or more "W" grades, such students shall request waivers by petitioning to the college Petitions Committee. Such waivers shall be based on extenuating and verifiable circumstances which required the student to withdraw from the course.

2. In computing the grade-point average of a student who repeats with a "D" grade or better a course in which a "D" or "F" grade was received, only the most recently earned grade and grade points shall be used. After completion of a course, students should petition to have the Course Repetition Policy applied to their academic records. Nevertheless, the original grade on the academic record shall not be changed or eradicated.

3. Students may repeat courses in which they received grades of "A", "B", "C" or "CR" if it has been determined by the college Petitions Committee that a significant lapse of time has occurred since the student previously took the course. No additional units attempted or grade points are allowed for the repeated course.

4. Repetitions are permitted in specific classes in which skills or proficiencies are enhanced through supervised repetitions and practices, or where active participating experience in individual study or group assignments is the basic means by which learning objectives are achieved. Catalog descriptions of courses in which repetitions are permitted will include the number of repetitions permitted and/or the maximum number of units that may be earned through repetition. In no case may a course be repeated more than three times.

CREDIT FOR ADVANCED PLACEMENT EXAMINATIONS

Glendale Community College recognizes the Advanced Placement Program of the College Entrance Examination Board. Course credit is granted for Advanced Placement Examinations with a score of three or higher if the division concerned has determined that the material covered is comparable to a specific course offering within that division. In general, scores of 3 satisfy Glendale Community College's graduation requirements for the associate degree while scores of 4 and 5 satisfy requirements for CSU breadth and IGETC certification.

Credit for Advanced Placement will be granted only during the fall and spring semesters to students who have successfully completed or are enrolled in at least 12 units at Glendale Community College.

It is the student's responsibility to petition for credit through the Office of Admissions and Records. Since several universities require a minimum score in order to receive subject credit, students must discuss the applicability of AP credit with an academic counselor prior to submitting a petition to the Office of Admissions and Records.

Units for which credit is given pursuant to the Advanced Placement Examinations shall not be counted in determining the 12 semester hours of credit in residence required for graduation.

The maximum number of credits allowable for Advanced Placement and/or Credit by Examination shall not exceed 30 units. Credit by examination transferred from other institutions is counted toward this maximum.

Advanced Placement credit is granted for fulfillment of Glendale Community College's degree requirements, GE breath certification for the CSU, and IGETC. However, when a student transfers to any other college or university, that institution routinely re-evaluates Advanced Placement units in accordance with its own internal policies. Thus, Advanced Placement units remain intact and do not transfer as Glendale Community College courses.
<table>
<thead>
<tr>
<th>Name of Examination</th>
<th>Score</th>
<th>Credit Granted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art (History)</td>
<td>3, 4 or 5</td>
<td>3 units—GCC Humanities graduation credit</td>
</tr>
<tr>
<td>Art (Studio-Drawing)</td>
<td>3</td>
<td>3 units—elective credit toward graduation</td>
</tr>
<tr>
<td>Art (Studio-General)</td>
<td>4 or 5</td>
<td>See Division Chair</td>
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<td>Biology</td>
<td>3</td>
<td>3 units—GCC Natural Science graduation credit</td>
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<tr>
<td></td>
<td>4 or 5</td>
<td>4 units—credit for GCC's Biology 122</td>
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<tr>
<td>Chemistry</td>
<td>3</td>
<td>3 units—GCC Natural Science graduation credit</td>
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<tr>
<td></td>
<td>4 or 5</td>
<td>5 units—credit for GCC's Chemistry 110</td>
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<tr>
<td>Computer Science (A)</td>
<td>3</td>
<td>3 units—GCC Communication &amp; Analytical Thinking graduation credit</td>
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<tr>
<td></td>
<td>4 or 5</td>
<td>3 units—credit for GCC's CS/IS 130</td>
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<tr>
<td>Computer Science (AB)</td>
<td>3</td>
<td>3 units—GCC Communication &amp; Analytical Thinking graduation credit</td>
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<td>3 units—credit for GCC's CS/IS 130</td>
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<td>3</td>
<td>3 units—GCC Social Science graduation credit</td>
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<td>3 units—credit for GCC's Economics 101</td>
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<td>Economics (Macro)</td>
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<td></td>
<td>4 or 5</td>
<td>3 units—credit for GCC's Economics 102</td>
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<td>English (Lang. &amp; Comp.)</td>
<td>3</td>
<td>3 units—GCC English Composition graduation credit</td>
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<td></td>
<td>4 or 5</td>
<td>3 units—credit for GCC's English 101</td>
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<tr>
<td>English (Lit. &amp; Comp.)</td>
<td>3</td>
<td>3 units—GCC English Composition graduation credit</td>
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<td></td>
<td>4 or 5</td>
<td>3 units—credit for GCC's English 101</td>
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<td>French Language</td>
<td>3</td>
<td>3 units—GCC Humanities graduation credit</td>
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<td></td>
<td>4 or 5</td>
<td>10 units—credit for GCC's French 101-102</td>
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<td>French Literature</td>
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<tr>
<td></td>
<td>4 or 5</td>
<td>3 units—credit for GCC's French 124</td>
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<tr>
<td>German Language</td>
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<td>3 units—GCC Humanities graduation credit</td>
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<tr>
<td></td>
<td>4 or 5</td>
<td>10 units—credit for GCC's German 101-102</td>
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<td>Government &amp; Politics: United States</td>
<td>3</td>
<td>3 units—GCC American Institutions graduation credit</td>
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<td>3 units—credit for GCC's Political Science 101</td>
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<td>Government &amp; Politics: Comparative</td>
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<tr>
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<td></td>
<td>4 or 5</td>
<td>6 units—credit for GCC's History 101-102</td>
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<td>3 units—credit for GCC's Mathematics 100</td>
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<tr>
<td></td>
<td>4 or 5</td>
<td>5 units—credit for GCC's Mathematics 103</td>
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<tr>
<td>Mathematics: Calculus BC</td>
<td>3</td>
<td>3 units—credit for GCC's Mathematics 100</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>5 units—credit for GCC's Mathematics 103</td>
</tr>
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<td></td>
<td>5</td>
<td>10 units—credit for GCC's Mathematics 103-104</td>
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<tr>
<td>Music: Theory</td>
<td>3</td>
<td>3 units—GCC Humanities graduation credit</td>
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<tr>
<td></td>
<td>4 or 5</td>
<td>3 units—credit for GCC's Music 102</td>
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<tr>
<td>Physics B</td>
<td>3</td>
<td>3 units—GCC Natural Science graduation credit</td>
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<td></td>
<td>4 or 5</td>
<td>3 units—credit for GCC's Physics 110</td>
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<td>Physics C</td>
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<td>3 units—GCC Natural Science graduation credit</td>
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<tr>
<td></td>
<td>4 or 5</td>
<td>3 units—credit for GCC's Physics 110</td>
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<td>Psychology</td>
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<td>4 or 5</td>
<td>3 units—credit for GCC's Psychology 101</td>
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<tr>
<td>Spanish Language</td>
<td>3</td>
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<tr>
<td></td>
<td>4 or 5</td>
<td>10 units—credit for GCC's Spanish 101-102</td>
</tr>
<tr>
<td>Spanish Literature</td>
<td>3</td>
<td>3 units—GCC Humanities graduation credit</td>
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<tr>
<td></td>
<td>4 or 5</td>
<td>3 units—credit for GCC's Spanish 124</td>
</tr>
</tbody>
</table>
CREDIT BY EXAMINATION

Upon consent of the instructor and under special circumstances students who are regularly enrolled in good standing, have completed 12 or more units in residence, and believe they are qualified by experience or previous training, may apply to take a special examination to establish credit in a course in which they are not formally registered.

Students may not petition for credit by examination if they enrolled in the course and received a letter grade of "I," "D" or "F." Students may not petition for credit by examination for a course if that course is at a lower level in the subject sequence than a course for which the student has already received credit through completion of the course.

Students may attempt Credit by Examination only once in a particular course. If a course has already been taken for credit, it is not repeatable for Credit by Examination.

Students wishing to challenge courses approved by examination must obtain the form "Petition for Credit by Examination" from their counselor and discuss eligibility according to criteria set up by the college. An interview must be requested with the instructor of the course at which time the students' qualifications for challenging the course will be determined and arrangements will be made for the examinations.

Units for which credit is given pursuant to these examinations will not be counted in determining the 12 semester hours of credit in residence required for graduation.

Courses open to Credit by Examination include the following:

- Accounting 105, 110
- Administration of Justice 101, 108, 110, 116, 118, 120
- Allied Health (Nursing) (all except 140, 141)
- Architecture 101
- Aviation and Transportation 114 (Student must hold a Commercial Pilot Certificate)
- Aviation and Transportation 117 (Student must hold a Flight Instructor Certificate)
- Aviation and Transportation 119 (Student must hold a Private Pilot Certificate)
- Aviation and Transportation 120 (Student must hold a Private Pilot Certificate)
- Aviation and Transportation 122 (Student must have an Instrument Rating)
- Aviation and Transportation 125 (Student must have an Instrument Rating)
- Biology 127, 128, 132, 135, 146
- Business Office Technology 106, 120, 155, 205
- Chemistry 101, 102, 110
- Computer Science/Information Systems 105, 110
- Cosmetology 111, 112
- Drafting 129, 131, 141
- Economics 101*, 102*
- Egyptian Hieroglyphs 101, 102
- Electronics and Computer Technology 101, 102, 103, 110
- Engineering 101
- English 101*
- Fashion Design Merchandising 102
- Geology 101, 105, 110
- Health 101, 102, 104, 107, 109, 110
- History 107*, 108*, 117*, 118*
- Machine Technology 101, 111
- Metallurgy 150
- Nursing Science (all)
- Political Science 101*, 105
- Psychology 101*
- Sociology 101*
- Technical Education 142, 143
- Television 101

NOTE: No student may earn more than 12 units by "examination" only.
*Also available through CLEP.
+Also available through CLEP. CLEP candidates must take College Composition with Essay.

College Level Examination Program Policy (CLEP)

The College Level Examination Program is designed to award academic credit to students who have completed 12 or more semester units in residence at Glendale Community College with a cumulative grade-point average of at least 2.0 and have gained the equivalency of college course work through means other than enrollment in a formal college program. Six (6) units of elective credit will be granted in each of five subject areas to students who achieve a percentile rank of fifty (50) or higher on each examination. The maximum credit is thirty (30) units. The five general areas are: English composition, humanities, mathematics, natural sciences and social sciences and history.

Glendale Community College also grants credit for many of the various subject examinations. For amount and type of credit awarded contact Admissions and Records or your counselor. Students transferring to other colleges and universities should check with the receiving institution as to the awarding of credit for both the general examinations and the subject examinations.

Units for which credit is given pursuant to these examinations will not be counted in determining the 12 semester hours of credit in residence required for graduation.

CREDIT FOR MILITARY TRAINING

Glendale Community College will recognize and grant credit to veterans for educational training completed in the armed forces provided such credit is not a duplication of work taken previously. College work completed through the United States Armed Forces Institute will be accepted. In order to receive credit for military training, veterans must petition for such credit and present authentic military service and training records including a copy of discharge papers.

Applicants desiring credit for military training will be required to provide appropriate documents before credit for military service can be granted. Credit awarded for military training will include subject credit for hygiene toward the Associate degree.

CREDIT/NO CREDIT COURSES

There are two categories of Credit/No Credit courses.

The first category consists of those courses which must be taken on a Credit/No Credit basis only. Courses which fall into this category include:
Accounting 121
Allied Health 108, 122, 123, 145
Armenian 110, 111
Art 158
Business Office Technology 130, 200
Chinese 110, 111, 112
English 152, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192
English as a Second Language 115, 116, 117, 127, 177
French 110, 111, 113
German 110, 111
Independent Studies 101
Internship 150
Italian 110, 111
Japanese 110, 111
Korean 110, 111
Mathematics 151, 152, 153, 180, 190
Music 140, 239
Nursing Science 101, 102, 201, 202, 203, 204
Photography 104, 119
Physical Education 101
Russian 110, 111
Social Science 146
Spanish 110, 111, 117, 118
Speech 150, 151, 152, 153
Student Development 100, 102, 103, 104, 115, 120, 125, 126, 127, 128, 141, 142, 143, 144, 150, 155, 165

The second category consists of courses which may be selected at the student’s option. The student must utilize the Petition for Credit/No Credit Class and have it on file in the Office of Admissions and Records before Monday of the fifth week for a semester-length class or before Wednesday of the second week for all other classes.

Students electing to take classes on a Credit/No Credit basis participate in the class as a regular student. If the grade awarded by the instructor is “C” or higher, the course grade is recorded as “CR”. If the instructor-assigned grade is “D” or “F,” the course grade is recorded as “NC”.

All units earned on a Credit/No Credit basis in accredited institutions of higher education will be counted in satisfaction of Glendale Community College curriculum requirements.

Units earned on a Credit/No Credit basis will not be used to calculate grade point averages. However, units attempted for which “NC” is recorded shall be considered in progress probation and dismissal procedures.

Students not on probation and enrolled for six or more units (or three or more units in a summer session) may designate one course for Credit/No Credit. The course designated must be outside of courses required for the student’s major. The number of Credit/No Credit units earned may not exceed twelve (12), exclusive of those earned in courses which are graded only on Credit/No Credit, with no more than one such course option during any semester or summer intersession.

Courses which may be selected by petition for Credit/No Credit follow:

Accounting 105, 106, 110, 111, 120, 130, 150, 155, 160
Alcohol/Drug Studies 101, 110, 115
Anthropology 101, 102, 103
Architecture (all)
Armenian 115, 116
Art (all except 158)
Biology 127, 128, 131, 132, 135, 139, 145, 146
Business Administration (all)
Business Office Technology (all except 130, 200)
Chemistry 110, 114, 143
Child Development (all except 158, 175, 176)
Clothing and Textiles 105
Culinary Arts (all except 128)
Dance (all except 158, 160, 171)
Economics 101, 102, 107
Egyptian Hieroglyphs 101, 102
Electronics and Computer Technology 106, 107, 111, 112, 212, 222, 226
English as a Second Language 123, 125, 133, 135, 141, 145, 151, 155
Ethnic Studies 101, 102, 110, 111, 122, 124, 132, 164
Fashion Design Merchandising (all)
Fire Science (all)
Geography 110, 111
Geology 101, 105, 110
German 125, 126
Health 101, 102, 104, 107, 109, 110
Humanities 101, 102, 105, 110, 111, 117, 120, 125, 130, 135
Independent Studies 149
Mathematics 101, 140, 141, 145, 146, 158
Music (all except 140, 239)
Paleontology 101
Philosophy (all)
Photography (all except 104, 119)
Physical Education 105, 120-286, (except 128, 228) 288-295
Physical Science 131
Physics 110
Political Science 102, 106, 107, 110, 111, 151
Psychology (all)
Real Estate (all)
Sign Language 101, 102, 103
Social Science 102, 103, 122, 124, 125, 126, 127, 134, 136, 145
Sociology (all)
Spanish 115, 116, 125, 126, 127, 128
Special Projects 150
Speech 104, 105
Student Development 145
Technical Education 147
Television 101, 102, 104, 111, 218
Theatre Arts 101, 102, 103, 104, 107, 109, 110, 121, 122, 123, 129, 130, 131, 134, 140, 151
FINAL EXAMINATIONS
At the end of each semester a special final examination schedule is followed. Students must attend all classes in accordance with the special schedule for that period. This arrangement permits the giving of final examinations in those classes which require them and the completion of the instructional program in the other classes. No student shall be excused from taking a final examination where such is required as part of a course.

GENERAL CONDUCT
In order to provide a positive educational environment and maintain the health and safety of the campus community, the Board of Trustees of Glendale Community College has established the Standards of Student Conduct. Consistent with applicable laws, the Standards of Student Conduct prohibits students from engaging in unethical, disruptive, threatening, or physically abusive behavior on college premises.

Students who violate college policies and behavioral regulations shall be subject to the disciplinary procedures outlined in the Standards of Student Conduct. Prohibited conduct that may subject a student to disciplinary sanctions includes, but is not limited to, the following:

1. Failure to comply with directions of GCC officials or law enforcement officers acting in the performance of their duties; failure to identify oneself or provide identification to these persons when requested to do so.
2. Cheating, plagiarism, or other violations of the Academic Honesty Policy.
3. Forgery, alteration, or misuse of GCC documents, records, or identification.
4. Disruption or obstruction of teaching, research, administration, disciplinary proceedings, and all other GCC activities including its community service functions, both on or off campus, or other authorized non-GCC activities when the act occurs on GCC premises.
5. Assault, battery, or any other physically abusive behavior that threatens or endangers the health and safety of a member of the campus community or campus visitor.
6. Theft or attempted theft of GCC property, or property of a member of the campus community or campus visitor.
7. Unauthorized possession or duplication of keys to any GCC premises, or entry into any GCC premises, or use of GCC supplies and equipment.
8. Violations of GCC rules, Board policies, and administrative regulations.
9. Violation of judicial and statutory standards of obscenity; engaging in lewd or indecent behavior on campus or at a campus function.
10. Use, possession, or distribution of narcotics, other legally controlled substances, or alcoholic beverages except as expressly permitted by law and GCC regulations.
11. Illegal or unauthorized possession or use of firearms, explosives, other weapons, or dangerous chemicals.

Authorized disciplinary sanctions for violations of student behavioral regulations include, but are not limited to reprimand, loss of privileges, restitution, dismissal from class, suspension, and expulsion. The college administers these sanctions through the established system of due process that is outlined in the Standards of Student Conduct. Students who believe the college has infringed upon their rights are encouraged to address their complaints through the grievance process (see Grievance Procedures). Complete copies of the Standards of Student Conduct, Procedural Guidelines, and Disciplinary Action are available in the Student Activities Office located in the Campus Center.

POLICY ON ACADEMIC HONESTY
College study is the process of acquainting students with values and procedures central to scholarship. All students are expected to do their own work. All forms of cheating and plagiarism are absolutely forbidden. This is the official policy of Glendale Community College.

The following behaviors serve as an operational description of student violations of academic honesty:

1. The student takes or copies answers from another student or source or uses unauthorized materials during a test.
2. The student turns in an assignment (labs, art projects, homework, prewritten or purchased papers, or work downloaded from the Internet) which is not his/her own.
3. The student uses words or ideas which are not his/her own without acknowledgment of the source (plagiarism).
4. The student knowingly deceives an instructor with the intent to improve his/her standing in class.
5. The student submits the same paper or project previously submitted in another class without the permission of the current instructor.
6. The student depends upon tools or assistance prohibited by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments.
7. The student acquires, without permission, tests or other academic materials belonging to a member of the GCC faculty or staff.

When a student engages in academic dishonesty, faculty have the options of requiring the student to see a college counselor, assigning a lower or failing (F) final grade in the course (or denying promotion from a non-credit course). Violations of this Policy will be reported to the Executive Vice President of Instruction and will become part of the Glendale College Cheating Incident file, unless the instructor finds compelling reasons not to report a violation. The Executive Vice President of Instruction may then impose sanctions authorized by Administrative Regulation 5420. The sanctions include, but are not limited to, issuing a reprimand, suspending the student for up to ten days of instruction, and/or requesting a hearing by the Campus Judicial Board to see if the student should be suspended, or permanently expelled from the college.
The student has the right of due process for all the above sanctions.

**GRADES, GRADE POINTS, AND GRADE-POINT AVERAGE**

The standing of students in each course will be determined by class work and examinations. Grades will be reported and grade points allowed as follow:

A - Excellent ...................................... 4 grade points per unit
B - Good .......................................... 3 grade points per unit
C - Satisfactory ................................. 2 grade points per unit
D - Passing (less than satisfactory) ...... 1 grade point per unit
F - Failing ......................................... 0 grade points
    (cannot be removed by examination)
CR- Credit (at least satisfactory—units awarded, not counted in GPA)
NC- No Credit (less than satisfactory or failing—units not awarded in GPA but included in computation of progress probation)

**Grade-Point Average**

The grade-point average is computed by dividing the total number of grade points earned by the numbers of units attempted. A "W" grade does not enter into computation of the grade-point average. Also, such computations do not include the unit value of courses for which "CR" or "NC" are recorded or for courses completed under the regulations established for credit by examination. If a course is repeated for the purpose of improving previous substandard work, the units attempted and grade points earned are counted only once and according to the higher grade earned in the course. If the grade is the same in both cases, the units attempted and grade points will be counted only once. An "I" made up carries the grade points per unit appropriate to the grade given on makeup.

**Non-Evaluative Symbols**

Units for which the following grading symbols have been assigned will not be counted in the computation of the grade-point average.

I - Incomplete (Included in the computation of progress probation)
W - Withdrawn (Included in computation of progress probation)
IP - In Progress—To be used when class extends beyond the normal end-of-an academic term
RD - Report Delayed
MW - Military Withdrawal — The "MW" shall be assigned only for students who are members of an active or reserve military service, and who receive orders compelling a withdrawal from courses. Upon verification of such orders, this symbol may be assigned. (The "MW" shall not be counted in progress probation and dismissal calculations.)

An incomplete grade may only be given when an unforeseen emergency prevents a student from completing work in a course. The incomplete grade must be removed by the end of the sixth school week after the beginning of the semester subsequent to the one in which the incomplete grade was received, regardless of whether the student re-registers. The nature of the unforeseen emergency and the conditions for removal of the "I" shall be stated by the instructor in a written record. The record shall indicate the grade to be assigned in lieu of the removal of the "I". The student and the Office of Admissions and Records must be furnished copies of the record. A final grade shall be assigned when the work stipulated has been completed and evaluated or when the time limit for completing the work has passed.

A student may file a petition to the Petitions Committee for a time extension due to unusual circumstances.

**GRIEVANCE PROCEDURES**

**Preliminary Action**—As a student enrolled at Glendale Community College, if you feel that you are being treated unfairly by a college staff member, and feel uncomfortable resolving the matter through informal discussion with the person involved, then you may take it to the appropriate division chair or administrator.

If you have a complaint against another student, you may take the complaint to the: Vice President, College Services; Dean, Student Services; Dean, Student Activities; or the Dean, Admissions and Records. You may determine who is the most appropriate administrator to see.

If you have a complaint against a faculty member, you may take the complaint to the Executive Vice President, Instructional Services. If your complaint is against a counselor, you may take the complaint to the Dean, Student Services.

If you have a complaint against a college administrator, you may take the complaint to the College Superintendent/President.

The administrator holding the informal hearing will: arrange a joint meeting with the persons involved to hear both sides of the complaint; insure that each side has ample opportunity to state its case; and attempt to resolve the matter through a compromise, negotiated settlement, or recommend that the person at fault make the necessary correction.

If you make a complaint and you are not satisfied with the solution obtained by the informal hearing, you may submit your signed complaint in writing to the chairman of the Glendale Community College Judicial Board.

**Formal Hearing**—The chairman of the Glendale Community College Judicial Board will convene a formal hearing within one week of the receipt of a written complaint. He or she will also determine the members from a list of persons who previously had been approved for membership in each case according to the type of grievance:

1. When a student is named as a defendant in a complaint, the Judicial Board will consist of two students, two faculty members, including the chairman, and one administrator.
2. When a faculty member or an administrator is named as the
defendant in a complaint, the Judicial Board will consist of
three faculty members, including the chairman, and two
administrators.

At the formal hearing both sides will be permitted to submit
evidence, present witnesses, testify, and cross examine. Each
side may be represented by counsel of its own choosing. The
person making the charge shall assume the burden of proof.
The hearing shall be closed to the public unless the defendant
requests an open hearing.

After both sides have presented their cases and been excused,
the Judicial Board will discuss the extent to which the com-
plaint is proved. The Judicial Board will reach its decision and
recommendation by majority vote on a motion made by a
member.

Disposition of the Case—The Judicial Board may find that a
grievance is: not proved; proved only in part but not com-
pletely; or proved, which is a confirmation that a grievance has
occurred.

The Judicial Board recommendations will be referred to the
Superintendent/President who will act upon them according to
his or her best judgment within the responsibilities of his or her
office.

Appeals—A student who received an unfavorable judgment
may appeal the recommendation of the Judicial Board to the
College Superintendent/President. The college Superinten-
dent/President may reduce but not increase the recommenda-
tion of the Judicial Board.

What Can You Grieve?—The student grievance process is
intended to evaluate the fairness of specific actions that are
thought to be unfair, thereby causing a grievance.

It does not replace the actions which may be taken by the
faculty members and administrators in the normal performance
of their duties.

The Glendale Community College Judicial Board will not have
jurisdiction in cases which would involve an over-all evalua-
tion of the professional competence of a faculty member or an
administrator.

Additional details of the grievance policy can be obtained from
your counselor, a division chair, the Vice President, College
Services, or the Executive Vice President, Instructional Ser-
vices.

HONORS

Honors at Entrance

Honors at Entrance is granted to selected graduates of accred-
ited United States high schools who have obtained a 3.5 or
higher in their sophomore and junior years and first semester
of the senior year. The student must be a first semester
freshman and be enrolled in the college full-time. Students
must apply for Honors at Entrance and submit official copies
of their high school transcripts to the Office of Admissions and
Records. Grades in physical education and military science
courses are not included when calculating the grade-point
average.

Dean's Honors

A Dean's Honors List is published each semester. It includes all
students whose semester grade-point average is 3.50 or higher
in 12 or more units; 3.75 to 3.99 in 9 to 11.5 units; or 4.00 in 6
to 8.5 units, with grades of A, B or C.

Dean's Honors will be posted each semester to the students' permanent academic records.

Academic Honors at Graduation

Academic Honors are awarded to students at graduation who have achieved a grade-point average of 3.5 or above in
all work at Glendale Community College and in all work attempted.

PETITIONS PROCEDURE

Students feeling in their case that there are circumstances
warranting special consideration for adjustment or deviation
from established procedures and policies of the college may
file a petition with the Petitions Committee.

REMEDIAL COURSEWORK LIMIT POLICY

Glendale Community College offers remedial coursework
through pre-collegiate basic skills courses in reading, writing,
learning skills, study skills, mathematics, and English as a
Second Language. These courses are designated as non-degree
applicable credit courses.

A student's need for remedial coursework shall be determined
by the student's counselor through the use of the appropriate
assessment instruments. Once enrolled, no student shall at-
tempt and/or receive more than 30 units of credit for remedial
coursework at Glendale Community College.

The following students are exempted from the limitation on
remedial coursework:

1. Students enrolled in one or more courses of English as a
   Second Language.

2. Students identified by the Disabled Student Program and
   Services as being eligible for their learning disability ser-
   vices.

3. After attempting and/or completing 30 semesters units of
   remedial coursework and showing satisfactory progress by
   maintaining a 2.00 cumulative grade-point average, students
   may be allowed additional units of remedial coursework
   upon petition to the College Petitions Committee. If a waiver
   of the 30 unit limit is granted, the committee will specify the
   additional course(s) in which the student may enroll as well
   as any other conditions which the student must meet to
   satisfy the waiver. Progress shall be monitored on a semes-
   ter basis.

A student not exempted from the 30 unit limitation shall be
dismissed from the credit program and referred to adult non-
credit education courses. Upon successful completion of
appropriate remedial coursework or upon demonstration of
skills which will reasonably assure success in college-level
courses, the student may request reinstatement to the credit
program at the college in order to proceed with college-level
coursework.
STANDARDS OF SCHOLARSHIP

Glendale Community College interprets a "C" average as a satisfactory scholarship standard—which means that the student should receive grade points equal to twice the number of units attempted.

Students who fail to maintain satisfactory scholarship may be placed on academic or progress probation and may be dismissed.

1. Academic Probation
A student will be placed on academic probation if the student's cumulative grade-point average for all units attempted at accredited postsecondary institutions is less than 2.0. Glendale Community College recognizes academic probationary status assigned by another college or university.

2. Progress Probation
A student who has enrolled in a cumulative total of at least nine (9) units shall be placed on progress probation if the percentage of all units in which a student has enrolled at accredited postsecondary institutions for which grades of "W", "I" and "NC" are recorded reaches or exceeds fifty percent (50%). Glendale Community College recognizes progress probationary status assigned by another college or university.

3. Dismissal
a. A student on probation (academic, progress or a combination of both) who earns any form of probationary status during enrollment in two consecutive semesters of attendance shall be dismissed and shall not be reinstated until at least one semester has elapsed after the dismissal. An exception is made for students whose first dismissal occurs at the end of the fall semester. Students who reenroll in the subsequent spring semester are allowed to continue pending the determination of their academic status at the end of the spring semester. Glendale Community College recognizes academic dismissal assigned by another college or university. Students dismissed from other colleges or universities must abide by the procedures for students dismissed from Glendale Community College with respect to seeking readmission after dismissal.

b. A student having been readmitted on probation after academic dismissal must maintain a semester grade-point average of at least 2.0 and must not be placed on progress probation. If either the semester grade-point average falls below 2.0 or the student is assigned the progress probation status, that student will again be dismissed for one semester.

Appeal for Reinstatement
Following the notification of dismissal from the college, students may appeal to the dean of admissions and records for reinstatement if unusual and verifiable circumstances caused dismissal. These circumstances could be, but are not limited to, family emergency, health problems, or extreme financial difficulty.

Timeline for Appeals
Appeals for reinstatement into the fall semester must be received by the dean of admissions and records by August 1. For the spring semester, students must petition for reinstatement by the Friday prior to the beginning of classes. If students have been dismissed, they will not automatically be readmitted after one term of dismissal. Their entire record will be reviewed prior to consideration for reinstatement.

Financial Aid Satisfactory Progress Policy
In order to receive financial aid, students must meet the Glendale Community College Standards of Scholarship while enrolled. In addition, students are expected to meet the following standards during periods of enrollment for which federal or state financial assistance is received.

1. Eligible Program—A student must enroll in an eligible educational program which leads to a degree or certificate that the student has not previously earned and which requires at least six months of study.

2. Review of Previous College Records—Previous education at Glendale Community college and/or units completed at other accredited institutions will be evaluated in determining the student's maximum time period for Title IV funds. Students are expected to make satisfactory progress according to the college's standards of scholarship during all periods of enrollment whether or not they are receiving Title IV aid. Students on academic and/or progress probation are eligible to receive Title IV aid during their probationary semester(s).

3. Incremental Periods for Review of Satisfactory Progress—Under both the college's general satisfactory progress standards for academic or progress probation/dischal, as well as its financial aid satisfactory progress standards of unit completion, the student's progress shall be evaluated after the completion of each academic year. i.e., spring/summer semesters.

4. Change of Educational Objective—Students remain subject to the maximum time frame as long as they continue to pursue the same educational objective. The college allows students to change their educational objective and allows for the reevaluation of the maximum time frame without regard to the time spent pursuing the previous educational program until the 72 unit maximum is reached. No change of educational objective is permitted after students have reached the 72 unit maximum, unless there are extenuating circumstances. Prior educational work completed is evaluated according to Standard 2 above, using only those units which are applicable toward the students new educational goals.

5. Grades of F, W, NC, and IP will not count as units completed.

6. Course repetitions within college policy will be allowed.

7. Maximum Time Frame for Completing Educational Goal—Students are allowed a maximum of 72 degree applicable units within which to complete their educational objective. Remedial course work may not exceed a 30 unit maximum. Students enrolled full-time are expected to complete 24 units during the academic year. Students enrolled three quarter, half-time, or less than half-time must complete the required minimum 18, 12, or 2 unit(s) relative to appropriate enrollment status.
8. **Financial Aid Probation**—During any academic year in which Title IV aid is received, students are expected to complete a minimum of 24, 18, or 12 units relative to full-time, three-quarter time, or half-time enrollment status upon which receipt of the aid was determined; i.e., students receiving a Pell Grant based on the full-time payment schedule must complete 24 units during the academic year. Students receiving only SEOG, FWS, and/or a Stafford loan must complete a minimum of 6 units each semester or 12 units for the school year. Students who complete less than the number of units for which they were paid aid during the academic year are placed on financial aid probation for the subsequent school year. Students on financial aid probation are considered to be making satisfactory progress for the purposes of receiving Title IV aid, including students who completed zero units during the previous semester.

Students who fail to complete all units for which they were paid during the semester are sent a warning letter when grades are posted. Students who fail to complete all units for which they were paid during the academic year are placed on financial aid probation and are sent a probation letter at the end of spring/summer semester.

9. **Financial Aid Dismissal**—A student who does not complete a minimum of 24, 18, or 12 units relative to full-time, three-quarter time, or half-time status for two consecutive academic years on aid will be placed on unit dismissal. A student who has reached or exceeded the 72 unit maximum time frame without completing his/her educational objective is placed on term dismissal. In addition, students who are dismissed from the college for failure to meet its general standards of academic and/or progress probation are also no longer eligible to receive further Title IV aid. Once a student earns the 72 degree applicable units allowed under the college's maximum time frame standard, the student is no longer eligible to receive Title IV aid.

10. **Academic Contracts**—Students who have reached their maximum time frame without completing their educational objectives and who successfully appeal their dismissal from Title IV aid are placed on Academic Contracts. An Academic Contract lists the specific courses the associate dean for financial aid and/or the Financial Aid Appeals Committee has approved the students to take to complete their educational goals. Students on an Academic Contract are considered eligible for Title IV aid, but they are paid only for specific classes required to complete their educational objective.

11. **Academic Contract Dismissal**—Students on an Academic Contract who fail to meet the conditions of the contract are dismissed from further Title IV aid and are sent an Academic Contract dismissal letter.

12. **Appeal Procedures**—Students dismissed from financial aid for failure to meet either the college's general standards, the financial aid standards, or for failure to complete their educational goals within the maximum time frame provided may appeal. Please see the Financial Aid Office regarding the appeals process and appropriate forms. Students must submit a current Student Educational Plan and a completed appeal form listing the reasons they did not meet the progress standards, listing tutorial and/or other service used, and detailing their educational plans for achieving satisfactory progress if further aid is approved. In case of grade changes, an updated transcript showing grades must be provided to Financial Aid. Students who successfully appeal their termination from aid for failure to complete their educational goals within the maximum appeal are placed on an Academic Contract.

**UNIT OF WORK**

The credit value in semester units of each course is indicated after the title of the course under "Course Descriptions." Each unit represents one hour per week of lecture or discussion, or a longer time in laboratory or other exercises not requiring outside preparation. For each hour of lecture-discussion, two hours of preparation are assumed.

**UNIT LIMITATIONS**

The students' program of studies will vary according to their needs and objectives. Students registered in 12 or more units are classified as full-time students; those registered for less than 12 units are classified as part-time students. The academic load carried should be in line with the best combined judgment of the student and the counselor. The college recommends that students who are working 20 hours per week should carry no more than 10 units; 30 hours per week, no more than 8 units; and 40 hours per week, no more than 6 units. Individuals having health problems should make proportionate adjustments in their college programs.

A first semester student, one who has not completed at any college one semester of resident study of 12 semester units of credit or a quarter of resident study of 8 semester units of credit, should not register for more than 16 units plus one unit of music performance and a physical education activity. Students may not register in more than 19 semester units without special permission. These unit limitations apply to the total of day and evening college courses.

**WITHDRAWAL/COURSE DROP POLICY**

Once enrolled in courses, students are not considered to have dropped or withdrawn unless add/drop forms have been filed with the Office of Admissions and Records. Failure to attend class does not constitute withdrawal.

No notation will be made on the permanent academic record of a student who drops or is dropped from the course or from college:

- during the first two weeks of a semester-length course;
- during the first week of a course which is at least six weeks in length and less than a semester in length; or
- during the first 20% of a course which is less than six weeks in length

Students who drop or are dropped from semester-length courses after the second week and prior to the end of the tenth week will receive grades of "W" on their permanent academic records. The same notation will appear for students in eight and nine-week courses who drop after the end of the first week and by the end of the fifth week.
In order to receive a grade of "W" in a six-week summer intersession course, a student must drop by the end of the third week.

Courses that last less than eighteen weeks adhere to a pro rata schedule for deadlines.

Upon petition, students may drop or be dropped subsequent to the designated deadlines for extenuating circumstances. The petition must be received by the chairperson of the Petitions Committee within the first semester following the semester or term in which the course was scheduled. Extenuating circumstances are verified cases of accident, illness or other circumstances beyond the control of the student. Such withdrawals or drops shall be recorded as a "W."

Students not dropped or withdrawn from courses during the periods and circumstances described above will not be eligible for a grade of "W" and must be assigned a letter grade in the "A" through "F" category, or "CR/NC" in those courses so designated.

The Student Dance Performance draws a full house for nine performances each spring.
GRADUATION REQUIREMENTS

The Associate degree is granted to persons who file a Petition for Graduation in the Office of Admissions and Records, who are not on academic probation, and who have completed a minimum of 12 of the last 18 semester units of the required college curriculum of 60 degree applicable semester units at Glendale Community College. The satisfactory completion of the required 60 semester units must include all of the following:

MAJOR

1. A major leading to a well-defined objective. When a course(s) required for a specific major is also on the list of approved general education courses, the course(s) may be used to satisfy both major and general education requirements. The requirement for the Associate in Arts degree may be met by completing an 18 semester unit major in:
   - Biological Sciences
   - Business Administration
   - Choreographic Studies and Dance Technique
   - English
   - Foreign Language
   - Interdisciplinary Humanities
   - Liberal Arts
   - Mathematics
   - Media/Communications
   - Music
   - Physical Education
   - Physical Science
   - Social Science
   - Speech/Communications
   - Theatre Arts
   - Visual Arts

Courses meeting the specific major requirements are listed in the Glendale Community College Catalog.

The requirement for the Associate in Science degree may be met by completing a Glendale Community College Certificate Program of 24 semester units or more. The certificate program must be approved by the appropriate division as a satisfactory major for the Associate in Science degree. The certificate programs that satisfy the major requirement for the Associate in Science degree may be found in the Glendale Community College Catalog.

AMERICAN INSTITUTIONS

2. Knowledge of American Institutions is required. Courses which satisfy this requirement include Political Science 101, 105, 151***; Social Science 125-126**, 132***.

STATE & LOCAL GOVERNMENT

3. Knowledge of State and Local Government is required. Courses which satisfy this requirement include Political Science 106, 151***; Social Science 125-126**, 132***.

U.S. HISTORY

4. Knowledge of American History is required. Courses which satisfy this requirement include Economics 111/History 116; History 110, 111(CD), 117-118, 150, 151; Social Science 125-126**, 131.

MATHEMATICS

5. Satisfactory evidence of proficiency in mathematics must be given. Proficiency may be demonstrated by completion of, with a "C" or better grade, Mathematics 101, 115, 140 or Technical Education 143, or an equivalent course taken at any accredited college.

HEALTH

6. Knowledge of community and personal hygiene must be demonstrated. Health 104 or equivalent will satisfy this requirement.

PHYSICAL EDUCATION

7. Two semester units of physical education activity classes and/or dance activity classes must be completed unless exempted by established policy. Consult the catalog for a list of the exemptions.

FIRST AID

8. Knowledge of community first-aid and CPR must be demonstrated. Courses which satisfy this requirement include Health 101, 102 or 109.

CULTURAL DIVERSITY

9. One course in Cultural Diversity is required. Courses which satisfy this requirement have been marked by (CD) and appear throughout the graduation requirements. The requirement may be satisfied by completing any one of the graduation requirements with a course marked (CD) or by completing Child Development 156.

GENERAL EDUCATION

10. Eighteen (18) semester units of general education including at least one course in each of the following areas:

   a. Natural Science. At least one course (3 semester units) must be selected:
      Anthropology 101; Astronomy 101, 102, 103, 110, 120; Aviation and Transportation 122; Biology 101, 102, 112, 115, 118, 120, 121, 122, 123, 125, 126, 127, 128, 129, 130, 131, 132, 135, 137, 138, 139, 145, 146; Chemistry 101, 102, 103, 105, 106, 107, 110, 114, 115, 120, 121, 143; Geography 101, 111; Geology 101, 102, 103, 104, 105, 110, 111, 120; Oceanography 115, 116; Paleontology 101; Physics 101, 102, 103, 105, 106, 110; Physical Science 131; Technical Education 145.

   b. Social Science. At least one course (3 semester units) must be selected:
      Administration of Justice 111; Anthropology 102, 103; Business Administration 110; Economics 101, 102, 105; Ethnic Studies 101(CD), 102(CD), 110(CD), 111(CD), 112(CD), 114(CD), 132(CD), 164(CD); Geography 102, 105, 110, 114; History 101, 102, 103, 104, 105, 106, 107, 108, 109, 112, 113, 114, 115(CD), 119, 120, 121, 122, 131, 132, 133, 135, 136; Mass Communications 101; Political Science 102, 103, 109, 110, 111; Psychology 101, 103, 104, 105, 106, 108, 109, 110, 111(CD), 113(CD), 114, 115, 131; Social Science 121(CD), 122(CD), 123(CD), 124, 127(CD), 134, 136; Sociology 101, 102, 104, 105, 131.

   c. Humanities. At least two courses (6 semester units)—one from each of the two areas below must be selected:
1. Interdisciplinary Humanities—3 semester units required.
   Humanities 101(CD), 102(CD), 105(CD), 106, 110, 111, 115(CD), 117, 120, 125(CD), 130, 135(CD).

2. Arts, Foreign Language, Literature and Philosophy—3 semester units required.

d. Language and Rationality. At least two courses (6 semester units) from Language and Rationality must be selected.

1. English Composition—3 semester units required.
   Evidence of proficiency in written English is required. This requirement may be fulfilled by the completion of, with a "C" or better grade, English 101 or 120 or 131 or English as a Second Language 151 or Business Administration 106.

2. Communication and Analytical Thinking—3 semester units required.
   Accounting 101, 102, 105, 106; Business Administration 120, 125; Business Office Technology 102; Computer Science/Information Systems 101, 110, 120, 125, 127, 128, 130, 135, 137, 139, 140, 145, 150, 155, 156, 160, 165, 172, 180; Economics 107; English 102*, 104, 118; English as a Second Language 133, 141; Mass Communications 102, 107; Mathematics 100, 101, 102, 103, 104, 105, 107, 108, 110, 111, 112, 115, 128, 130, 135, 136, 138, 140, 141, 145, 146, 148; Philosophy 117; Political Science 107; Psychology 107; Sociology 107; Speech 100, 101, 103, 104, 105, 107; Technical Education 143.

NOTE: Graduation requirements 2, 3, 4, 6, and 8 can be satisfied by examination. See a counselor for details.

*Courses designated with an asterisk may be counted in one area only.
**These courses satisfy requirements 2, 3, and 4.
***This course satisfies 2 and 3.

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ASSOCIATE IN ARTS FOR TRANSFER STUDENTS

Students transferring to the California State University or the University of California, also wanting to earn an Associate in Arts degree may do so by completing a minimum of 60 degree applicable units, earning a cumulative GPA of 2.00 ("C") in all coursework attempted, and as part of the 60 units ALL OF THE FOLLOWING:

1. The 39 units as stipulated by Glendale Community College's Cal State Breadth certification (see page 67).

   OR

   The 37-39 units as stipulated by Glendale Community College's IGETC requirements (see page 66).

2. Glendale Community College's American Institutions, State and Local Government, and American History requirement (see numbers 2, 3, & 4 on page 51).

3. Glendale Community College's Cultural Diversity requirement (see #9 on page 51). This course may also be used in satisfying either Glendale Community College's Cal State Breadth or IGETC requirements.
MAJOR REQUIREMENTS FOR THE ASSOCIATE IN ARTS DEGREE

The following is a list of the majors and their requirements that satisfy the Associate in Arts degree for Glendale Community College.

Please note that all courses used to satisfy the major for the Associate in Arts degree must be completed with a grade of "C" or better.

BIOLOGICAL SCIENCE

Required: Biology 101, 102; Chemistry 101, 102; Mathematics 101.

BUSINESS ADMINISTRATION

Required: Accounting 101 (or 105 and 106), 102; Business Administration 101, 120; Computer Science/Information Systems 101 or 105.

CHOREOGRAPHIC STUDIES AND DANCE TECHNIQUES

Required: Biology 120, 121; Dance 111, 116, 121, 130, 131 or 132, 135 or 136, 140; Theatre Arts 103.

ENGLISH

Required: English 105-106 or English 109-110.


* A maximum of 6 units of English 103 and 112 combined may be counted toward the 18 units required.

FOREIGN LANGUAGE

Required: A minimum of 18 units in one of the following options:


Option 2: French 101, 102, 103, 104, 105, 106, 124, 125, 126.

Option 3: Ten (10) units in one foreign language and eight (8) in another.

INTERDISCIPLINARY HUMANITIES

Required: A minimum of 18 units in one of the following options:

Option 1: East-West Culture and Civilization

• Required: Humanities 101, 102, and either Humanities 105 or 110.

• Select 9 units from at least 3 of the following disciplines: Anthropology 101; Art 108, 109; Ethnic Studies 124, 164; History 107, 119, 120, 132, 135; Humanities 115; Philosophy 113, 114, 116, 119, 120, 121; Political Science 101, 111.

Option 2: Creativity

• Select 6 units from: Humanities 106, 117, 120.

• Select 3 units from: Humanities 105, 110.

• Select 9 units from at least 3 of the following disciplines: Anthropology 101; Art 150, 160, 186; Biology 123; Dance 110, 115, 120, 130, 160; English 103, 111, 130; Ethnic Studies 101; French 105, 106; Philosophy 116, 117; Spanish 105, 106; Theatre Arts 103, 104, 109, 121, 123, 134.

Option 3: American Responses to Other Cultures

• Select 9 units from: Humanities 105, 110, 111, 125.

• Select 9 units from at least 3 of the following disciplines: English 111, 124, 126, 127, 128; Ethnic Studies 101, 102, 110, 132, 164; French 124, 125, 126; Geography 102; German 125, 126; History 103, 104, 111, 113, 114, 119, 120, 121, 131, 132, 135; Philosophy 121, 122; Social Science 121, 122, 123, 134; Sociology 102, 105; Spanish 124, 126, 127, 128.

LIBERAL ARTS

ENGLISH COMPOSITION—2 courses

English 101 and 102; OR English 101 and 104

MATHEMATICS—1 course

Mathematics 100, 102, 103, 110, 111, 112, 135, 136, 138

ARTS AND HUMANITIES—3 courses, 9 semester units

At least one course from the Arts and one from the Humanities.

ARTS


HUMANITIES


SOCIAL AND BEHAVIORAL SCIENCES—3 courses from at least 2 different disciplines.

Anthropology 102, 103; Economics 101, 102, 105, 111; Geography 102, 105, 110; Ethnic Studies 101, 102, 110, 111, 122, 124, 132, 164; Mass Communications 101; Political Science 101, 102, 103, 110, 111; Psychology 101, 103, 104, 106, 109, 111, 113, 115; Sociology 101, 102, 104, 105; Social Science 121, 122, 123, 124, 131, 132, 134, 136.

BIOLOGICAL AND PHYSICAL SCIENCES—2 courses, 7 units

At least one course from the Biological Sciences and one from the Physical Sciences; at least one course must include a laboratory (indicated with a *).

BIOLOGICAL SCIENCES

Anthropology 101; Biology 101*, 102*, 112*, 115*, 120*, 121*, 122*, 123, 125, 126*, 127*, 128*, 132, 135*.

PHYSICAL SCIENCES

Astronomy 101, 102*, 110, 120; Chemistry 101*, 102*, 103*, 105*, 106*, 110*, 114*, 120*, 121*; Geography 101, 111*; Geology 101, 102, 103, 105, 110*, 111* 120;

NOTE: With careful planning the completion of the Liberal Arts major will satisfy most of the Associate in Arts degree requirements. See a counselor for details and assistance.

† Courses designated with a "†" may be counted in one area only.

**MATHMATICS**

Required: Mathematics 103, 104, 105, 107, 108.

**MEDIA/COMMUNICATIONS**

Required: A minimum of 18 units in one of the following options:

**Option 1: Mass Communications**
- Required: English 101; Mass Communications 101, 102, 103*, 104*

A minimum of 3 units must be selected from the following:
- Mass Communications 106, 107, 120; Independent Study 149**;
- selected courses in the Pasadena City College Journalism Department may be used as electives, as announced in the Glendale Community College class schedule.

**A maximum of 9 units of Mass Communications 103 and 104 combined may be counted toward the 18 units required.**

**A maximum of 6 units in Independent Study 149 may be counted toward the 18 units required.**

**Option 2: Television**

**MUSIC**

Required: Music 104, 105, 107, 108, 125, 126.

Complete 2 of the following courses: Music 160, 161, 162, 163.

Complete 2 units from the one of the following: Music 138 or 140.

Four semesters of continuous enrollment in a performing ensemble.

**PHYSICAL EDUCATION**

Required: Biology 115 or 120-121; Health 101, 104; Physical Education 120, 124 or 125, 128 or Culinary Arts 125.

Complete any combination of 3 units in any of the following:
- a. a racket sport
- b. a team sport
- c. an individual sport
- d. a fitness activity.

**PHYSICAL SCIENCE**

Required: A minimum of 18 units from courses chosen from at least 2 of the following 3 categories:
- Category 1: Physics 101, 102, 103, 105, 106
- Category 2: Chemistry 101, 102, 103, 105, 106
- Category 3: Astronomy 101, 102, 103, 110, 120; Geology 101, 102, 103, 104, 105, 110, 111, 120; Oceanography 115; Paleontology 101.

**SOCIAL SCIENCE**

Required: A minimum of 18 units from the following:
1. Select courses to satisfy each of the following 3 areas:

**American Institutions:** Political Science 101, 105, 151; Social Science 125-126, 132.

**State and Local Government:** Political Science 106, 151; Social Science 125-126, 132.

**American History:** Economics 111 or History 116; History 110, 111, 117, 118, 150, 151; Social Science 125-126, 131.

2. Select 12 units from the following:
- Anthropology 102; Economics 102; Geography 102; Philosophy 101; Psychology 101, Sociology 101; Social Science 121.

**SPEECH/COMMUNICATION**

Required: English 101 and Speech 101.

Select 3 courses from the following: Speech 100, 103, 104, 105, 106, 107

Select 1 course from the following: Psychology 101; Sociology 101; Theatre Arts 103

**THEATRE ARTS**

Required: A minimum of 18 units in one of the following options:

**Option 1: Theatre Arts**
- Required: Dance 140; English 101; Speech 101; Theatre Arts 102, 103, 105, 109, 121, 123, 131.
- Electives: Art 101, 102; English 102, 125, 126; Humanities 117; Dance 101, 134; Speech 105; Theatre Arts 101, 104, 110, 122, 130, 134.

**Option 2: Acting**
- Required: Dance 140, 141; English 101 or 120, Speech 101, 105, 106; Theatre Arts 102, 103, 104, 105, 107, 109, 131.
- Electives: Art 101, 102; English 102, 125, 126; Humanities 117; Dance 101, 134, 145; Theatre Arts 110, 122, 134.

**VISUAL ARTS**

Required: A minimum of 18 units in one of the following options:

**Option 1: Art History**
- Required: Art 101, 102, 130.

**Option 2: Two Dimensional**
- Required: Art 101 or 102, 130, 150.

**Option 3: Advertising Art**
- Required: Art 101 or 102, 130, 134.
- Select 3 courses from: Art 135, 136, 137, 140, 150, 156; Photography 101.

**Option 4: Three Dimensional**
- Required: Art 101 or 102, 130, 138.
- Select 3 courses from: Art 152, 180, 181, 186, 187, 190.

**Option 5: Photography**
- Required: Art 101 or 102; Photography 101.
- Select 4 courses from: Photography 103, 105 or 108, 109 or 110; Art 130 or 134 or 158.
ASSOCIATE IN SCIENCE MAJORS AND CERTIFICATE PROGRAMS

Certificate Programs are primarily business and technical programs for students desiring education beyond high school. These programs provide opportunities for students to prepare themselves for a wide variety of careers. In most cases these programs are planned without regard to transfer schools; however, many courses are transferable to four-year colleges or universities if students change their educational goals.

1. Certificates of Completion shall be issued upon request by the Office of Admissions and Records to students who qualify for them by completing one of the occupation-centered curriculums. The student must have an average grade of "C" in all courses constituting the certificate program.

2. To earn a certificate, students must complete the number of units required by the division. No certificate shall consist of less than 18 semester units.

3. At least twelve units of the required courses must be completed at Glendale Community College.

ACCOUNTING

The accounting curriculum provides comprehensive training for career employment as accountants.

CORE CURRICULUM

Accounting 101, or 105 and 106, 102, 120 or Computer Science/Information Systems 102; Business Administration 101, 106 (3 units), 120; Business Office Technology 106; Computer Science/Information Systems 101.

A minimum of 5 units must be selected from the following list of elective courses: Accounting 110**, 120*, 121, 130, 150, 155, 160; Business Administration 125, 131, 135; Computer Science/Information Systems 102*, 115, 190; Economics 101, 102; Internship 150 (Accounting).

*If not used to fulfill the CORE requirement.
**No credit will be granted if Accounting 110 is taken after Accounting 101 or 106.

ADMINISTRATION OF JUSTICE

The required core courses (21 units) are: Administration of Justice 101, 103, 110, 117, 118, 120 and 134.

In addition, a minimum of 9 units must be selected from the following: Administration of Justice 107, 108, 116, 129, 130.

It is further recommended that students take Psychology 114 and/or Speech 101.

ADVERTISING ART

The Advertising Art Certificate curriculum combines fundamental fine arts courses with those of a technical nature to provide a comprehensive course study in visual communication. The program is intended to prepare students to communicate ideas and information using any visual medium. Advertising design students learn that by creating effective visual communication they make information accessible and comprehensible and give visual order, identification, and meaning to the many ideas existing within society.

This program is designed for the student's entry into the profession in a variety of areas: salaried "in-house" artist for an agency, printing house or design studio artist, part-time or hourly artist for firms specializing in graphic art areas, or freelance artist.

These courses are required: Art 102, 130, 131, 134, 135, 136, 137, either Art 140 or Computer Science/Information Systems 206 (or equivalent), 150; Computer Science/Information Systems 123 (Quark Xpress recommended); Photography 101; and 3 units from either Art 101 or 107.

A minimum of 3 units must be selected from the following: Art 101, 107, 138, 152, 156, 157, 170, 174.

SPECIALIST IN ALCOHOL/DRUG STUDIES

The program is designed to provide academic preparation and field experience for individuals employed, or preparing for employment, as alcohol and drug abuse specialists in public and private agencies. To earn a certificate the student must complete the core courses and selected courses from each section as designated, for a total of 38 units.

The program is accredited by the California Association of Alcohol and Drug Educators and designed to meet the certification requirements of both the California Association of Alcohol and Drug Abuse Counselors and the Coalition of Program Standards.

Core Curriculum: (9 units):
Alcohol/Drug Studies 101, 103, 105.

Behavioral Courses (6 units):
Select 6 units from: Psychology 101, 108, 110, 114; Social Science 121; Sociology 101.*

Skill Courses (9 units):

Field Experience (6 units):
Alcohol/Drug Studies 150 and 151.

Field Placement (8 units):
Alcohol/Drug Studies 152 and 153.

*Three units required from Psychology 101, 108 or Sociology 101.
**Three units required from Alcohol/Drug Studies 110, 111, or 112.

ARCHITECTURAL DRAFTING AND DESIGN

This curriculum prepares a student to enter employment as an architectural Draftsperson in the building construction field.

These courses are required: Architecture 101, 102, 103, 105, 120, 125, 130, 135; Art 120, 121, 150; Drafting 141; Technical Education 140, 142*.

The following courses are recommended: Art 130; Cooperative Education 102; Materials and Processes 146.

* The units earned for this course may not be applied toward the 60 units for graduation.
ART
For students who are interested in art as a career, the following courses are required:
Two-dimensional art: Art 101, 102, 130, 131, 150, 152, 160.
Select 3 units from: Art 138, 180, 186.
Select 3 units from: Art 164, 170, or Photography 101.

ART HISTORY
The curriculum listed below is designed to prepare the student to be an art museum docent.
These courses are required: Art 103, 104, 105, 106, 107; Humanities 115; Speech 101.
A minimum of 3 units must be selected from the following recommended courses: Art 108, 109, 112, 113, 116, 118.

AVIATION AND TRANSPORTATION—Aviation Administration
Aviation Administration is for those who wish to enter civil aviation work as clerks, agents, station and traffic managers, or fixed base operators.
These courses are required: Aviation and Transportation 120, 128; Business Administration 101; English 101; Psychology 101; Speech 101.
A minimum of 4 units must be selected from the following: Aviation and Transportation 121, 122, 123, 124, 125, 126, 127, 129, 131, 132, 134, 136; Accounting 101 (or 105 and 106), 102, 110; Computer Science/Information Systems 101, 105; Economics 101, 102.

AVIATION AND TRANSPORTATION—Flight Attendant
The Flight Service-Airline and Travel Careers program prepares men and women of all ages to compete for the highly prized positions available as flight attendants in the airline and travel industry. As training progresses students perform volunteer service at area airports in order to gain invaluable public personal contact experience.
The following courses are required: Aviation and Transportation 129, 132, 134, 137, 151; Computer Information Systems 105; English 120 or ESL 151; Health 102; Internship 150; Sociology 101.
A minimum of 8 units must be selected from the following electives: Aviation and Transportation 120, 130; Cooperative Education 102; Geography 102.

AVIATION AND TRANSPORTATION—Aircraft Powerplant Maintenance and Overhaul (FAA Powerplant License)
These courses are required: Aviation and Transportation 141, 142, 143, 144.
NOTE: This certificate will not satisfy the major requirement for the Associate in Science degree.

AVIATION AND TRANSPORTATION—Aircraft Powerplant and Airframe Maintenance and Overhaul (FAA Powerplant and Airframe License)
This program is designed for those students who wish to complete the work for the "A" and "P" certificates in the shortest possible time. Required courses: Aviation and Transportation 141, 142, 143, 144, 145, 146.
NOTE: The Associate of Science degree may be obtained in approximately three years along with the combined "A" and "P" course which requires four semesters by taking additional subjects required for graduation during the last two semesters.

AVIATION AND TRANSPORTATION—PILOT TRAINING
Training offered in this field:
1. Instruction: For those who wish to complete two years of college to become eligible to enter civil aviation as professional pilots
2. Basic Pilot Training: Prepares the student for the FAA Private Pilot Airplane written examination for the Private Pilots License. Required course is Aviation and Transportation 120.
3. Advanced Pilot Training: A program designed to give private pilots adequate aeronautical knowledge and experience necessary to enter the field as commercial pilots with an instrument rating as their career. To enter this program, it is recommended the student satisfactorily complete Aviation and Transportation 120.
These courses are required: Aviation and Transportation 120, 121, 122, 123, 124, 125, 126, 127.
These courses are recommended: Aviation and Transportation 134, 136.
*Aviation and Transportation 120 may be taken credit by exam.

BOOKKEEPING
The bookkeeping curriculum has been designed for students who wish to become bookkeepers in private industry or government service. Students who wish to become public accountants should take the accounting curriculum.

CORE CURRICULUM
Accounting 110 or 101 or 105 and 106, 120, 130; Business Administration 101, 106 (3 units); Business Office Technology 106, 110.
A minimum of 5 units must be selected from the following list of elective courses: Accounting 101*, 102, 121, 150, 155, 160; Business Administration 110, 120, 125, 162; Business Office Technology 200 or 205; Computer Science/Information Systems 101, 102, 105, 201 or 208; Internship 150 (Accounting).
*if not used to fulfill CORE requirement.

BUSINESS ADMINISTRATION
This certificate prepares students to participate in the world of business by presenting material representative of many differ-
ent business disciplines. Various options are available to match the interest of the student.

**CORE CURRICULUM**
Accounting 101, or 105 and 106, or 110; Business Administration 101, 106 (3 units), 120; Computer Science/Information Systems 101 or 105.

**OPTIONS**
**General Business Option**
This option is intended for students interested in the medium or large business environment.

The following courses are required: Core curriculum; Business Administration 110, 134 or 135, 141, 162.

**Small Business Option**
This option is intended for students with an interest in owning or operating a small business.

The following courses are required: Core curriculum; Accounting 130 or Business Administration 175; Business Administration 110, 158, 162.

**Financial Planning and Investment Option**
This option is intended for students interested in the business aspects of financial planning.

The following courses are required: Core curriculum; Accounting 150; Business Administration 131 or 132 or 135, 134, 136.

**International Business Option**
This option is intended for students who want to be involved with international operations: importing, exporting, or establishing a business overseas.

The following courses are required: Core curriculum; Business Administration 159, 162.

A minimum of two courses must be selected from the following list of elective courses: Business Administration 170, 175, 176, 180.

**NOTE:** Other than the CORE courses, a course may not be used for more than one option on a single certificate. In all options, substitutions for some of the above classes may be made with department approval.

**BUSINESS OFFICE TECHNOLOGY**
(Formerly Office Administration)

This certificate prepares students with the skills and abilities for a career at both the operational and managerial levels required in today’s office.

**CORE CURRICULUM**
Business Administration 106 (3 units), 110; Business Office Technology 101, 102, 103, 104, 110, 210 or 254.

**OPTIONS**
**Administrative Assistant**
Required courses: Core curriculum; Accounting 101, or 105 and 106, or 110; Business Administration 101, 152; Business Office Technology 120 (3 units), 210 (3 units), 256; Computer Science/Information Systems 115, or 105 and 201, or 105 and 208.

**Executive Secretary**
Required courses: Core curriculum; Accounting 110; Business Office Technology 120 (3 units), 130*, 152, 155, 210 (3 units), 256; Computer Science/Information Systems 115, or 105 and 201, or 105 and 208.

*The certificate requires a minimum shorthand speed of 80 words per minute. Business Office Technology 130 is required if student tests lower than 80 words per minute.

**Legal Secretary**
Required courses: Core curriculum; Business Office Technology 120 (3 units), 130*, 152, 162, 165, 210** (3 units), 256; Computer Science/Information Systems 115, or 105 and 201, or 105 and 208.

*The certificate requires a minimum shorthand speed of 80 words per minute. Business Office Technology 130 is required if student tests lower than 80 words per minute.

**NOTE:** Minimum typing speed of 60 words per minute.

**Secretary**
Required courses: Core curriculum; Business Office Technology 106, 120 (3 units), 130*, 155, 210 (3 units), 256; Computer Science/Information Systems 115, or 105 and 201, or 105 and 208.

*The certificate requires a minimum shorthand speed of 70 words per minute. Business Office Technology 130 is required if student tests lower than 70 words per minute.

**General Office**
Required courses: Core curriculum; Accounting 110; Business Office Technology 106, 155, 205 (3 units); Computer Science/Information Systems 115, or 105 and 201, or 105 and 208.

**NOTE:** In all options, substitutions for some of the above classes may be made with department approval.

**CERAMICS**

This certificate is designed for those students wishing to prepare for employment in the commercial ceramic industry as lab technicians. Emphasis in the coursework is on job-related skills such as production forming techniques, glaze formulation and application, patterning and decorating techniques, and kiln loading and firing. The program is also well suited for those desiring to set up their own production studios to work as independent artists.

These courses are required: Art 130, 138, 150, 186, 187, 188, 190, 191, 192; Accounting 110; Chemistry 110 or 143 or Art 195; Photography 101.

These courses are recommended: Art 101, 102, 180, 189, 193, 195.

**CHILD DEVELOPMENT**

The following Glendale Community College Child Development Certificate options are designed to support and encourage the professional development of students who aim for a career in: Infant, Toddler, and Preschool Education; School Age Child Care; and Early Childhood Administration and Supervision. Each certificate is outlined in acknowledgment of the California Child Development Permit, which is issued through the California Commission on Teacher Credentialing. At present, this permit is required of employees of Early Childhood Education programs licensed under Title V. The permit enables an educator to move along a career ladder which supports a hierarchy of professional goals and competencies relative to employment and leadership.
Teacher

These courses are required: Child Development 133, 135, 138, 140, 141, 142.

A minimum of two courses (6 units) must be selected from the following: Child Development 151, 152, 155, 156, 158 (or Dance 158), 210.

Select a minimum of 16 units with at least one course from each of the following Glendale Community College Associate Degree General Education areas (see AA/AS requirements):

- 10.a. Natural Science or 10.d. (2). Mathematics courses only AND
- 10.b. Social Science AND
- 10.c. Humanities AND
- 10.d.(1). English Composition

Infant/Toddler Teacher

These courses are required: Child Development 133, 135, 138, 140, 141*, 142, 147.

A minimum of one course must be selected from the following: Child Development 151, 152, 155, 156, 158 (or Dance 158).

Select a minimum of 16 units with at least one course from each of the following Glendale Community College Associate Degree General Education areas (see AA/AS requirements):

- 10.a. Natural Science or 10.d. (2). Mathematics courses only AND
- 10.b. Social Science AND
- 10.c. Humanities AND
- 10.d.(1). English Composition

*NOTE: To complete this certificate, Child Development 141 must be taken with placement in an Infant/Toddler setting for laboratory experience.

School-Age Care Teacher

These courses are required: Child Development 133, 135, 136, 137, 138, 140, 141*, 142.

Select a minimum of 16 units with at least one course from each of the following Glendale Community College Associate Degree General Education areas (see AA/AS requirements):

- 10.a. Natural Science or 10.d. (2). Mathematics courses only AND
- 10.b. Social Science AND
- 10.c. Humanities AND
- 10.d.(1). English Composition

*NOTE: To complete this certificate, Child Development 141 must be taken with placement in a School-Age setting for laboratory experience.

Master Teacher

These courses are required: Child Development 133, 135, 138, 140, 141, 142.

A minimum of two courses must be selected from the following: Child Development 136, 137, 147.

Complete one of the following specialties for 6 units:

Music: Child Development 152 and Child Development/Dance 158

Special Needs: Child Development 155 and Sign Language 101 Cultural Diversity: Child Development 156 and Social Science 121


Select a minimum of 16 units with at least one course from each of the following Glendale Community College Associate Degree General Education areas (see AA/AS requirements):

- 10.a. Natural Science or 10.d. (2). Mathematics courses only AND
- 10.b. Social Science AND
- 10.c. Humanities AND
- 10.d.(1). English Composition

Site Supervisor

These courses are required: Child Development 133, 135, 138, 140, 141, 142, 156, 174, 175, 176.

A minimum of two courses (6 units) must be selected from the following: Child Development 136, 137, 147, 151, 152, 155, 158 (or Dance 158), 210.

NOTE: In addition to above, students must also complete the requirements for the Associate in Science degree.

CHOREOGRAPHIC STUDIES AND DANCE TECHNIQUE

The curriculum is designed for students who plan careers in commercial and concert dance.

The following courses are required (19 units): Dance 101, 111, 112 or 113, 115, 116, 121, 122 or 123, 130, 131 or 132, 135, 136.

A minimum of 6 units must be selected from the following elective courses: Art 102, 125, 130; Dance 140, 141, 145, 160, 194; Health 110; Humanities 117, 120; Music 101, 135, 230, 236, 237; Physical Education 194, 294; Theatre Arts 101, 103, 104, 109, 123, 130, 134.

NOTE: Students must earn a minimum of 1 unit in each required class.

CLERICAL TRAINEE

This certificate helps to prepare students for an entry-level clerical or secretarial position in a general office setting.

CORE CURRICULUM

Business Administration 106 (3 units); Business Office Technology 101, 102, 104, 205 (3 units), 254

ELECTIVE COURSES

Choose courses from the following list to complete a minimum of 18 units: Business Office Technology 106, 110, 120 (3 units), 130, 200, 210 (3 units), 256; Computer Science/Information Systems 115, or 105 and 201, or 105 and 208.

A minimum speed of 40 words per minute is required for this certificate.

NOTE: Substitutions for some of the above classes may be made with department approval in the event of previous experience or problems regarding class offerings, or student's interest in specialized areas such as medical or legal offices. This certificate does not satisfy the major requirements for the Associate in Science degree.

COMPUTER INFORMATION SYSTEMS

This curriculum is designed for those students interested in Computer Information Systems. To earn a certificate students must complete the required core courses, and choose other courses from the additional courses list to total 32 units.

CORE CURRICULUM

Business Administration 106 (3 units) or English 101; Computer Science/Information Systems 101, 110, 120 or 135, 172, 190, 191.
Additional Courses
Business Administration 110; Computer Science/Information Systems 102, 115, 116, 120, 130, 135, 137, 139, 140; Internship 150 (Computer Science/Information Systems).

NOTE: Courses taken more than three years before the granting of the certificate must have the approval of the division chair for acceptance.

COMPUTER NUMERICAL CONTROL TECHNICIAN
This certificate is designed to prepare the student as an industrial Computer Numerical Control Technician, which is an occupation listed under the manufacturing technology curriculum established by the Southern California Aerospace Industry Education Council.

The following courses are required: Computer Science/Information Systems 101; Drafting 129; Electronics and Computer Technology 103, 104, 110*, 205; Engineering 130; Machine Technology 101, 110; Materials and Processes 146.

Additionally, students are recommended to have completed basic English communications skills, general mathematics through trigonometry (e.g. Technical Education 142** & 143 or equivalent), general science (e.g. Technical Education 145 or equivalent), and Metallurgy 150 or Metals 150.

*for higher level
**The units earned for this course may not be applied toward the 60 units for graduation.

COMPUTER OPERATOR
(Formerly Computer Operations Technician)
The student completing this certificate will have a basic knowledge of the operation of computer systems in a business environment. To earn a certificate the student must complete the required CORE courses totaling 19-20 units.

CORE CURRICULUM
Business Administration 106 (3 units) or English 101; Computer Science/Information Systems 101, 172 or 201 and 205 and 208, 190, 191; Electronics and Computer Technology 112.

NOTE: Courses taken more than three years before the granting of the certificate must have the approval of the division chair for acceptance. This certificate does not satisfy the major requirements for the Associate in Science degree.

COMPUTER PROGRAMMER
(Formerly Computer Programming Technician)
Students completing this certificate will have a basic knowledge of programming. To earn a certificate the student must complete the required CORE courses totaling 22-23 units.

CORE CURRICULUM
Business Administration 106 (3 units) or English 101; Computer Science/Information Systems 101, 110, 120 or 130, 135, 137 or 139.

NOTE: Courses taken more than three years before the granting of the certificate must have approval of the division chair for acceptance. This certificate does not satisfy the major requirements for the Associate in Science degree.

COMPUTER SCIENCE
This program is designed for those students interested in computer science. To earn a certificate, the student must complete the required CORE courses and choose other courses from the additional courses list to total 32 units.

CORE CURRICULUM
Business Administration 106 (3 units) or English 101; Computer Science/Information Systems 101, 120 or 130, 137 or 139, 190.

Additional Courses:
Business Administration 110; Computer Science/Information Systems 135, 172; Electronics and Computer Technology 101, 102, 103, 104, 110, 201, 202; Mathematics 111

NOTE: Courses taken more than three years before the granting of the certificate must have the approval of the division chair for acceptance.

COMPUTER SOFTWARE TECHNICIAN
This program is designed to train students to meet the rapidly growing need for qualified hardware/software technicians, having a blend of hardware and software skills. To earn a certificate, the student must complete the required CORE courses, and choose other courses from the additional courses list to total 32 units.

CORE CURRICULUM
Computer Science/Information Systems 101, 110 or 135, 190; Electronics and Computer Technology 103, 110, 112

Additional Courses:
Business Administration 106 (3 units), 110; Computer Science/Information Systems 110, 120, 130, 135, 137, 139, 191, 201, 205, 208; Electronics and Computer Technology 101, 102, 104, 201, 203, 204

NOTE: Courses taken more than three years before the granting of the certificate must have the approval of the division chair for acceptance.

COMPUTER SUPPORT TECHNICIAN
(Formerly Microcomputer Software Operator and User Support Technician)
Students completing this certificate will possess a basic knowledge of computer operation and capabilities with the skills to troubleshoot problems or aid in user support. To earn a certificate the student must complete the required courses.

These courses are required: Business Administration 106 (3 units), 110; Computer Science/Information Systems 101, 110, 172 or 201 and 205 and 208, 190, 191.

NOTE: Courses taken more than three years before the granting of the certificate must have the approval of the division chair for acceptance. This certificate does not satisfy the major requirements for the Associate in Science degree.

COSMETOLOGY
Glendale Community College has contracted with a Glendale beauty college for the provision of cosmetology instruction to registered Glendale Community College students. The completion of Cosmetology 111, 112, 113, and 114 provides 1,600 hours of theory and practice required by the State of California Cosmetology Act and by the Board of Cosmetology for licensing as a Cosmetologist. The 1,600 hours may be completed in four semesters; or a combination of three semesters and one ten-week summer session; or a combination of two semesters and two ten-week summer sessions.
These courses are required: Cosmetology 111, 112, 113, 114. Recommended elective: Cooperative Education 102

**CULINARY ARTS**

This course of study provides basic and advanced training designed to prepare students for employment in various positions in the food service industry.

These courses are required: Culinary Arts 111, 112, 113, 114 or 125; Culinary Arts 115, 116, 117, 122, 124, 201, 207, 214; Hotel/Restaurant Management 203.

Elective units from the following are recommended: Business Administration 141; Cooperative Education 102; Culinary Arts 110, 118, 141; Psychology 101.

**DESKTOP PUBLISHING**

This certificate is designed for students to develop key concepts and essential skills for contemporary desktop publishing. To complete the requirements of the certificate the student must complete all CORE courses and 6 additional units from the print, video, audio, and multimedia courses to allow the student flexibility in area specialization.

**CORE CURRICULUM**

Accounting 101 or 110; Business Administration 120, 162; Computer Science/Information Systems 101 or 105, 123, 124.

**Applied Areas**

A minimum of 6 units must be chosen from the following elective courses: Art 130, 131, 134, 135, 136, 137, 140; Computer Science/Information Systems 111 or Television 111, Computer Science/Information Systems 126, 129, 191, 206, 208; Mass Communications 102, 103, 107.

**NOTE:** Courses taken more than three years before the granting of the certificate must have the approval of the division chair for acceptance.

**DESKTOP PUBLISHING TECHNICIAN**

This certificate is designed to train students in the use of Desktop Publishing tools and allow the student to develop the use of those tools in an applied area of their choice. The student must complete all CORE courses totaling 8-10 units and then choose an additional 8-10 units to complete a total of 18 units in their choice of applied areas. Applied areas include print, video, audio, and multimedia offerings to allow the student flexibility in course selection.

**CORE CURRICULUM**

Computer Science/Information Systems 101 or 105, 123, 124.

**Additional Courses:**

Art 130, 131, 134, 135, 136, 140; Computer Science/Information Systems 111 or Television 111; Computer Science/Information Systems 126, 129, 206; Mass Communications 102, 103, 107.

**NOTE:** Courses taken more than three years before the granting of the certificate must have the approval of the division chair for acceptance. This certificate does not satisfy the major requirements for the Associate in Science degree.

**DIETARY SERVICE SUPERVISOR**

These courses are required: Business Administration 142; Culinary Arts 111, 112, 113, 114, 116, 118, 125; Cooperative Education 102.

A minimum of 4 units must be chosen from the following: Business Administration 144; Business Office Technology 110; Culinary Arts 117, 207; English as a Second Language 133; English 191; Hotel/Restaurant Management 203; Special Projects 150.

**DRAFTING/ELECTRO-MECANICAL DESIGN**

This course of study provides basic and advanced training in technical drawing and design with an emphasis on electro-mechanical design. ANSI Y 14.5 and other military standards are presented along with computer aided drafting and design (CADD). These courses are required: Business Administration 152; Drafting 131, 132, 133, 134, 141 (CADD); Engineering 100, 103; Materials and Processes 146; Technical Education 140, 142*, 143, 145.

Elective units from the following list are recommended: Electronics and Computer Technology 110; Engineering 105; Machine Technology 101; Metallurgy 150 or Metals 150; Welding 121.

* The units earned for this course may not be applied toward the 60 units for graduation.

**ELECTRO/MECHANICAL FABRICATION TECHNICIAN**

Aviation and Transportation 150; Drafting 129, 141; Electronics & Computer Technology 110, 113; Technical Education 140, 142*

**NOTE:** This certificate does not satisfy the major requirements for the Associate in Science degree.

* The units earned for this course may not be applied toward the 60 units for graduation.

**ELECTRONICS AND COMPUTER TECHNOLOGY**

**CORE CURRICULUM**

These courses are required: Computer Science/Information Systems 110, 201; Electronics and Computer Technology 100, 101, 102, 103, 113, 124, 201, 210; Student Development 126; Technical Education 140.

The following specialty courses are required for each individual certificate of completion.

**Electronics Engineering Technician**

Core Curriculum; Drafting 129, 141; Electronics and Computer Technology 202, 223, 224; Engineering 130.

**Computer Systems Technician**

Core Curriculum; Computer Science/Information Systems 105; Electronics and Computer Technology 112, 204, 212

**Automation Systems Technician**

Core Curriculum; Computer Integrated Manufacturing 101, 102, 201; Drafting 129; Welding 117.

**RECOMMENDED ELECTIVES**

Recommended electives for E.E.T. are: Computer Integrated Manufacturing 101, 102; Electronics and Computer Technology 112, 113, 203, 204, 223, 224; Engineering 100; Materials and Processes 146; Technical Education 145.
Recommended electives for C.S.T. are: Computer Integrated Manufacturing 101; Computer Science/Information Systems 180; Drafting 141; Electronics and Computer Technology 113, 202; Engineering 100, 130.

Recommended electives for A.S.T. are: Business Administration 148; Drafting 141; Electronics and Computer Technology 113, 202, 203; Engineering 100, 130; Machine Technology 101, 110; Materials and Processes 146; Technical Education 145.

**ELECTRONICS AND COMPUTER TECHNOLOGY NON-DEGREE OPTIONS**

**Computer Repair Technician**

These courses are required: Electronics and Computer Technology 103, 110, 112, 124, 212, 226.

**NOTE:** This certificate will not satisfy the major requirement for the Associate in Science degree.

**Electronics Technician—Apprentice**

These courses are required: Electronics and Computer Technology 103, 106, 107, 113, 210; Technical Education 142.

**NOTE:** This certificate does not satisfy the major requirements for the Associate in Science degree.

* The units earned for this course may not be applied toward the 60 units for graduation.

**ENGINEERING**

(See DRAFTING/ELECTRO-MECHANICAL DESIGN)

**ESCROW**

This curriculum is designed for either those students who are preparing to serve as escrow processing specialists or those students who are upgrading their skills in that field.

**CORE CURRICULUM**

Real Estate 101, 140, 150, 170, 250 251; Computer Science/Information Systems 105 or 115.

One elective course must be chosen from: Accounting 101 or 105 and 106 or 110; Business Administration 101, 106, 120, 125; Real Estate 120, 130, 160, 190.

**FASHION DESIGN MERCHANDISING CERTIFICATE**

Fashion Design Merchandising presents the fashion concepts necessary to compete in one of the largest industries in California. Courses offered include training in areas related to basic clothing pattern design, fashion illustration, fashion merchandising, textiles and computerized pattern design and marking.

These courses are required: Fashion Design Merchandising 100, 101, 102, 103, 104, 110, 112, 123, 168, 208, 213, 216; Business Administration 152.

Elective units from the following list are recommended: Art 130; Cooperative Education 102; Drafting 203 or Fashion Design Merchandising 203; Theatre Arts 123.

**FIRE TECHNOLOGY**

These courses are required (3 units in each course): Fire Technology 101, 103, 104, 115; Administration of Justice 117.

In addition, a minimum of 12 units must be selected from the following: Fire Technology 105, 107, 108, 109, 110, 111, 112, 114, 151.

The following courses are recommended: Administration of Justice 101, 103, 107; Speech 101.

**HOTEL/RESTAURANT MANAGEMENT**

The Hotel/Restaurant Management certificate is designed for students interested in pursuing careers in one of the many functions of hotel or lodging operations. The courses present a practical education in hotel management. Sound business practices and technical knowledge, professional work ethics, and the ability to adapt to the constant evolution of the profession are emphasized.

These courses are required: Business Administration 164; Business Office Technology 110; Computer Science/Information Systems 105; Culinary Arts 113, 115, 116; Hotel Restaurant Management 203, 220, 221; Internship 150.

Elective units from the following are recommended: Business Administration 142, 144; Business Office Technology 102; Culinary Arts 111, 112.

**INTERNATIONAL BUSINESS SPECIALIST**

The International Business Specialist Certificate presents the business concepts necessary to compete in the international global marketplace. It prepares students to import, export, and/or establish an overseas business presence. This program is designed expressly for both the individual entrepreneur and the established company executive.

These courses are required: Business Administration 158, 162. Choose two of the following: Business Administration 170, 175, 176, 180.

Select 6 units from the following group of elective courses, for a minimum of 18 units: Accounting 101 or 110; Business Administration 101, 106 (3 units), 110, 120, 170, 175, 176, 180; Computer Science/Information Systems 101 or 105.

**NOTE:** This certificate does not satisfy the major requirements for the Associate in Science degree.

**MACHINE AND MANUFACTURING TECHNOLOGY**

**Machinist Option:**

These courses are required: Computer Aided Manufacturing 210, 230; Machine Technology 101, 102, 103, 104; Metals 150; Technical Education 140, 142.

The following courses are recommended: Computer Aided Manufacturing 211, 231; Cooperative Education 102; Drafting 129; Machine Technology 112.

**Computer Aided Manufacturing Option**

These courses are required: Computer Aided Manufacturing 210, 220, 230, 240; Machine Technology 107, 112; Metals 150; Technical Education 140, 142.

Choose a minimum of 4 units from the following: Computer Aided Manufacturing 211, 231; Cooperative Education 102; Drafting 129.
Manufacturing Technician Option:
These courses are required: Computer Integrated Manufacturing 101, 102, 201; Computer Science/Information Systems 105; Electronics and Computer Technology 110; Machine Technology 107*, 111.

NOTE: The Manufacturing Technician Option will not satisfy the major requirements for the Associate in Science degree.

* The units earned for this course may not be applied toward the 60 units for graduation.

MANAGEMENT

CORE CURRICULUM
Accounting 101; Business Administration 101, 106 (3 units) (or English 101), 120, 141, 142 or 110, 152 or Speech 100 or 101; Business Office Technology 110; Computer Science/Information Systems 101 or 105.
Elective units from the following list are recommended: Business Administration 144, 148, 158.

MANUFACTURING ENGINEERING
These courses are required: Business Administration 148; Computer Integrated Manufacturing 101, 102, 201; Computer Science/Information Systems 105; Drafting 129, 141; Electronics and Computer Technology 110; Machine Technology 107*; Metals 150; Quality Control 103, Technical Education 140, 142*.

* The units earned for this course may not be applied toward the 60 units for graduation.

MARKETING
This curriculum is designed for students who plan careers in activities such as marketing, marketing research, public relations, selling, retail selling, retail store management, advertising, and a sole proprietorship.

CORE CURRICULUM
Business Administration 101, 120, 136 or 158 or 170, 162, 164, 166; Business Office Technology 110; Computer Science/Information Systems 101 or 105.
Elective units from the following list are recommended: Accounting 101, or 105 and 106, or 110; Business Administration 106; Business Office Technology 102; Computer Science/Information Systems 110, 123, 191; Internship 150 (Marketing).

MARKETING SPECIALIST
This curriculum is designed for students who need the marketing basics, and are planning beginning careers in marketing, advertising, retailing and sales.

These courses are required: Business Administration 101, 120, 136 or 158 or 170, 162, 164, 166.

NOTE: This certificate does not satisfy the major requirements for the Associate in Science degree.

MASS COMMUNICATIONS
These courses are required: Mass Communications 101, 102, 103 or 104, 107; English 101 and 102 or 104.

A minimum of 3 units must be selected from the following: Computer Science/Information Systems 123, 124, 192, 206, 208, 220; Mass Communications 106; Television 101, 111.

A minimum of 3 units must be selected from the following: Economics 101; English 105, 106, 109, 110, 111, 114, 115, 116, 121, 122, 123, 124, 125, 126, 127, 128, 130; History 107, 108, 109, 110; Political Science 101; selected courses in the Pasadena City College Journalism Department may be used as electives, as announced in the Glendale Community College Class Schedule.

MEDICAL ADMINISTRATIVE SERVICES
This curriculum is designed for students who are preparing for a position in offices of physicians, medical clinics, hospitals, and allied facilities.

CORE CURRICULUM
Business Administration 106 (3 units), 110; Business Office Technology 102, 103, 182, 185 or 101, 190, 254; Computer Science/Information Systems 115, or 105 and 201, or 105 and 208.

OPTIONS
Medical Secretary
The following courses are required: Core curriculum; Business Office Technology 120 (3 units), 130*, 155, 210 (3 units), 256.

*Certificate requires minimum shorthand speed of 80 words per minute. Business Office Technology 130 is not required if student tests at 80 words per minute.

Medical Front Office
The following courses are required: Core curriculum; Business Office Technology 106, 110, 205 (3 units).

Medical Transcription
The following courses are required: Core curriculum; Business Office Technology 110, 195, 210 (3 units), 256.

NOTE: Substitutions for some of the above classes may be made with department approval in the event of previous experience or reduction of class offerings.

MUSIC
This curriculum provides basic training in music. The courses are divided into four categories: core classes, instrumental and vocal classes, performing ensembles, and electives.

Core Classes (9 units are required): Music 101, 102, 104, 105, 107, 108, 120 or 125 and 126.

Instrumental and vocal classes (6 units are required, 2 units from each of the following groups):
1. Music 135, 136, 137, 156, 157, 158
2. Music 138, 140
3. Music 160, 161, 162, 163


Electives (5 units are required): Music 127, 128, 129.

NOTE: In addition to these two courses, any course listed under core classes, instrumental and vocal classes, or performing ensembles, may be used for elective units provided that they are not being applied to required units within their own categories.

NURSING
The Glendale Community College Department of Nursing is accredited by the California Board of Registered Nursing and the California Board of Vocational Nursing and Psychiatric Tech-
nicians. The nursing assistant class (CNA/HHA) is approved by the California Department of Health Services.

I. PROGRAMS

A. Generic Associate Degree Nursing (ADN) Program
   This curriculum qualifies the student for an Associate in Science degree with a major in Nursing. Graduates are eligible to apply for the California R.N. licensing examination (NCLEX-RN).

B. Advanced Placement Options (LVN-RN)
   These plans provide access to the RN curriculum for the applicant who is an LVN or who is in the process of obtaining VN licensure.
   1. PLAN A—Career Ladder
      Qualifies the student for an Associate in Science with a major in Nursing. Graduates are eligible to apply for the California R.N. licensing examination (NCLEX-RN).
   2. PLAN B—30 Unit Option (LVN License required)
      Qualifies the student to meet the Board of Registered Nursing requirements for eligibility to apply for the California R.N. licensing examination (NCLEX-RN). Upon completion the student receives a certificate of completion but is not considered a graduate of the college. A license obtained through this program may not qualify the graduate for licensure by endorsement in other states.

C. Vocational Nursing
   This curriculum qualifies the student for a Certificate of Completion in Vocational Nursing. Graduates are eligible to apply for the California V.N. licensing examination (NCLEX-PN).

NOTE: Both the Board of Registered Nursing and Vocational Nursing may deny a license regulated by the Business and Professional Code, Section 480, on such grounds as: being convicted of a crime, acts of dishonesty, fraud or deceit, abuse of vulnerable populations, etc. Refer to the Department of Nursing for further information.

D. Certified Nursing Assistant and Home Health Aide
   This program qualifies the student to apply for the Certifying examination as a certified nursing assistant and home health aide. A written statement of completion is awarded when the class is successfully completed.

NOTE: The State of California may NOT certify nursing assistants or home health aides who have been convicted of a Penal Code Violation. Contact the Division Office for further information.

II. PROGRAM REQUIREMENTS

A. General Requirements
   1. All required coursework for programs in the Department of Nursing must be completed with a "C" or better.
   2. Applicants must meet the placement and testing requirements for the program for which they are applying.
   3. Proof of high school graduation, a higher degree, GED, California Proficiency Exam, or foreign high school evaluated as equivalent to an American high school diploma.

   4. Entry requirements for all nursing programs are under revision. Please call the Allied Health Division Office or see the nursing counselor for information and/or schedules for nursing program information workshops.

B. Generic ADN
   1. Required prerequisite courses, courses required by the major for licensure, and nursing courses are under revision.
   2. Graduation Requirements: Any course or courses satisfying the Humanities (6 units); Multicultural course; American History, American Institutions, and State and Local government requirements; Mathematics proficiency. (Please see Index for graduation requirements).

C. LVN-RN
   1. Career Ladder
      a. Prerequisite requirement: Current licensure as an LVN in the State of California. Additional prerequisites, courses required by the major for licensure, and nursing courses are under revision by the Allied Health Division.
      b. Prerequisite courses are under revision.
      c. Graduation Requirements: Same as Generic ADN

NOTE: A student may apply to take the NCLEX-RN prior to completion of all Associate degree requirements. Please see the Nursing Department.

2. 30-Unit Option
   a. Prerequisite requirement: Completion of an accredited VN program AND current LVN license
   b. Prerequisite courses: Human Physiology; Microbiology
   c. Courses required by the major for licensure are under revision

D. Vocational Nursing
   1. Prerequisite requirements and courses required for licensure are under revision

E. Transfer and challenge opportunities are available by departmental policy. Please consult the Counseling Department or the Department of Nursing for further information.

PHOTOGRAPHY

These courses are required: Accounting 110; Art 101, 102, 130; Photography 101, 103, 105, 108, 109, 110.

Select a minimum of 3 units from the following elective courses: Art 104, 106, 107, 108, 109, 112, 113, 116, 118, 134, 150; Mass Communications 101; Photography 107.

REAL ESTATE

In the Real Estate curriculum, special attention is given to the California license requirements. A salesperson must take the real estate principles course before taking the state salespersons licensing examination and two other courses within 18 months of passing the examination. An applicant for the broker's license must have taken the eight (8) real estate courses required of the Real Estate Certificate before taking the State Broker Examination.
The following courses are required: Real Estate 101, 120, 130, 140, 150, 160.

A minimum of 6 units must be selected from the following list: Accounting 101 (or 105 and 106) or 110; Business Administration 120; Internship 150 (Real Estate); Real Estate 170, 190, 250, 251.

RECREATION LEADERSHIP

These courses are required: Health 102, 104, 110; Physical Education 120 (2 units); Recreation Leadership 109.

A minimum of 13 units must be selected from the following: Administration of Justice 101 or 118; Art 101 or 102 or 112; Biology 121, 122; Music 120, 230 or 231; Psychology 101 or 110; Speech 101.

Recommended electives: Cooperative Education 102; Physical Education 124, 125, 126, and additional courses in basketball, dance, soccer, softball, tennis, and volleyball.

SMALL BUSINESS SPECIALIST

This certificate is designed for students who wish to start or manage a small business. It teaches fundamental knowledge of the basic business disciplines necessary for a successful small business.

These courses are required: Accounting 101, or 105 and 106, or 110; Business Administration 120, 158, 162, 175 or 180.

One elective course must be chosen from the following: Business Administration 110; Computer Science/Information Systems 101, 105.

NOTE: This certificate will not satisfy the major requirements for the Associate in Science degree.

TELEVISION PRODUCTION

The Television Production curriculum is designed to prepare students for a career in the television industry. Typical entry level positions would be Production Assistant or Assistant Editor. The program is also suited for those desiring employment as independent video producers/directors. Three options are presented - Mass Media, Videography, and Corporate Television.

MASS MEDIA OPTION

These courses are required: Television 101, 102, 104, 107; Mass Communications 101, 102, 106; Theatre Arts 101.

A minimum of 3 units must be selected from the following: Business Administration 164; Cooperative Education 102 (2 units); Internship 150 (3 units); Mass Communications 102; Speech 100; Television 111; Theatre Arts 140.

VIDEOGRAPHY OPTION

These courses are required: Television 101, 102, 104, 107; Art 125, 130; Mass Communications 102; Photography 101.

A minimum of 3 units must be selected from the following: Art 131; Cooperative Education 102 (2 units); Internship 150 (3 units); Photography 103; Television 111; Theatre Arts 134.

CORPORATE TELEVISION OPTION

These courses are required: Television 101, 102, 104, 107; Business Administration 101, 166; Mass Communications 102.

A minimum of 3 units must be selected from the following: Art 130; Cooperative Education 102 (2 units); Internship 150 (3 units); Office Administration 201; Psychology 114; Television 111.

THEATRE ARTS—GENERAL CERTIFICATE

These courses are required (22 units): English 101 or 120; Speech 101 or 105; Theatre Arts 101, 103, 105 (3 units), 109 (1 unit), 121 (2 units), 123 (1 unit), 130 or 131 (3 units).

A minimum of 8 units must be selected from the following elective courses: Art 101, 102, 125, 130, 132, 152; English 102, 116, 121, 125, 126; Humanities 117; Dance 101, 134, 140, 141, 145; Speech 101 or 105; Theatre Arts 102, 104, 106, 110, 122, 134, 140.

WEB PUBLISHING SPECIALIST

This certificate is designed to train students to use the computer efficiently for World Wide Web publishing. The student must complete all CORE courses and then choose additional units to complete a total of 32 units.

CORE CURRICULUM

Computer Science/Information Systems 101 or 105, 126, 139, 190, 191, 192.

Additional Courses:

Art 130, 131, 134, 135, 136, 137; Business Administration 162, 166; Computer Science/Information Systems 123, 124; Mass Communications 102, 103, 107.

NOTE: Courses taken more than three years before the granting of the certificate must have the approval of the division chair for acceptance.

WELDING, OCCUPATIONAL (COMBINATION WELDER)

Occupational welding is a two-year program designed to prepare the student for entry into the welding field as a combination welder, skilled in metallic arc, tungsten inert gas, flux cored wire, metal inert gas welding, plasma arc cutting, oxy-fuel welding, cutting and braising of common metals. The emphasis will be on obtaining a welding certification at the completion of the required courses.

These courses are required: Drafting 129; Welding 121, 122, 123, 124, 125 (1 unit); Metallurgy 150 or Metals 150.

Elective units from the following list are recommended: Machine Technology 101 or 105; Materials and Processes 146; Mathematics 151; Technical Education 142; Welding 125.

* The units earned for this course may not be applied toward the 60 units for graduation.
GENERAL EDUCATION REQUIREMENTS
FOR GRADUATION FROM COLLEGES
AND UNIVERSITIES

It is important for students who plan to transfer to a four-year college or university at the close of their community college studies to decide early which college they will enter. Having decided this, they should plan their program in accordance with the requirements of that institution.

In general, students who are eligible for admission to a university at the time of twelfth year graduation are admitted to that institution after completion of community college work provided they have maintained a satisfactory record in all work taken since twelfth grade.

Ordinarily students with high school deficiencies (i.e. course work, GPA, SAT/ACT etc.) are not permitted to transfer to a four-year college or university in advanced standing until they have proven their ability to do college work. The requirements for college and university entrance with advanced standing vary significantly. Students should contact their counselor or the Transfer Center for these requirements.

The following are the General Education requirements for some of the four-year colleges and universities in this area. Requirements for additional colleges and universities are available from your counselor or the Transfer Center.

Agreements concerning transferability are constantly being updated, therefore the student is cautioned to check with a counselor or the Transfer Center for exact transfer information. Some University of California (UC) transfer credit may be limited; consult a counselor or the Transfer Center for additional information.
INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM
Valid through Summer 1999

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

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

The course requirements for all areas must be completed before the IGETC can be certified. All courses must be completed with grades of "C" or better.

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

GROUP A: ENGLISH COMPOSITION
(1 course, 3 semester units)
English 101

GROUP B: CRITICAL THINKING—ENGLISH COMPOSITION
(1 course, 3 semester units)
English 102, 104

NOTE: English 102 completed fall, 1992 through summer, 1995 must be used in Area 3, Humanities.

GROUP C: ORAL COMMUNICATION
(CSU ONLY)
(1 course, 3 semester units)
Speech 101

AREA 2—MATHEMATICAL CONCEPTS and QUANTITATIVE REASONING
(1 course, 3 semester units)

AREA 3—ARTS and HUMANITIES
(3 courses, 9 semester units)
At least one course from the Arts and one from the Humanities.

ARTS COURSES:
Music 101, 102, 110+, 120+, 125+, 126+, 127, 128
Theatre Arts 101, 102, 107

HUMANITIES COURSES:
French 121, 124, 125
German 125, 126
Humanities 101, 102, 105, 106, 110, 111, 115, 117, 120, 125
Philosophy 101, 113, 114, 116, 118, 119, 120, 121, 122
Spanish 124+, 125+, 126+, 127, 128

AREA 4—SOCIAL and BEHAVIORAL SCIENCES
(3 courses, 9 semester units)
Courses from at least two disciplines or an interdisciplinary sequence.
Anthropology 102, 103
Economics 101, 102, 105+, 111* (same as History 116)
Ethnic Studies 101, 102, 110, 111, 122, 124, 132, 164
Geography 102, 105, 110
Mass Communications 101
Political Science 101, 102, 103, 110, 111
Psychology 101, 103, 104, 106, 109 (same as Sociology 105), 113, 115
Social Science 121, 122, 123, 124, 131+, 132+, 134, 136* (same as History 136)
Sociology 101, 102, 104, 105 (same as Psychology 109)

AREA 5—PHYSICAL and BIOLOGICAL SCIENCES
(2 courses, 7-9 semester units)
One Physical Science course and one Biological Science course; at least one must include a laboratory.

PHYSICAL SCIENCE COURSES: (Laboratory courses are underlined)
Astronomy 101+, 102, 110+, 120+
Chemistry 101+, 102+, 103, 105, 106, 110, 114+, 120+, 121+
Geography 101, 111
Geology 101, 102, 103, 105, 110+, 111+ Oceanography 115, 116
Paleontology 101
Physical Science 131+
Physics 101+, 102+, 103+, 105+, 106+, 110+

BIOLOGICAL SCIENCES: (Laboratory courses are underlined)
Anthropology 101
Biology 101, 102, 112, 115+, 120+, 121+, 122+, 123, 125+, 126, 132+, 135

LANGUAGE OTHER THAN ENGLISH (UC REQUIREMENT ONLY)
Proficiency equivalent to two years of high school in the same language.
Armenian 101+, 115+, French 101; German 101; Italian 101; Japanese 101; Russian 101; Spanish 101+, 115+

CSU GRADUATION REQUIREMENT IN U.S. HISTORY, CONSTITUTION AND AMERICAN IDEALS
(Not part of IGETC; may be completed prior to transfer.)
American Institutions: Political Science 101, 105; Social Science 125-126, 132
American History: Economics 111; History 110, 111, 116, 117-118, 150, 151; Social Science 125-126, 131
State and Local Government: Political Science 106; Social Science 125-126, 132

NOTE: Courses used to meet this requirement may not be counted as part of the IGETC.

+ INDICATES THAT TRANSFER CREDIT MAY BE LIMITED BY UC OR CSU OR BOTH. PLEASE CONSULT WITH A COUNSELOR.
* COURSES DESIGNATED WITH AN ASTERISK MAY BE COUNTED IN ONE AREA ONLY.

NOTE: IGETC MUST BE COMPLETED AND CERTIFICATION MUST BE REQUESTED PRIOR TO ATTENDANCE AT A UC OR CSU.
GENERAL EDUCATION REQUIREMENT

This list of courses from which 39 units must be selected for certification has been submitted to the California State University and is effective for students entering Glendale Community College for the summer 1987 session and thereafter. All courses completed Fall, 1993 and thereafter must be completed with grades of "C" or better.

History and Constitution Requirement

All students seeking a baccalaureate degree are required by California law to demonstrate competence in the Constitution of the United States, in American History, including the study of American Institutions and Ideals, and in the principles of state and local government established under the Constitution of the State of California. In accordance with Ex. Order 405 the following requirements are satisfied as indicated:

American Institutions:
Political Science 101, 105; Social Science 125-126, 132

American History:
Economics 111; History 110, 111, 116, 117-118, 150, 151; Social Science 125-126, 131

State and Local Government:
Political Science 106; Social Science 125-126, 132

Breadth Requirement

Breadth Requirement courses which the president of Glendale Community College or his designated officer will certify as meeting the intent expressed in Executive Order No. 595 are listed below. Students will complete a minimum of thirty-nine (39) units from this list. No more than thirty (30) units may be certified in Areas B-D inclusive.

A. COMMUNICATION IN THE ENGLISH LANGUAGE AND CRITICAL THINKING (9 units)

English 101 (Required)
Speech 101 (Required)
English 102, 104, 118
Humanities 105, 110
Philosophy 117
Speech 100, 103, 104

NOTE: English 102 completed prior to fall 1995 must be used in Area C, Literature.

B. PHYSICAL UNIVERSE AND ITS LIFE FORMS (9 units)

Select one course from each of the following: Biological Sciences, Physical Sciences, and Mathematics. One Science course (either Biological or Physical) must include a laboratory activity.

BIOLOGICAL SCIENCE:

Anthropology 101
Biology 101*, 102*, 112*, 115*, 120*, 121*, 122*, 123, 125, 126*, 127, 128*, 130*, 132, 135*, 137*

PHYSICAL SCIENCE:

Astronomy 101, 102*, 103, 110, 120
Chemistry 101*, 102*, 103*, 105*, 106*, 107*, 110*, 114*, 120*, 121*
Geography 101, 111
Geology 101, 102, 103, 104, 105*, 110*, 111, 120
Oceanography 115, 116*
Paleontology 101
Physical Science 131*
Physics 101*, 102*, 103*, 105*, 106*, 110
Technical Education 145

*Denotes laboratory activity.

C. ARTS, LITERATURE, PHILOSOPHY AND FOREIGN LANGUAGE (9 units)

Courses must be selected from 3 of 4 areas. One course must be selected from the Arts.

ARTS:

English 103
Humanities 117**, 120**
Music 101, 102, 104, 105, 107, 108, 110, 120, 125, 126, 127, 128
Theatre Arts 101, 102

LITERATURE:

French 121, 124, 125, 126
German 125, 126
Humanities 101, 102, 106, 111, 115, 117**, 120**, 125, 130
Spanish 124, 125, 126, 127, 128
Speech 106
Theatre Arts 107

PHILOSOPHY:

Philosophy 101, 112, 113, 114, 116, 118, 119, 120, 121, 122

FOREIGN LANGUAGE:

Armenian 101, 102, 115, 116
French 101, 102, 103, 104
German 101, 102, 103, 104
Italian 101, 102, 103, 104
Japanese 101, 102
Russian 101, 102
Spanish 101, 102, 103, 104, 115, 116

**May be used in only one (1) area.

D. SOCIAL, POLITICAL AND ECONOMIC INSTITUTIONS (9 units)

Courses must be selected from 2 of 3 areas.

SOCIAL:

Anthropology 102, 103
Ethnic Studies 101, 102, 110, 111, 122, 124, 132, 164
Fashion Design Merchandising 208
Geography 102, 110
Mass Communications 101
Psychology 101, 103, 104, 115
Social Science 101, 121, 122, 124, 127, 136**
Sociology 101, 102

POLITICAL:

Political Science 102, 103, 109, 110, 111

ECONOMIC:

Economics 101, 102, 105
Geography 105

**May be used in only one (1) area.

E. LIFELONG UNDERSTANDING AND SELF-DEVELOPMENT (3 units)

Dance (all courses) (1 unit only)
Culinary Arts 125
Health 102, 104
Physical Education (all courses) (1 unit only)
Psychology 105, 106, 108, 109, 110, 111, 113, 131
Recreation Leadership 105
Social Science 134
Sociology 104, 105, 131
GENERAL EDUCATION CATEGORIES AND THE DIVERSITY REQUIREMENT
Effective August 1, 1998 through December 31, 1999

All USC students must complete six general education (GE) courses. In addition, there are requirements in writing, diversity, and (for certain majors) foreign language. Students have different GE and writing requirements depending on when they started college:

—New GE: Students who first enrolled in any college in fall 1997 or later, or who enroll in USC in fall 2000 or later, follow the "New" GE plan. They may use transfer courses to fulfill the lower division writing requirement (shown below), and four of the six GE categories (I, II, III, and V, listed below). GE categories IV and VI and the upper division writing requirement must be taken at USC.

—Transitional GE: Students who enrolled in college in spring 1997 or earlier and who enroll at USC in spring 2000 or earlier follow a "Transitional" GE plan, designed to smooth the transition from the "old" GE to the new plan. They may fulfill all six GE courses with transfer courses: the four categories listed immediately below (I, II, III, and V), and also categories IV and VI listed in the final part of this agreement (titled "THIS SECTION IS ONLY FOR STUDENTS ELIGIBLE FOR THE TRANSITIONAL GE PLAN"). They may fulfill the entire two-course composition requirement with transfer courses listed in the final part of this agreement.

For more information, see the booklet "Transferring to USC," available from the USC Office of Admission or on the World Wide Web at: http://www.usc.edu/dept/admissions/undergrad/transfer/index.html

The Diversity and Foreign Language requirements described below are the same for students following either the "new" or the "transitional" GE plans.

DIVERSITY REQUIREMENT: All students who entered college in fall 1993 or thereafter (at USC or elsewhere) must meet USC's diversity requirement. Courses which meet the diversity requirement are identified by the abbreviation MULTI.

LOWER DIVISION WRITING REQUIREMENT FOR STUDENTS FOLLOWING NEW GE PLAN: Any of the courses below fulfills the lower division writing requirement (an additional upper division writing course will need to be completed at USC):

   ENGLISH 102; 104

FOREIGN LANGUAGE SKILL LEVEL (New and Transitional GE): Certain USC majors have a language requirement for graduation, which requires completing the third semester (or fifth quarter) of a college-level foreign language with a passing grade (C- or higher), or passing USC's placement examination at a level equivalent to third semester competency. Students who do not finish their third semester (or fifth quarter) before transferring to USC must take USC's placement examination to determine their level of competency. If the test score indicates placement into a level which the student has already completed, the student will be advised, (but not required) to repeat the course at USC for no additional credit. Therefore, if your major requires the foreign language skill level and if you have started taking a foreign language, you are advised to complete the requirement before transferring to USC.

GENERAL EDUCATION CATEGORIES TRANSFERABLE BY STUDENTS FOLLOWING BOTH THE NEW AND THE TRANSITIONAL GE PLAN:

CATEGORY I: Cultures and Civilizations I
   ART 101; 102; 104; 105; 106
   ENGLISH 109; 110
   HISTORY 101; 102; 107; 108; 109
   HUMANITIES 120
   PHILOSOPHY 119; 120

CATEGORY II: Cultures and Civilizations II
   ANTHROPOLOGY 102
   ART 108; 109; 112; 116
   HISTORY 119
   MUSIC 127
   PHILOSOPHY 114; 121

CATEGORY III: Scientific Principles
   ASTRONOMY 101 with 102; 110 with 102; 120 with 102
   BIOLOGY 101; 115; 122; 125 with 126; 135
   CHEMISTRY 101; 110; 120
   GEOGRAPHY 101 with 111
   GEOLOGY 101 with 111; 105; 110
   OCEANOGRAPHY 115 with 116
   PHYSICAL SCIENCE 131
   PHYSICS 101; 105

CATEGORY V: Studies in Literature, Thought, and Arts
   ART 103; 107; 113; 118; 120(PRO); 121(PRO); 125
   ENGLISH 105; 106; 107; 108; 111; 114; 115; 116;
   117; 122; 123; 124; 125; 126; 128
   FRENCH 121
   MUSIC 120; 125; 126
   PHILOSOPHY 101
   SPANISH 124
   THEATRE ARTS 102; 107

Courses which meet the Diversity Requirement
   ETHNIC STUDIES 102(MULTI); 110(MULTI);
   122(MULTI); 124(MULTI); 132(MULTI)
   HISTORY 111(MULTI); 115(MULTI)
   HUMANITIES 125(MULTI)
   PSYCHOLOGY 113(MULTI)
   SOCIAL SCIENCE 121(MULTI); 122(MULTI);
   123(MULTI); 124(MULTI); 134(MULTI)
   SOCIOLOGY 101(MULTI); 104(MULTI)

POLICIES REGARDING GE COURSES FOR STUDENTS FOLLOWING THE NEW GE PLAN:
—No more than four (4) semester units of pass/no pass credit may be applied to GE requirements.
—A single course may be used to fulfill both a GE requirement and the diversity requirement.
—Once a student following the new GE plan enrolls at USC, he or she may no longer take courses elsewhere to fulfill GE or writing requirements.
UNIVERSITY OF SOUTHERN CALIFORNIA (cont’d)

THIS SECTION IS ONLY FOR STUDENTS ELIGIBLE FOR THE TRANSITIONAL GE PLAN

Students who entered USC before fall 1997, and transfer students who began college elsewhere no later than spring 1997 and enter USC no later than spring 2000, are eligible to follow the "transitional" GE plan. It requires six courses from at least five of the six new categories (I through VI), each in a different "old" GE Area of Study. Courses listed under category IV may be used to fulfill category III, for transitional students. Students in the following majors may not omit category III or IV, that is, they must take two science courses, each from a different Area of the natural world and a different department: majors in the College of Letters, Arts, and Sciences; Engineering majors; and students earning a B.A. degree in any school.

Students following the transitional GE plan may use transfer courses to fulfill categories I, II, III, VI, and V listed in the previous section of this agreement, and also categories IV and VI, listed below. Courses in these two categories are listed under the "old" Areas of Study which they fulfill. If two courses are taken in any of these categories, they must be from different Areas of Study.

Transitional GE transfer students who followed previous articulation agreements should use the agreement in effect at the time the courses were completed to determine the old GE Areas of Study fulfilled. These courses can be used to fulfill the new GE categories, as shown in the "Table of Equivalencies" in the "Transferring to USC" booklet. Specifically, courses taken to fulfill Western Culture I or 2 will fulfill category I; courses in Non-Western Cultures will fulfill category II; courses in any of the science Areas will fulfill categories III or IV; and courses in Literature or The Arts will fulfill category V. Transfer students who were advised following an out-of-date agreement should petition the USC Articulation Office after acceptance if they do not receive the GE credit listed in the previous agreement; grandfathering will be granted where warranted.

COMPOSITION REQUIREMENT FOR STUDENTS FOLLOWING THE TRANSITIONAL GE PLAN: Two semesters of college composition. Courses which can be used toward the requirement are:

ENGLISH 101; 102; 104

GE COURSES AVAILABLE ONLY FOR STUDENTS FOLLOWING THE TRANSITIONAL GE PLAN:

CATEGORY IV: Investigations in Science & Technology (courses listed below are valid for the period noted on this agreement only for students who began college anywhere before fall 1997 and enroll at USC by spring 2000).

Natural World Earth Science
ASTRONOMY 101; 110; 120
GEOGRAPHY 101
GEOLOGY 101; 102; 103; 105; 110, 120
OCEANOGRAPHY 115

Natural World Life Science
ANTHROPOLOGY 101
BIOLOGY 101; 102; 112; 115; 120; 121; 122; 123; 125; 127; 130; 132; 135
PALEONTOLOGY 101

Natural World Physical Science
ASTRONOMY 101; 110; 120
CHEMISTRY 101; 102; 103; 105; 106; 110; 120; 121
PHYSICAL SCIENCE 131
PHYSICS 101; 102; 103; 105; 106; 110

CATEGORY VI: Social Issues (courses listed below are valid for the period noted on this agreement only for students who began college anywhere before fall 1997 and enroll at USC by spring 2000).

American Public Life
HISTORY 115(MULTI); 118; 151
SOCIAL SCIENCE 121(MULTI); 122(MULTI); 123(MULTI); 131; 132

Empirical Approaches
ANTHROPOLOGY 103
ETHNIC STUDIES 110(MULTI)
GEOGRAPHY 102
POLITICAL SCIENCE 102
PSYCHOLOGY 103; 104; 106; 109(PRO)
SOCIAL SCIENCE 131; 132
SOCIOLOGY 101(MULTI); 105(PRO)

Ethical Approaches
HUMANITIES 105
PHILOSOPHY 116

RESTRICTION ON GE COURSES FOR STUDENTS FOLLOWING THE TRANSITIONAL GE PLAN:

—Some courses are listed for credit in two Areas of Study. Credit for only one category will be assigned. However, a single course may be used to fulfill both a GE requirement and the diversity requirement.

—No more than two courses counted toward the major may also be used to fulfill GE requirements.

—No more than two courses from any one department may be used to satisfy GE requirements.

—Courses fulfilling categories III and IV cannot be from the same department.

—Courses must be taken before spring 2000 to be used to fulfill categories IV or VI.

—No more than twelve (12) semester units of pass/no pass credit may be applied to GE requirements.
**TRANSFER PROGRAMS**

Transfer Programs are for students planning to transfer to a university or a four-year college with full junior standing. Students planning to transfer with junior standing may, with thoughtful planning, complete the graduation requirements for the Associate in Arts degree* by taking courses in the lower division which will also satisfy the Baccalaureate degree requirements.

Courses listed acceptable for the major and the lower division General Education Requirement are sent to the transfer institutions for verification.

Agreements concerning transferability are constantly being updated, therefore the student is cautioned to check with a counselor or the Transfer Center for exact transfer information. Some University of California (UC) transfer credit may be limited; consult a counselor or the Transfer Center for additional information.

*See Graduation Requirements.

### ACCOUNTING

**CSU, NORTH RIDGE**

**B.S. Accounting**

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### USC

**B.S. Accounting**

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### ANTHROPOLOGY

**CSU, LOS ANGELES**

**B.A. Anthropology**

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### BIOCHEMISTRY

**CSU, LOS ANGELES**

**B.S. Biochemistry**

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### BIOLOGY

**CSU, LOS ANGELES**

**B.S. Biology**

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### BUSINESS ADMINISTRATION

**CSU, CHICO**

**B.S. Business Administration**

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**CSU, LOS ANGELES**

**B.S. Business Administration**

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Econ 101 Microeconomics 3
Econ 102 Macroeconomics 3
Econ 107 Prob & Stats 3
OR Math 136 Statistics 3
Math 112 Bus Calc 5
OR Math 103 Calc I 5

CSU, NORTH RIDGE

B.S. Accounting
Accctg 101 Prin Accctg I 5
Accctg 102 Prin Accctg II 5
BusAd 120 Bus Law I 3
CS/IS 101-102 Intro Appl. 5-2
Econ 101 Microeconomics 3
Econ 102 Macroeconomics 3
Math 112 Bus Calc 5
OR Math 103 Calc I 5

USC

B.S. Business Administration
Accctg 101 Prin Accctg I 5
Accctg 102 Prin Accctg II 5
CS/IS 101 Intro 5
Econ 101 Microeconomics 3
Econ 102 Macroeconomics 3
Engl 102 Literary Analysis 3
OR Engl 104 Critical Thinking 3
Math 112 Bus Calc 5

CHEMISTRY

CSU, LOS ANGELES

B.A. Chemistry
Chem 101-102 General 5-5
Chem 103 Quant Analysis 4
Math 103-104 Calc I-II 5-5
Phys 105-106 General 4-4
OR Phys 101-102 Engr Physics 5-4

B.S. Chemistry
Chem 101-102 General 5-5
Chem 103 Quant Analysis 4
Math 103-105 Calc I-II-III 5-5-4
Math 108 Diff Equat 3
Math 107 Linear Algebra 3
OR CS/IS 150 Fortran 2
OR Math 130 Fortran 2
Phys 101-103 Engr Physics 5-4-5

CSU, NORTH RIDGE

B.A. Chemistry
Chem 101-102 General 5-5
Math 103-104 Calc I-II 5-5
Phys 105-106 General 4-4

B.S. Chemistry
Chem 101-102 General 5-5
Math 103-105 Calc I-II-III 5-5-4
Math 108 Diff Equat 3
Phys 101-103 Engr Physics 5-4-5

Recommended: 1 year of Russian, German or French.

B.S. Chemistry

Environmental Chemistry Option:
Biol 101-102 General 4-5
Biol 121 Physiology 4
Chem 101-102 General 5-5
Math 103-104 Calc I-II 5-5
Phys 105-106 General 4-4

CHICANO STUDIES

CSU, LOS ANGELES

B.A. Mexican-American Studies

General Option:
Hist 113 Hist Mex People 3
Soc S 122 Mex-Amer St. 3
Span 127 Mexican Lit 3

Multiple Subject Credential Option:
See GCC counselor.

CSU, NORTH RIDGE

B.A. Mexican-American Studies
Hist 113 Hist Mex People 3
Span 127 Mexican Lit 3

CHILDE DEVELOPMENT

CSU, LOS ANGELES

B.A. Child Development
Psych 101 General 3
Psych/Soc 131 Marriage/Family 3

Multiple Subject Credential Option:
See GCC counselor.

CSU, NORTH RIDGE

B.A. Child Development
Math 136 Statistics 3
Biol 121 Physiology 4
OR Phys 103 Physiological 3

COMMUNICATIVE DISORDERS

CSU, LOS ANGELES

B.A. Communicative Disorders
Speech 105 Voice & Diction 3

CSU, NORTH RIDGE

B.A. Communicative Disorders
Bio 122 Intro 4
Math 136 Statistics 3
Spanish 101 Beg. Span I 5
OR Spanish 100 Interp Com 3

COMPUTER INFORMATION SYSTEMS

CSU, LOS ANGELES

B.S. Computer Information Systems
Accctg 101 Prin Accctg I 5
Accctg 102 Prin Accctg II 5
BusAd 120 Bus Law I 3
CS/IS 101 Intro 5
CS/IS 140 Cobol 4
Econ 101 Microeconomics 3

Econ 102 Macroeconomics 3
Econ 107 Prob & Stats 3
OR Math 136 Statistics 3
Math 112 Bus Calc 5
OR Math 103 Calc I 5

COMPUTER SCIENCE

CSU, LOS ANGELES

B.S. Computer Science
CS/IS 160 Assembly 4
Math 103-105 Calc I-II-III 5-5-4
Math 107 Linear Algebra 3
Math 136 Statistics 3
Phys 101-103 Engr Physics 5-4-5

CSU, NORTH RIDGE

B.S. Computer Science
CS/IS 130 Pascal 4
Math 103-104 Calc I-II 5-5
Math 107 Linear Algebra 3
Select one sequence from:
Biol 101-102 General 4-5
OR Chem 101-102 General 5-5
OR Phys 101-102 Engr Phys 5-4
Select one additional lab science from:
Biol 102 General 5
Chem 101 General 5
Geog 101/111 Physical/Lab 3-1
Geol 101/111 Physical/Lab 3-1
Physics 101 Engr Phys 5

CRIMINAL JUSTICE

CSU, LOS ANGELES

B.S. Criminal Justice
ADMJ 101 Intro 3
ADMJ 103 Crim Law 3

DEAF STUDIES

CSU, NORTH RIDGE

B.A. Deaf Studies
Take after transfer.

EARTH SCIENCE

CSU, LOS ANGELES

B.A. Earth Science

General Option:
Astr 110-120 Astronomy 3-3
& 102 Observ 2
Chem 101-102 General 5-5
Geol 104 Field 2
Geol 105 Historical 4
Geol 101/111 Physical/Lab 3-1
Math 100/102 Coll Alg & Trig 3-3
OR Math 110 Precalculus 5
Math 103 Calc I 5
Phys 105-106 General 4-4
OR Phys 101-102 Engr Physics 5-4
ENGLISH

CSU, LOS ANGELES
B.A. English
General Option:
Engl 105 Engl Lit to 1780 3
OR
Engl 106 Engl Lit from 1780 3

Multiple Subject Credential Option:
See GCC counselor.

CSU, NORTHRIDGE
B.A. English
Literature Option:
Engl 105 Engl Lit to 1780 3
Engl 106 Engl Lit from 1780 3
Engl 122 Amer Lit to 1865 3
OR
Engl 123 Amer Lit from 1865 3

Creative Writing Option:
Engl 103 Creative Writ 3
Engl 105 Engl Lit to 1780 3
Engl 106 Engl Lit from 1780 3
Engl 122 Amer Lit to 1865 3
OR
Engl 123 Amer Lit from 1865 3

FIRE PROTECTION ADMINISTRATION AND TECHNOLOGY

CSU, LOS ANGELES
B.S. Degree
Pol S/Soc 107 Statistics 3
OR
Math 136 Statistics 3
Soc 101 Intro 3
Fire 103 Fund of Fire 3
Fire 104 Fire Fighting 3
Fire 105 Fire Protection 3
Fire 110 Fire Company 3
Choose 6 units from:
Fire 107 Fire Hydraulics 3
Fire 108 Fire Equip 3
Fire 109 Rescue Pract 3
Fire 111 Fire Investig 3
Fire 112 Wildland Ctrl 3
Fire 114 Hazardous Mat. 3

FRENCH

CSU, LOS ANGELES
B.A. French
Fren 103-104 Int Fren I-II 4-4
Fren 105 Conv 4

CSU, NORTHRIDGE
B.A. French
Fren 104 Int Fren II 4
Engl 109-110 World Lit 3-3

ENVIRONMENTAL & OCCUPATIONAL HEALTH

CSU, NORTHRIDGE
B.S., Environmental & Occupational Health
Biol 112 Microbiology 4
Chem 101-102 General 5-5
OR
Chem 120-121 Fundamentals 5-5
Chem 105-106 Organic 5-5
Math 110 Precalculus 5
Phys 105-106 General 4-4

Select one sequence: (A or B)

Sequence A:
Biol 121 Physiology 4
Biol 122 Intro Biol 4

Sequence B:
Biology 101-102 General 4-5

FAMILY ENVIRONMENTAL SCIENCES

CSU, NORTHRIDGE
B.S. Family Environmental Sciences
See GCC counselor.

GEOGRAPHY

CSU, LOS ANGELES
B.A. Geography
Geog 101 Physical 3
Geog 102 Cultural 3
Soc 107 Statistics 3
OR
Math 136 Statistics 3

Multiple Subject Credential Option:
See GCC counselor.

CSU, NORTHRIDGE
B.A. Geography
Geog 101 Physical 3
Geog 102 Cultural 3

GEOLOGY/GEOPHYSICS

CSU, LOS ANGELES
B.S. Geology
Chem 101-102 General 5-5
Geol 105 Hist Earth Sci 4
Geol 101/111 Physical/Lab 3-1
Math 103-104 Calc I-II 5-5
Phys 105-106 General 4-4

CSU, NORTHRIDGE
B.S. Geology
Geology Option:
Geol 101 & 111 Physical & Lab 3-1
Geol 105 Hist Earth Sci 4
Chem 101-102 General 5-5
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>CS/IS 101</td>
<td>Intro</td>
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<tr>
<td>Math 103</td>
<td>Calc I</td>
<td>5</td>
</tr>
<tr>
<td>Phys 105-106</td>
<td>General</td>
<td>4-4</td>
</tr>
<tr>
<td>OR</td>
<td>Phys 101-102</td>
<td>5-4</td>
</tr>
</tbody>
</table>

**Geophysics Options:**
- Geol 101 & 111 Physical & Lab: 3-1
- Chem 101-102 General: 5-5
- CS/IS 110 Intro Prog: 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tr>
<td>Math 103-105</td>
<td>Calc I-II</td>
<td>5-5-4</td>
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<tr>
<td>Math 108</td>
<td>Diff Equations</td>
<td>3</td>
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<tr>
<td>Math 128</td>
<td>Programming</td>
<td>2</td>
</tr>
<tr>
<td>Phys 101-103</td>
<td>Engr Phys</td>
<td>5-4-5</td>
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</tbody>
</table>

**CSU, NORTHRIDGE**

**B.A. German**
- Engi 109-110 World Lit: 3-3
- Germ 103-104 Int Germ I-II: 4-4

**CSU, LOS ANGELES**

**B.S. Health Science**
- Biol 120-121 Anat-Physiol: 5-4
- Chem 101 General: 5
- CS/IS 101 Intro: 5
- Health 101* First Aid: 1
- Health 104 Health Ed: 3
- Math 100 College Alg: 3
- Phys 105 General: 4
- Soc 101 Intro: 3

*Not required in Allied Health Option

**CSU, NORTHRIDGE**

**B.S. Health Science**

**Health Administration Option:**
- Acct 101-102 Acctg I-II: 5-5
- Biol 121 Physiology: 4
- Biol 122 Intro Biol: 4
- Math 112 Bus Calc: 5
- Psych 101 General: 3
- Soc 101 Intro: 3

**Health Education Option:**
- Biol 120 Human Anatomy: 5
- Biol 121 Physiology: 4
- Biol 122 Intro Biol: 4
- Chem 110 Elements: 5
- Health 104 Health Ed: 3
- Math 136 Statistics: 3
- Psych 101 General: 3
- Soc 101 Intro: 3

**Physical Therapy Option:**
- Biol 120 Human Anatomy: 5
- Biol 121 Physiology: 4
- Biol 122 Intro Biol: 4
- Chem 120-121 Fundamentals: 5-5
- CS/IS 101 Intro: 5

**Radiologic Technology Option:**
- Biol 120 Human Anatomy: 5
- Biol 121 Physiology: 4
- Biol 122 Intro Biol: 4
- Chem 110 Elements: 5
- Math 110 PreCalculus: 5
- Phys 105-106 General: 4-4
- Psych 101 General: 3

**HISTORY**

**CSU, LOS ANGELES**

**B.A. History**
- Hist 107-110 Civilization: 3-3
- Hist 117-118 History of US: 3-3

**Multiple Subject Credential Option:**
See GCC counselor.

**CSU, NORTHRIDGE**

**B.A. History**
- Choose 1 from:
  - Hist 101-102 Western Europe: 3-3
  - Hist 107-109 Civilization: 3-3
  - Hist 117 History of US: 3
  - Hist 118 History of US: 3
- Choose 1 from:
  - Hist 103-104 Latin America: 3-5
  - Hist 119 Far East: 3
  - Hist 120 Far East: 3

**HUMANITIES**

**CSU, NORTHRIDGE**

**B.A. Humanities**
- Art 101 OR 102 Survey Art Hist: 3
- Music 120 Hist/Appr Music: 3
- Any Foreign Language 101&102: 5-5

**INDUSTRIAL ARTS**

**CSU, LOS ANGELES**

**B.A. Industrial Arts**
- Bus Ad 154 Indus Safety: 3
- Draft 131 Tech Drafting: 5

**OR**
- Engr 101 Engr Drawing: 3
- ECT 101 Elect CIR I (DC): 3
- Photo 101 or 102 Intro or Drkrm: 3-3

**INDUSTRIAL TECHNOLOGY**

**CSU, LOS ANGELES**

**B.S. Industrial Technology**

**Aviation Administration Option:**
- CS/IS 101 Intro to CIS: 5

**Printing Management Option:**
- Acctg 101-102 Accounting I&II: 5-5
- Bus Ad 120 Bus Law I: 3
- Bus Ad 154 Indus Safety: 3
- Econ 101-102 Micro-Macro: 3-3

**Production Technology Option:**
- Math 100 College Algebra: 3
- Mgmt 155 Industrial Safety: 3
- CS/IS 120 Basic II: 2

**Chem 120 Fundamentals: 5**

**Select 8 semester units from the following:**
- Draft 131 Tech Drafting: 5
- OR Engr Drawing: 3
- ECT 101 Basic Elect: 4
- Photo 101 or 102 Intro or Drkrm: 3-3

**Required Management Courses:**
- Acctg 101-102 Prin of Acctg I&II: 5-5
- Econ 107 Prob & Statistics: 3
- OR Math 136 Statistics: 3
- Math 112 Calc for Business: 5
- OR Math 103 Calc I: 5

**JAPANESE**

**CSU, LOS ANGELES**

**B.A. Japanese**
Complete at CSULA.

**JOURNALISM**

**CSU, NORTHRIDGE**

**B.A. Journalism**
- MComm 101 Mass Comm: 3
- MComm 102 Reporting News: 3

**LATIN AMERICAN STUDIES**

**CSU, LOS ANGELES**

**B.A. Latin American Studies**

**General Option:**
- Anthro 102 Cultural: 3
- Geog 102 Cultural: 3
- Eth St 101 Lat Amer Cult Exp: 3
- Span 103-104 Inter Span I&II: 4-4

**Multiple Subject Credential:**
See GCC counselor.

**LEISURE STUDIES AND RECREATION**

**CSU, NORTHRIDGE**

**B.S. Recreation**

**Therapeutic Recreation Option:**
- Biol 120 Human Anatomy: 5
- Biol 121 Physiology: 4
- Rec L 105 PE and Rec L: 2

**LIBERAL STUDIES**

**CSU, LOS ANGELES**

**B.A. Liberal Arts**
See GCC counselor.

**CSU, NORTHRIDGE**

**B.A. Liberal Studies**
See GCC counselor.

**LINGUISTICS**

**CSU, NORTHRIDGE**

**B.A. Linguistics**
Take after transfer.
**MATHEMATICS**

**CSU, LOS ANGELES**

**B.A. Mathematics**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>CS/IS 135</td>
<td>C/C++</td>
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<td>CS/IS 150</td>
<td>Fortran</td>
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<tr>
<td>Math 103-105</td>
<td>Calc I-II-III</td>
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<tr>
<td>Math 107</td>
<td>Linear Alg</td>
<td>3</td>
</tr>
<tr>
<td>Phys 101-102</td>
<td>Engr Physics</td>
<td>5-4</td>
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</table>

**B.S. Mathematics**

<table>
<thead>
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<th>Course Title</th>
<th>Units</th>
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<tr>
<td>CS/IS 135</td>
<td>C/C++</td>
<td>4</td>
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<tr>
<td>CS/IS 160</td>
<td>Assembly</td>
<td>4</td>
</tr>
<tr>
<td>Math 103-105</td>
<td>Calc I-II-III</td>
<td>5-5</td>
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<tr>
<td>Math 107</td>
<td>Linear Alg</td>
<td>3</td>
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<tr>
<td>Math 136</td>
<td>Statistics</td>
<td>3</td>
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<tr>
<td>Phys 101-103</td>
<td>Engr Physics</td>
<td>5-4-5</td>
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</table>

**CSU, NORTHRIDGE**

**B.A. & B.S. Mathematics**

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Units</th>
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<tr>
<td>CS/IS 130</td>
<td>Pascal Prog.</td>
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<td>Math 103-105</td>
<td>Calc I-II-III</td>
<td>5-5</td>
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<td>Math 107</td>
<td>Linear Alg</td>
<td>3</td>
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<tr>
<td>Phys 101-102</td>
<td>Engr Physics</td>
<td>5-4</td>
</tr>
</tbody>
</table>

**MUSIC**

**CSU, LOS ANGELES**

**B.A. Music**

See GCC counselor.

**CSU, NORTHRIDGE**

**B.A. Music & Bachelor of Music**

See GCC counselor.

**NURSING**

**CSU, LOS ANGELES**

**B.S. Nursing**

Required Prerequisites:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>Biol 112</td>
<td>Microbiology</td>
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<tr>
<td>Biol 120-121</td>
<td>Anatomy-Physiol</td>
<td>5-4</td>
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<tr>
<td>Chem 120</td>
<td>Fundamentals</td>
<td>5</td>
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<tr>
<td>Cul Art 125</td>
<td>Nutrition</td>
<td>3</td>
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<tr>
<td>Engl 101</td>
<td>Fresh English</td>
<td>3</td>
</tr>
<tr>
<td>Psych 101</td>
<td>General</td>
<td>3</td>
</tr>
<tr>
<td>Soc 101</td>
<td>Intro</td>
<td>3</td>
</tr>
<tr>
<td>Speech 101</td>
<td>Public Speaking</td>
<td>3</td>
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</tbody>
</table>

**CSU, NORTHRIDGE**

**B.S. Nursing** (Limited to Registered Nurses):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>Biol 112</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>Biol 120-121</td>
<td>Anatomy-Physiol</td>
<td>5-4</td>
</tr>
<tr>
<td>Chem 110*</td>
<td>Elements</td>
<td>5</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chem 120*</td>
<td>Fundamentals</td>
<td>5</td>
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<tr>
<td>CS/IS 101</td>
<td>Intro</td>
<td>5</td>
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<tr>
<td>Math 110</td>
<td>Precalculus</td>
<td>5</td>
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<tr>
<td>OR</td>
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<td></td>
</tr>
<tr>
<td>Math 112</td>
<td>Calc for Business</td>
<td>5</td>
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<tr>
<td>OR</td>
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<td></td>
</tr>
<tr>
<td>Math 136</td>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Psych 101</td>
<td>General</td>
<td>3</td>
</tr>
<tr>
<td>Soc 101</td>
<td>Intro</td>
<td>3</td>
</tr>
</tbody>
</table>

**Exercise Science Option:**

Chem 101     General 5
OR
Chem 120     Fundamentals 5
Physics 105  General Phys 4

**Athletic Training Option:**

Chem 110 Elements 5
OR
Physics 110 Intro 3
Cul Art 125 Nutrition 3
Health 104 Health Ed 3
Psych 101 General 3

**PHYSICS**

**CSU, LOS ANGELES**

**B.A. Physics**

Chem 101-102 General 5-5
Chem 103 Quant Analysis 4
Math 103-105 Calc I-II-III 5-5-4
Math 108 Diff Equations 3
Phys 101-103 Engr Physics 5-4-5

**B.S. Physics**

Chem 101-102 General 5-5
Chem 103 Quant Analysis 4
Math 103-105 Calc I-II-III 5-5-4
Math 108 Diff Equations 3
Phys 101-103 Engr Physics 5-4-5

**Option in Biophysics:** Add:

Biol 101-102 General 4-5

**CSU, NORTHRIDGE**

**B.S. Physics**

Chem 101 General 5
Math 103-105 Calc I-II-III 5-5-4
Math 108 Diff Equations 3
Phys 101-103 Engr Physics 5-4-5

**Physics Option:** Add:

Chem 102 General 5

**Secondary Teaching Option:**

Biol 101-102 General 4-5
Chem 102 General 5
Geol 101/111 Physical/Lab 3-1

**POLITICAL SCIENCE**

**CSU, LOS ANGELES**

**B.A. Political Science**

Pol S 101 Intro Govt 3
and
Pol S 106 State & Local 1
Pol S 102 Mod Comp Govt 3
Pol S 107 Statistics 3
OR
Math 136 Statistics 3

**OPTIONS:** See GCC counselor.

**CSU, NORTHRIDGE**

**B.A. Political Science**

Pol S 101 Intro Govt 3
and
Pol S 106 State & Local 1
Pol S 102 Mod Comp Govt 3
Pol S 103 World Politics 3

**NUTRITIONAL SCIENCE**

**CSU, LOS ANGELES**

**B.S. Nutritional Science**

**Coordinated Dietetics Program (CDP) Option:**

**Preparatory Courses:**

- Acctg 101-102 Prin of Acctg I&II 5-5
- Anth 102 Cultural 3
- Or
- Soc 101 Intro 3
- Biol 112 Microbiology 4
- Biol 120-121 Anatomy-Physiol 5-4
- Chem 120-121 Fundamentals 5-5
- Cul Art 110 Foods 3
- Cul Art 111 Beg Food Prep 5
- Econ 105 American Economy 3
- Psych 101 General 3
- Required Core Courses:
  - Psych/Soc 131 Marriage/Family 3

**PAN-AFRICAN STUDIES**

**CSU, LOS ANGELES**

**B.A. Afro-American Studies**

Hist 131 Africa Post 1800 3
Eth S 132 Afro-Amer Exp 3

**Multiple Subject Credential Option:**

See GCC counselor.

**CSU, NORTHRIDGE**

**B.A. Afro-American Studies**

Take after transfer.

**PHILOSOPHY**

**CSU, LOS ANGELES**

**B.A. Philosophy**

Phil 101 Intro 3

**Multiple Subject Credential Option:**

See GCC counselor.

**CSU, NORTHRIDGE**

**B.A. Philosophy**

Phil 119 Ancient Philos 3
Phil 120 Modern Philos 3

**PHYSICAL EDUCATION**

**CSU, LOS ANGELES**

**B.S. Physical Education**

- Biol 120-121 Anatomy-Physiol 5-4
- Psych 101 General 3
- Soc 101 Intro 3

**Single Subject Credential Option:**

See GCC counselor.

**Multiple Subject Credential Option:**

See GCC counselor.

**CSU, NORTHRIDGE**

**B.S. Kinesiology**

- Biol 120-121 Anatomy-Physiol 5-4
- Biol 122 Intro 4
PSYCHOLOGY
CSU, LOS ANGELES
B.A. Psychology
Psych 101 General 3
Psych 103 Physiological 3
Psych 107 Statistics 3
OR
Math 136 Statistics 3
CSU, NORTHRIDGE
B.A. Psychology
Psych 101 General 3
Psych 103 Physiological 3
Psych 136 Statistics 3
RADIO-TV-FILM
CSU, LOS ANGELES
B.A. Radio & TV Broadcasting
Art 125 Hist of Film 3
Telev 102 TV Prod Sys 3
OPTIONS: See GCC counselor.
CSU, NORTHRIDGE
B.A. Radio-TV Broadcasting
Art 125 Hist of Film 3
MComm 101 Mass Comm 3
REHABILITATION SERVICES
CSU, LOS ANGELES
B.S. Rehabilitation Services
Psych 101 General 3
Soc 101 Intro 3
RELIGIOUS STUDIES
CSU, NORTHRIDGE
B.A. Religious Studies
Phil 113 Near East Rlgs 3
Phil 116 Ethics 3
SOCIAL SCIENCE
CSU, LOS ANGELES
B.A. Social Science
See GCC counselor.
SOCIAL WORK
CSU, LOS ANGELES
B.A. Social Work
Psych 101 General 3
OR
Soc 101 Intro 3
Soc 107 Statistics 3
OR
Math 136 Statistics 3
SOCIOLOGY
CSU, LOS ANGELES
B.A. Sociology
Soc 101 Intro 3
Soc 107 Statistics 3
OR
Math 136 Statistics 3
CSU, NORTHRIDGE
B.A. Sociology
Soc 101 Intro 3
Math 136 Statistics 3
SPANISH
CSU, LOS ANGELES
B.A. Spanish
Span 103-104 Int Span I-II 4-4
CSU, NORTHRIDGE
B.A. Spanish
Engl 109-110 World Lit 3-3
Span 103-104 Int Span I-II 4-4
Span 105 Conv Span 3
OR
Span 106 Conv Span 3
SPEECH COMMUNICATION
CSU, LOS ANGELES
B.A. Speech Communication
Speech 103 Group Discuss 3
OR
Speech 106 Oral Interp. of Lit. 3
Speech 104 Argumentation 3
CSU, NORTHRIDGE
B.A. Speech Communication
General Option:
Speech 100 Interp Com 3
OR
Speech 106 Oral Interp. of Lit. 3
Communications Studies Option:
Art 125 Hist of Film 3
MComm 101 Mass Comm 3
THEATRE ARTS
CSU, LOS ANGELES
B.A. Theatre Arts and Dance
Program under revision
CSU, NORTHRIDGE
B.A. Theatre Arts
T Art 103-104 Acting Fund 3-3
T Art 107 Drama Heritage 3
T Art 109 Stage Make-Up 1
T Art 121 Stage Design 2
OR
T Art 131 Technical Stage 3
T Art 123 Costume Design 1-4
T Art 134 Stage Lighting 2
URBAN STUDIES
CSU, NORTHRIDGE
B.A. Urban Studies
Econ 101-102 Micro-Macro 3-3
Technical Option: Add:
CS/IS 101 Intro 5
VOCATIONAL ARTS
CSU, LOS ANGELES
B.V.E.
Contact CSULA for information.
COURSE DESCRIPTIONS

Courses are listed in numerical order under department headings, which are in alphabetical order. Each course is listed by number with the course title and the number of units. Following each course description are the number of hours of lecture and laboratory and prerequisites of the course. Transferability of the course is indicated for institutions to which students tend to matriculate. Whether or not all courses described will be offered during the present academic year will depend on the student enrollment.

COURSE PREREQUISITES/COREQUISITES/RECOMMENDED PREPARATION

Prerequisites
"Prerequisite means a condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program."

Students are expected to have satisfied the prerequisite requirements as stated in this catalog for all courses. All prerequisite classes must have been completed with a satisfactory grade. "Satisfactory grade means that, for the course in question, the student's academic record has been annotated with the symbol A, B, C, or CR."

Corequisites
"Corequisite means a condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course."

Classes listed as corequisites must have been either completed or be taken concurrently.

Recommended Preparation
"Recommended preparation means a condition of enrollment that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program."

Recommended preparation is a prerequisite that is not required but has been judged by individual departments to be important to success in the course.

Equivalent: Whenever "equivalent" is listed as an alternative prerequisite, it is understood to indicate knowledge and/or skills learned through personal experience, education, and/or training equivalent to listed prerequisite courses. The criteria for such equivalency are established by each instructional discipline to ascertain whether there has been sufficient mastery of the content of the academic prerequisite.

Note: Title 5, Section 55534 (a) permits a student to appeal a course prerequisite based on the unavailability of the required course (see waiver of prerequisites).

DEGREE AND TRANSFER CREDIT

Not all courses offered at Glendale Community College award Associate In Arts and/or Associate in Science degree credit. Courses that do not award credit toward the AA/AS degrees contain the statement "non-degree applicable" in their course description and may not be counted toward the 60 unit requirement for graduation. All students completing non-degree applicable courses prior to Fall 1990 will continue to receive graduation credit for these courses. Transfer credit is noted at the end of each course description. The note "UC" means the course is transferable to the University of California, all campuses. The note "CSU" means the course is transferable to the California State University, all campuses. The note "USC" means the course is transferable to the University of Southern California. Agreements concerning transferability are constantly being updated, therefore the student is cautioned to check with a counselor or the Transfer Center for exact transfer information. Some University of California (UC) transfer credit may be limited; consult a counselor or the Transfer Center for additional information.

CALIFORNIA ARTICULATION NUMBER (CAN)

Glendale Community College participates in the California Articulation Number System. The California Articulation Number System (CAN) identifies some of the transferable, lower division, introductory (preparatory) courses commonly taught within each academic discipline on California college campuses.

The list of courses from campuses which have qualified to participate in the CAN system is available in the Articulation Office. The system assures students that CAN courses on one participating campus will be accepted "in lieu of" the comparable CAN course on another participating campus. For example: CAN Econ 2 on one campus will be accepted for CAN Econ 2 on another participating campus. Each campus retains its own numbering.

CAN numbers are listed parenthetically after each course description in this catalog.

VARIABLE UNITS

Certain courses in this catalog have variable units indicated and specify the maximum number of units that may be acquired by repetitive enrollment in the class. Students who complete variable unit classes and earn less than the maximum units as indicated may repeat those classes only until the maximum indicated units have been earned.

OPEN ENROLLMENT

Unless specifically exempted by statute, every course, course section, or class for which average daily attendance is to be reported for state aid shall be open for enrollment and participation by any person who has been admitted to the college and who meets the prerequisites of such courses.
101 PRINCIPLES OF ACCOUNTING I
5 Units
Accounting 101 introduces students to the use of accounting information, and to analysis using accounting and financial concepts and terminology. The course covers financial accounting, dealing with such topics as the accounting cycle, revenue and expense recognition, internal control, external reporting requirements, and asset, liability, and owners' equity valuation. Accounting information is presented from the user's viewpoint. Ethical issues and open-ended exercises requiring critical judgment and narrative response by students may be used throughout the course. Lecture 5 hours. Prerequisite: None. Note: This course may not be taken for credit by students who have completed Accounting 106 with a grade of "C" or better. Transfer credit: CSU, UC, USC (CAN BUS 2)

102 PRINCIPLES OF ACCOUNTING II
5 Units
Accounting 102 continues student development in the analytical use of financial and accounting concepts. The course covers external financing decisions, evaluating corporate performance and strategy using financial indicators and the statement of cash flows, and managerial accounting. Ethical issues and open-ended exercises requiring critical judgment and narrative response by students may be used throughout the course. Lecture 5 hours. Prerequisite: Accounting 101 or 106 or equivalent. Transfer credit: CSU, UC, USC (CAN BUS 4)

105 INTRODUCTORY ACCOUNTING I
2½ Units
Accounting 105 covers the accounting equation, the theory of debit and credit, the accounting cycle for service and merchandising businesses, the use of special journals and the preparation of trial balances and simple financial statements. Lecture 3 hours. Prerequisite: None. Note: Accounting 105 and 106 together cover the same material as Accounting 101. This course may not be taken for credit by students who have completed Accounting 101. Transfer credit: CSU

106 INTRODUCTORY ACCOUNTING II
2½ Units
Accounting 106 is a continuation of Accounting 105. The topics covered include deferrals and accruals, receivables and payables, cash control and the voucher system, inventory systems, fixed assets, payroll, systems analysis and accounting concepts and principles. Lecture 3 hours. Prerequisite: Accounting 105. Note: Accounting 105 and 106 together cover the same material as Accounting 101. This course may not be taken for credit by students who have completed Accounting 101. Transfer credit: CSU

110 BASIC ACCOUNTING I
4 Units
Accounting 110 is an introductory course in bookkeeping including study of the accounting equation, the theory of debit and credit, accounting devices, working papers and business forms, and the preparation of balance sheets and income statements. Lecture 4 hours, laboratory 1 hour. Recommended preparation: Business Office Technology 110. (Business Office Technology 110 may be taken concurrently.) Note: Recommended for students who do not intend to transfer to a four-year college. No credit will be allowed for Accounting 110 if taken concurrently with Accounting 101 or after completion of Accounting 101 or Accounting 102 with "C" grade or better.

119 COMPUTERIZED ACCOUNTING SYSTEMS
4 Units
Accounting 119 provides students with computer skills required for employment in the field of computerized accounting. This course provides an introduction to accounting software for bookkeepers, accountants, and business managers. Lecture 3 hours, laboratory 3 hours. Prerequisite: Accounting 101 or 110. Transfer credit: CSU

121 ADVANCED COMPUTERIZED ACCOUNTING
1 Unit
Accounting 121 is an advanced course allowing students to prepare sophisticated practice sets from assorted accounting software. Lecture 1 hour, laboratory 2 hours. Prerequisite: Accounting 120 or equivalent. Note: This course may be taken 4 times; a maximum of 4 units may be earned.

130 PAYROLL ACCOUNTING
3 Units
Accounting 130 is in-depth and practical instruction in payroll accounts. It offers an opportunity for the student to learn essential concepts of payroll and to master these concepts thoroughly by completing a wide variety of realistic activities. It covers payroll laws, payroll calculations, paying and recording payroll, federal and state payroll taxes and returns, and payroll systems, manual and computerized. Lecture 3 hours, laboratory 1 hour. Recommended preparation: Eligibility for Business Office Technology 102; Accounting 101, 110 or experience in accounting.

150 PRINCIPLES OF INCOME TAXATION
3 Units
Accounting 150 is a course that focuses on the analysis and preparation of tax returns, itemized deductions, and a technical proficiency in Federal tax law as it applies to the individual. This course provides the foundation of knowledge required for tax practitioners. Lecture 3 hours. Prerequisite: None. Note: This course may be taken 4 times; a maximum of 12 units may be earned. A maximum of 3 units will transfer. Transfer credit: CSU

155 VOLUNTEER INCOME TAX ASSISTANCE
2 Units
Accounting 155 is a course that teaches and then applies the fundamental knowledge of income tax preparation. With the assistance of the instructor and Internal Revenue agents, students will assist low income and disadvantaged citizens in the community in the preparation of Federal tax forms. Lecture 1½ hours, laboratory 1½ hours. Prerequisite: None. Note: The course is designed for non-professionals.

160 ADVANCED INCOME TAXATION
3 Units
Accounting 160 covers the tax effects of accounting methods, rental and royalty income, business income and expenses, mechanisms for realizing income such as corporations and partnerships, and minimization of taxes through tax planning. This course is of assistance to tax practitioners, individuals seeking an overview of the various methods of taxation, and those planning to take the Enrolled Agents examination given by the I.R.S. Lecture 3 hours. Prerequisite: Accounting 150 or equivalent. Note: This course may be taken 4 times; a maximum of 12 units may be earned. Transfer credit: CSU
ADMINISTRATION OF JUSTICE

Classes in Administration of Justice are offered in the Evening College Program for students interested in preparing for careers in a wide variety of fields related to law enforcement, corrections, private security, and judicial procedures. Special short term seminars are also offered periodically. A certificate of completion may be earned.

101 INTRODUCTION TO THE ADMINISTRATION OF JUSTICE
3 Units
Administration of Justice 101 covers the history and philosophy of administration of justice in America; recapitulation of the system; identification of the various subsystems, roles, expectations, and their interrelationships; theories of crime, punishment, and rehabilitation; ethics, education, and training for professionalism in the system. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC (CAN AJ 2)

103 CONCEPTS OF CRIMINAL LAW
1-3 Units
Administration of Justice 103 is a study of the legal definition of crime and defenses; purposes and functions of the substantive criminal law; historical foundations; the limits of the criminal law; focus upon the case study approach. Lecture 3 hours. Prerequisite: Administration of Justice 101 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU, UC, USC

107 COMMUNITY RELATIONS
1-3 Units
Administration of Justice 107 focuses on the in-depth exploration of the roles of administration of justice practitioners and their agencies. Through interaction and study, the student becomes aware of the interrelationships and role expectations among the various agencies and the public. Principal emphasis is placed upon the professional image of the system of administration of justice and the development of positive relationships between members of the system and the public. Lecture 3 hours. Prerequisite: Administration of Justice 101 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU, UC, USC

108 CONTEMPORARY POLICE OPERATIONS AND ISSUES
1-3 Units
Administration of Justice 108 is designed to develop basic understandings and a reasonable degree of skill with reference to the following problems and issues: responsibilities, power, and duties of the patrol officer; discretion; patrol procedures; field interrogation; preliminary handling of field problems; stake-outs; arrest procedures; vehicle code and transportation of prisoners; special police problems; moral and legal aspects of firearm usage. The course covers contemporary issues in police operations such as patrol efficiency, crime prevention, corruption, recruitment, training and stress management. Lecture 3 hours. Prerequisite: Administration of Justice 101 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

110 PRINCIPLES AND PROCEDURES OF THE JUSTICE SYSTEM
1-3 Units
Administration of Justice 110 presents an in-depth study of the role and responsibilities of each segment within the administration of justice system: Law enforcement, judicial, corrections. A past, present, and future exposure to each sub-system procedure from initial entry to final disposition and the relationship each segment maintains with its system members. Special emphasis is on the judicial processes. Lecture 3 hours. Prerequisite: Administration of Justice 101. (Administration of Justice 101 may be taken concurrently.) Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

116 CRIMINAL INVESTIGATION
1-3 Units
Administration of Justice 116 focuses on the fundamentals of investigation; crime scene search and recording; collection and preservation of physical evidence; scientific aids; modus operandi; sources of information; interviews and interrogation; follow-up and case preparation; mechanical truth devices; truth serums; crime laboratory. Lecture 3 hours. Recommended preparation: Administration of Justice 101 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

117 CRISIS INTERVENTION
1-3 Units
Administration of Justice 117 is designed to provide those skills necessary to deal with interpersonal conflict. The course addresses some of the interpersonal problems creating stress, conflict and anger and reviews some of the basic psychological techniques used in dealing with interpersonal problems. Specifically, the course familiarizes the student with intervention techniques in attempt suicides, death/injury notifications, domestic situations, disputes between landlord and tenants and intervention techniques with crime victims. The course covers recommended techniques in dealing with job related stress. A review of theoretical concepts and practical role playing situations provides the framework for the course. Lecture 3 hours. Prerequisite: Administration of Justice 101 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

118 YOUTHFUL OFFENDERS
1-3 Units
Administration of Justice 118 reviews the organization, functions, and jurisdiction of juvenile agencies; the processing and detention of juveniles; juvenile case disposition; juvenile statutes and court procedures. There are discussions on selected delinquency theories and a review of current correctional methods utilized in the treatment and control of juvenile delinquency in America. Lecture 3 hours. Prerequisite: Administration of Justice 101. (Administration of Justice 101 may be taken concurrently.) Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

120 LEGAL ASPECTS OF EVIDENCE
1-3 Units
Administration of Justice 120 is concerning the origin, development, philosophy, and constitutional and procedural considerations affecting arrest, search, and seizure; kinds and degrees of evidence and rules governing admissibility; judicial decisions interpreting individual rights and case studies. Lecture 3 hours. Prerequisite: Administration of Justice 101 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU
129 SPECIAL CRIMES AND DANGEROUS DRUGS
1-3 Units
Administration of Justice 129 is designed to give all levels of law enforcement officers a fundamental understanding of narcotic addiction and the effects of hypnotic drugs as these factors are involved in the daily routine of police work review of the principles of detecting and investigating special crime offenses. The course also focuses on gambling, confidence games, loansharking, prostitution, and other crimes associated with organized crime activity. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

130 LAW ENFORCEMENT SUPERVISION AND MANAGEMENT
1-3 Units
Administration of Justice 130 provides an overview of the basic concepts, problems, issues, and concerns of a contemporary police organization. The four major areas the course examines and evaluates are: the preparation of the individual officer for future promotional examinations, the current major police supervisory principles and ideologies, the proven techniques and skills required in the practice of sound supervision in police service, and a survey of management theory. Lecture 3 hours. Prerequisite: Administration of Justice 101 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

134 REPORT WRITING
1-3 Units
Administration of Justice 134 encompasses a survey of report writing and Records and Identification Bureaus. A study to aid police officers to analyze what they see, and to make a permanent and coherent record of facts to be used in criminal prosecution and administration procedures. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

155 FIREARMS TRAINING
1%-1 1/2 Units
Administration of Justice 155 is presented to fulfill the requirements of the P.C. 832 Module II training specifications. Lecture 1-3 hours, laboratory 2-5 hours. Prerequisite: Administration of Justice 204 or 205 and a passing score on Module I and III of the P.O.S.T. examination to meet requirements of P.C. 832. Recommended preparation: Eligibility for English 120 or ESL 151 or equivalent. Note: This course may be taken 3 times; a maximum of 4 1/2 units may be earned.

205 ADVANCED FIELD OFFICER COURSE
1%-2 1/2 Units
Administration of Justice 205 is designed primarily but not exclusively for students employed as peace officers or private security officers. The course benefits those persons who need retraining or wish to develop specific job skills. This program updates the field officer on selected police skills and procedures, and also examines the problem of stress as it relates to the practice of law enforcement. The course must be taken for a minimum of 24 hours. Lecture 8-40 hours. Prerequisite: Administration of Justice 101 or equivalent. Note: This course may be taken 3 times; a maximum of 7 1/2 units may be earned.

ALCOHOL/DRUG STUDIES

101 ALCOHOL/DRUG ABUSE AND DEPENDENCY
3 Units
Alcohol/Drug Studies 101 is the study of the history of alcohol use in various cultures, its acute and chronic effects on the human body, and the development of alcohol/drug dependency and related disorders. The course addresses the consequence of dependency on the individual, the family system, and society, with special emphasis on several ethnic and cultural populations. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU

103 CHEMICAL DEPENDENCY: INTERVENTION, TREATMENT, AND RECOVERY
3 Units
Alcohol/Drug Studies 103 is designed to introduce students to the process of recovery from chemical dependency and familiarize them with the essential tools and techniques necessary in helping the chemical dependent person to bring about a positive life style change during the rehabilitation process in order to establish a lasting and productive recovery. Lecture 3 hours. Prerequisite: Alcohol/Drug Studies 101. (Alcohol/Drug Studies 101 may be taken concurrently.) Transfer credit: CSU

105 PHARMACOLOGY: ALCOHOL AND OTHER DRUGS
3 Units
Alcohol/Drug Studies 105 is the study of the fundamental principles of the action of alcohol and other drugs on the human body. The pharmacological and physiological implications of tolerance, habituation, and excessive consumption is discussed, and the physiological and medical effects of alcohol on the human body during the various stages of psychosexual development are presented. Lecture 3 hours. Prerequisite: Alcohol/Drug Studies 103. Transfer credit: CSU

110 COUNSELING TECHNIQUES/CASE MANAGEMENT
3 Units
Alcohol/Drug Studies 110 is designed to develop an understanding of a variety of personality theories as applied to the unique life style of the chemically dependent person and to provide an overview of theory and application in counseling individuals afflicted with this disorder. Lecture 3 hours. Prerequisite: Alcohol/Drug Studies 105. Recommended preparation: Psychology 101, 108, or Sociology 101. Transfer credit: CSU

111 COUNSELING THE CHEMICAL DEPENDENT'S FAMILY
3 Units
Alcohol/Drug Studies 111 is designed to develop an awareness of individual and family dynamics within the chemically dependent family and to develop an understanding of family systems theory and personality theories as applied to the treatment of the family unit. Lecture 3 hours. Prerequisite: Alcohol/Drug Studies 105. Recommended preparation: Psychology 101, 108, or Sociology 101. Transfer credit: CSU
112 GROUP LEADERSHIP AND THE GROUP PROCESS
3 Units
Alcohol/Drug Studies 112 is an introduction to the dynamics of group interaction and function of the counselor as a facilitator. The emphasis of this course is on the group process in the "here and now" as a method of bringing about behavioral change. The course includes a strong experiential component. Lecture 3 hours. Prerequisite: Alcohol/Drug Studies 105. Recommended preparation: Psychology 101, 108, or Sociology 101. Transfer credit: CSU

113 CHEMICAL DEPENDENCY AND HUMAN SEXUALITY
3 Units
Alcohol/Drug Studies 113 explores the symbiotic relationship of alcohol and drug abuse to sexual pathology and deviation. Clinical research involving alcohol/drug dependency, and sexual dysfunction, and deviation are reviewed and discussed. Strategies of sex therapy and psychotherapy are presented, along with specific intervention and treatment techniques. Lecture 3 hours. Prerequisite: Alcohol/Drug Studies 105. Recommended preparation: Psychology 101, 108, or Sociology 101. Transfer credit: CSU

114 SPECIAL POPULATIONS
3 Units
Alcohol/Drug Studies 114 is an exploration of the social, cultural, and psychological consequences of ethnic background as contributing factors in the misuse of alcohol and drugs. The changing role of women in society, stress-producing factors in marriage, and the abuse of alcohol/drugs in the adolescent and elderly populations are studied. The lack of choice as to status, categorization within society, and structural adaptations of Blacks, Chicanos, Indians, and other ethnic and racial minorities are also explored. Lecture 3 hours. Prerequisite: Alcohol/Drug Studies 105. (Alcohol/Drug Studies 105 may be taken concurrently.) Transfer credit: CSU

115 ADULT CHILDREN OF CHEMICAL DEPENDENT FAMILIES
3 Units
Alcohol/Drug Studies 115 explores the effects of alcohol/drug dependency and other severe psychological disorders within the dynamics of the family system. The effects of emotional and physical deprivation, violence, and child abuse are examined. Affective behavioral patterns and core issues are discussed, and various treatment modalities are presented. Lecture 3 hours. Prerequisite: Alcohol/Drug Studies 103. Transfer credit: CSU

116 SOCIAL MODEL TREATMENT AND RECOVERY
3 Units
Alcohol/Drug Studies 116 provides students with an opportunity to observe, experience, and evaluate the social model method of treating alcoholism and related disorders as a cost-effective alternative to the traditional clinical model approach. The social model residential and environmental approach to recovery as a method of developing sobriety is studied in depth. Lecture 2 hours, instructor-led discussion (ILD) 1 hour, practicum 2 hours. Prerequisite: Alcohol/Drug Studies 105. Recommended preparation: Psychology 101, 108, or Sociology 101. Transfer credit: CSU

117 ADVANCED CONCEPTS IN CHEMICAL DEPENDENCY AND RELATED DISORDERS
3 Units
Alcohol/Drug Studies 117 provides students with an opportunity to evaluate a variety of modern theories and concepts concerning the etiology and pathology of alcoholism and related disorders. Psychological factors which influence the development of the disease are studied from an "inception" point of view rather than from the usual "after the fact" perspective. Through this modern approach the student gains an in-depth understanding of the complex interaction of the biological, psychological, and sociological factors that affect the development of the disease and the implications for treatment. Lecture 3 hours. Prerequisite: Alcohol/Drug Studies 105. Recommended preparation: Psychology 101, 108, or Sociology 101. Transfer credit: CSU

150 ALCOHOLICS ANONYMOUS AND RECOVERY
3 Units
Alcohol/Drug Studies 150 is designed to provide students with an opportunity to observe, experience and evaluate Alcoholics Anonymous and a variety of self-help groups involved in the community continuum of care in the treatment of alcohol/drug dependency and related disorders. The Alcoholics Anonymous "twelve step" program of recovery as a method of developing sobriety is studied in depth. Lecture 3 hours, practicum 4 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU

151 COMMUNITY NETWORKING
3 Units
Alcohol/Drug Studies 151 is designed to provide students with an opportunity to survey and evaluate a variety of service agencies, programs, and facilities involved in the community continuum of care in the treatment of alcohol/drug dependency and related disorders. Lecture 3 hours, practicum 4 hours. Prerequisite: Alcohol/Drug Studies 150. Transfer credit: CSU

152 SEMINAR/INTERNSHIP—ETHICAL ISSUES
4 Units
Alcohol/Drug Studies 152 is part of a two semester internship where the student is placed in an alcohol/drug related program or agency and under agency supervision gains experience working with the community continuum of care. The course focuses on the following: legal and ethical issues in chemical dependency counseling, agency, counselor, and client relationships, crisis intervention, and individual case management. Lecture 4 hours, practicum 8 hours. Prerequisite: Alcohol/Drug Studies 110, 111, or 112. Transfer credit: CSU
153 SEMINAR/INTERNSHIP—CORE FUNCTIONS
4 Units
Alcohol/Drug Studies 153 is part of a two semester sequence where the student is placed in an alcohol/drug related program or agency and under agency supervision gains experience working with the community continuum of care. The course focuses on the following: legal and ethical issues in chemical dependency counseling, case management of groups and families, development of educational lectures and workshops, and personal and professional growth. Lecture 4 hours, practicum 8 hours. Prerequisite: Alcohol/Drug Studies 110, 111 or 112. Transfer credit: CSU

ALLIED HEALTH
See NURSING

ANATOMY
See BIOLOGY 120

ANTHROPOLOGY

101 PHYSICAL ANTHROPOLOGY
3 Units
Anthropology 101 is a study of human genetics; the relationship of humans to the animal world; evolutionary theory; fossil humans; racial differentiation, classification, and distribution; and current and ongoing evolution. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC (CAN ANTH 2)

102 CULTURAL ANTHROPOLOGY
3 Units
Anthropology 102 is a study of the origin and development of human cultures and includes description of the material culture as well as social organization. It includes description of the material kinship patterns, political systems, religious beliefs and insights gained through linguistic study. The emphasis is placed on recent and contemporary tribal societies. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC (CAN ANTH 4)

103 ARCHAEOLOGY
3 Units
Anthropology 103 is a general course in archaeology for beginning students. The material covered includes professional opportunities, methods of locating and digging sites, preserving and restoring artifacts, and methods of dating artifacts. Pre-history is traced through the various Stone Ages in the Old World into recorded historical times, emphasizing famous classical sites. Attention is similarly given to pre-history in the Americas. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC (CAN ANTH 6)

ARCHITECTURE

101 DRAFTING AND BASIC DESIGN
3 Units
Architecture 101 is a study in the fundamentals of drafting techniques used in architectural drawing, and the basic design procedure relative to good residential planning. The course studies residential building codes, drafting of working drawings, scale drawing of construction details, framing concepts, and proper dimensioning techniques. Lecture 2 hours, laboratory 4 hours. Prerequisite: Art 130. (Art 130 may be taken concurrently.) Recommended preparation: Eligibility for English 120 or ESL 151. Note: Required for architecture majors. Recommended for art majors. Transfer credit: CSU

102 ARCHITECTURAL DRAFTING AND DESIGN
3 Units
Architecture 102 is the study of the design of the single family dwelling with emphasis on the ranch type structure. Discussion covers the latest construction innovations, framing techniques, scale detail drawing, and the drafting of working drawings. Study explores in greater detail the applicable building codes pertinent to residential construction, modular construction, solar planning, insulation requirements, orientation, and other facets of construction. Lecture 2 hours, laboratory 4 hours. Prerequisite: Architecture 101 and 105. Note: This course may not be taken for credit by students who have completed Architecture 109. Transfer credit: CSU

103 DESCRIPTIVE GEOMETRY
3 Units
Architecture 103 is an applied science treating of graphic representation of lines, planes, surfaces, and solids. Architectural applications are used for subject matter. Simple shades and shadows. Lecture 2 hours, laboratory 4 hours. Prerequisite: One year of architectural or mechanical drawing or Architecture 101 or Engineering 101. Recommended preparation: Eligibility for English 120 or ESL 151. Note: Required for architecture majors. This course may not be taken for credit by students who have completed Engineering 103. Transfer credit: CSU, UC, USC

105 PERSPECTIVE GRAPHICS
3 Units
Architecture 105 is a course in technical perspective. Skills are developed in drawing of various architectural subjects and their shadows, rendering in various media, sketching in people, objects and landscape background and foreground. Lecture 2 hours, laboratory 4 hours. Prerequisite: Art 130, 150, and 151. (Art 151 may be taken concurrently.) Recommended preparation: Eligibility for English 120 or ESL 151. Note: Required for architecture majors. This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU, UC, USC

120 ARCHITECTURAL DESIGN I
3 Units
Architecture 120 presents a study of the numerous considerations required to build a two story dwelling, a two story apartment complex, or a retail building. Discussion covers fundamentals of design, building code considerations, and techniques of construction. Lecture 2 hours, laboratory 4 hours. Prerequisite: Architecture 101 and 105. Note: This course may not be taken for credit by students who have completed Architecture 109. Transfer credit: CSU
125
ARCHITECTURAL DESIGN II
3 Units
Architecture 125 presents a study of the numerous considerations required to build a typical two story single family home, a typical two story apartment complex, or a small store. Discussion reviews fundamentals of design, building code considerations, techniques of construction, and introduces working drawings and construction detail. Additional work includes beam loading calculation, heating, insulation, sound proofing, sanitary systems, soil problems, presentation techniques, and model building techniques. Lecture 2 hours, laboratory 4 hours. Prerequisite: Architecture 120. Note: This course may not be taken for credit by students who have completed Architecture 109. Transfer credit: CSU

130
ARCHITECTURAL DESIGN III
3 Units
Architecture 130 is a study of the concepts of basic commercial building construction. Emphasis is placed on the basic planing and design of a small commercial building of concrete block construction. Current construction techniques, and applicable building codes are covered. Lecture 2 hours, laboratory 4 hours. Prerequisite: Art 130 and Architecture 125. Note: This course may not be taken for credit by students who have completed Architecture 110. Transfer credit: CSU

135
ARCHITECTURAL DESIGN IV
3 Units
Architecture 135 is a study of the concepts of basic commercial building construction. Emphasis is placed on the basic planing and design of a small commercial building of concrete block construction. Current construction techniques, and applicable building codes are covered. Lecture 2 hours, laboratory 4 hours. Prerequisite: Architecture 130. Note: This course may not be taken for credit by students who have completed Architecture 110. Transfer credit: CSU

141
INTERIOR DESIGN
(Also listed as Art 141)
3 Units
Architecture 141 begins with the study of the floor plan and architectural background and moves through the selection and arrangement of furniture, floor, and window treatments, lighting, and accessory planning. Emphasis is placed on the use of design elements such as color, line, shape, texture, pattern, space, and their interaction with one another in the interior environment. Lecture 3 hours. Recommended preparation: Art 130. Note: This course may not be taken for credit by students who have completed Art 141. Transfer credit: CSU

191
ARCHITECTURAL ENGINEERING DRAFTING AND DESIGN
5 Units
Architecture 191 is discussion and preparation of working drawings for major structures. The course is a study of practices common to the construction of commercial reinforced concrete buildings; the relationship of plumbing, heating, ventilating, electrical, and air conditioning systems in the various areas of the structure; drawing changes of typical views, integrating and detailing them in the completed set of drawings; understanding and satisfying the requirements of the architect; studying the realities of the successful drafts-person; the application of the current building code; and the cost factors affecting revisions. Lecture 3 hours, laboratory 6 hours. Prerequisite: Art 130. (Art 130 may be taken concurrently.) Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU

192
ARCHITECTURAL ENGINEERING DRAFTING AND DESIGN
(Residential)
5 Units
Architecture 192 is discussion and preparation of working drawings for brick and concrete block structures. The course is a study of practices common to the construction of commercial buildings; the relationship of plumbing, heating, ventilating, electrical, and air conditioning systems. Drawing changes of typical views; studying and satisfying the requirement of the architect. Lecture 3 hours, laboratory 6 hours. Prerequisite: Architecture 191. Transfer credit: CSU

193
PROFESSIONAL DRAFTING FOR ARCHITECTURE (Commercial & Multiple Dwelling Projects)
5 Units
Architecture 193 covers analysis and workshop development of coordinated construction drawing units for standard elements of building in major framing and finishing systems and materials. Lecture 3 hours, laboratory 6 hours. Prerequisite: Architecture 192 or equivalent. Recommended preparation: Art 130, 150, 151. Transfer credit: CSU

194
ARCHITECTURAL ENGINEERING DESIGN (Commercial)
5 Units
Architecture 194 is a class project in the preparation of a complete set of working drawings from given specifications, including various presentation media stressing the group concept in architectural design. Lecture 3 hours, laboratory 6 hours. Prerequisite: Architecture 193. Recommended preparation: Architecture 105. Transfer credit: CSU

ARMENIAN

101
BEGINNING ARMENIAN I
5 Units
Armenian 101 covers the Armenian alphabet, its letters and their sounds, and the fundamentals of Armenian grammar. Students are taught to pronounce correctly, to acquire a practical vocabulary, and to understand, read, write and speak simple Armenian. Lecture 5 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: Not open to students with oral proficiency or who have attended schools where Armenian was the language of instruction. This course may not be taken for credit by students who have completed Armenian 115 or 116. Transfer credit: CSU, UC, USC

102
BEGINNING ARMENIAN II
5 Units
Armenian 102 continues the development of fundamental language skills, including comprehension, reading of simple texts in poetry and prose, and writing with a fair degree of grammatical correctness. The course teaches the speaking of everyday Armenian, and also prepares the student for more advanced work in the language. Lecture 5 hours. Prerequisite: Armenian 101 or equivalent. Note: This course may not be taken for credit by students who have completed Armenian 115 or 116. Transfer credit: CSU, UC, USC
110 BASIC CONVERSATIONAL ARMENIAN I
3 Units
Armenian 110 is an introduction to Armenian with emphasis on developing essential skills in communication. The verbal active method is used, stressing oral expression. The course develops a beginning knowledge of reading and writing in Armenian, and also introduces the student to Armenian culture. Lecture 3 hours. **Prerequisite**: None. **Note**: Not open to students who have oral proficiency or who have attended schools where Armenian was the language of instruction. This course may not be taken for credit by students who have completed Armenian 115 and/or Armenian 116. This course may be taken 2 times; a maximum of 6 units may be earned.

111 BASIC CONVERSATIONAL ARMENIAN II
3 Units
Armenian 111 continues the improvement of communication skills acquired in Armenian 110. It further develops language skills, including the reading and comprehension of simple texts; gives a broader idea of the structure of the language; and attempts to generate interest in the Armenian culture and further study. Lecture 3 hours. **Prerequisite**: Armenian 110 or equivalent. **Note**: This course may be taken 2 times; a maximum of 6 units may be earned.

115 ARMENIAN FOR THE ARMENIAN SPEAKING I
5 Units
Armenian 115 provides intensive training in oral and written Armenian for students who already have a familiarity with the language but little and/or no formal instruction in it. Thus, structure of the language, basic grammar, spelling rules, vocabulary, composition, and oral communication are included. Lecture 5 hours. **Prerequisite**: Fluency in Armenian. **Note**: This course may not be taken for credit by students who have completed Armenian 101 or 102. **Transfer credit**: CSU, UC, USC

116 ARMENIAN FOR THE ARMENIAN SPEAKING II
5 Units
Armenian 116 is a continuation of Armenian 115. Emphasis is on reading comprehension, composition, oral communication, spelling rules, intensive vocabulary, and a more advanced study of the structure of the language. Lecture 5 hours. **Prerequisite**: Armenian 115. **Transfer credit**: CSU, UC, USC

101 ART HISTORY
3 Units
**Survey of Art History I**
3 Units
Art 101 is a survey of architecture, painting, and sculpture from their origins in prehistoric times to early Gothic periods of western culture. Lecture 3 hours. **Prerequisite**: None. **Transfer credit**: CSU, UC, USC (CAN ART 2)

102 SURVEY OF ART HISTORY II
3 Units
Art 102 is a survey of architecture, painting, and sculpture from the Renaissance to modern times. Lecture 3 hours. **Prerequisite**: None. **Transfer credit**: CSU, UC, USC (CAN ART 4)

103 ANCIENT ART
3 Units
Art 103 is a survey of the architecture, painting and sculpture from their origins in prehistoric time through their development in ancient Egypt and Mesopotamia. The impact of these works on today's art is also considered. Lecture 3 hours. **Recommended preparation**: Art 101. **Transfer credit**: CSU, UC, USC

104 GREEK AND ROMAN ART
3 Units
Art 104 provides an in-depth study of the architecture, painting, and sculpture of ancient Greece and Rome. The influence of the philosophy and politics of the period is considered. The student examines the impact of the culture, styles, and art forms of the Classical World upon the Twentieth Century. Lecture 3 hours. **Recommended preparation**: Art 101. **Transfer credit**: CSU, UC, USC

105 MEDIEVAL ART
3 Units
Art 105 is a survey of the architecture, painting, and sculpture of the period between ancient Rome and the Renaissance. It introduces the student to the philosophical ideas, economic trends, and political events that produced the art of the period. Lecture 3 hours. **Recommended preparation**: Art 101. **Transfer credit**: CSU, UC, USC

106 RENAISSANCE/BAROQUE ART
3 Units
Art 106 is a survey of the art, sculpture, architecture, religious ideas, economic trends, and politics that reflect the life of the fourteenth through eighteenth century Europe and their effect on our time. Lecture 3 hours. **Recommended preparation**: Art 102. **Transfer credit**: CSU, UC, USC

107 MODERN ART
3 Units
Art 107 is a survey of the growth of Nineteenth and Twentieth Century trends in painting, sculpture, and architecture in Europe and the United States. It explores the relationship between contemporary art and our historical and social values. Lecture 3 hours. **Recommended preparation**: Art 102. **Transfer credit**: CSU, UC, USC

108 ART OF THE EASTERN WORLD I
3 Units
Art 108 is a survey of the sculpture, painting, and architecture of India, China, Japan, Korea, and Persia from prehistoric times to 1200 A.D. It includes an introduction to the religious, philosophical, social and political ideas which influenced the art of these regions and times. Lecture 3 hours. **Prerequisite**: None. **Transfer credit**: CSU, UC, USC

109 ART OF THE EASTERN WORLD II
3 Units
Art 109 is a survey of the sculpture, painting, and architecture of India, China, Southeast Asia, Japan, and the Islamic expansion in the Near East and Spain. The philosophical, social, and political ideas that produced Oriental art from 1200-1550 are considered. Lecture 3 hours. **Prerequisite**: None. **Transfer credit**: CSU, UC, USC

110 ART/MUSIC APPRECIATION (Also listed as Music 110)
3 Units
Art 110 is a team-taught course which provides a comparative historical overview of western art and music from the prehistoric era to the present. This introductory course presents influential figures in each period and analyzes important influences on their work. The relationship between music and art is explored, along with changing trends in thought and techniques. Lecture 3 hours. **Prerequisite**: None. **Note**: This course may not be taken for credit by students who have completed Music 110. **Transfer credit**: CSU, UC, USC
112 PRECOLUMBIAN ART OF THE AMERICAS (Formerly Art of the Americas I Before 1600) 3 Units
Art 112 is a study of the arts of Precolombian Mesoamerica and Andean South America. Major monuments of sculpture, architecture, ceramics, and textiles from civilizations including the Maya, Aztec, and Inca are examined in their cultural contexts. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

113 ART OF THE AMERICAS (1600 to the Present) 3 Units
Art 113 is the study of the art of the United States, Canadian, Mexican, South American cultures and their European origins. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

116 PRIMITIVE ART 3 Units
Art 116 is an introduction to the art of primitive Africa, Australia, New Guinea and North America. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

118 WOMEN IN VISUAL ARTS 3 Units
Art 118 is an introduction to the history of women as artists in European and American traditions. Women's roles in non-Western cultures are also discussed as well as images of women in art. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

120 HISTORY OF ARCHITECTURE I 3 Units
Art 120 is a survey course of architectural styles from their origin in prehistoric times to the Gothic period. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

121 HISTORY OF ARCHITECTURE II 3 Units
Art 121 is a survey course of architectural styles from the Renaissance to the present. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

124 SOUTHERN CALIFORNIA ART MUSEUMS 1 Unit
Art 124 is an introduction to the history of art museums, specifically the Southern California Art Museums. The course covers collections, current exhibitions, conservation of artifacts and administrative functions. There are guided visits to: The J. Paul Getty Museum's Greek and Roman art collection as well as research, conservation and administration departments; The Huntington Library and Art Museum's educational setting for and collection of Eighteenth Century English art; The Norton Simon Collection; and The Los Angeles County Museum of Art's major current exhibit. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU

125 HISTORY OF MOTION PICTURES 3 Units
Art 125 is the historical and aesthetic introduction to the appreciation of motion pictures through the analysis of audio and visual techniques which can make the film an expressive means of communication. Selected motion pictures are screened. Lecture 3 hours. Prerequisite: None. Note: Each week students will be required to see one film chosen from the instructor's list of pertinent films available on television and in local theaters. Transfer credit: CSU, UC, USC

130 DESIGN I 3 Units
Art 130 is an introduction to the structure of two-dimensional art. This course provides fundamental understanding and control of the elements of design and the principles by which they can be related to solving design problems. The course is basic for art students and is helpful to students in related fields. Lecture 2 hours, studio 2 hours. Prerequisite: None. Note: Students receiving a score of 4 or 5 on the Advanced Placement Examination (CEEB) in Studio Art may be given credit for Art 130 and Art 150 at Glendale Community College contingent upon approval of their portfolio by the art faculty. Transfer credit: CSU, UC, USC

131 DESIGN II 3 Units
Art 131 is advanced study in two-dimensional art structure. The study is developed in a series of problems. Some problems concentrate on advanced color study; some on space manipulation, some on understanding (through practice) the current concepts at work in the fine and decorative art fields. Whenever possible problems reflect directions dominating the current art scene. Lecture 2 hours, studio 2 hours. Prerequisite: Art 130. Transfer credit: CSU, UC, USC

132 TYPOGRAPHY I (Formerly Lettering) 3 Units
Art 132 is an introduction to basic composition and principles of typography. The course includes a survey of type from its origins to current technology and an introduction to typographic nomenclature and type specification. Using hand skills and the Macintosh computer, projects focus on typographic design, resonance and composition. Students develop skills regarding visually interesting letter forms and their uses in typographic design. Critiques of final art projects focus on appropriate solutions, visual interest, and craftsmanship. Lecture 2 hours, studio 4 hours. Prerequisite: Art 130. Transfer credit: CSU

134 GRAPHIC DESIGN I (Formerly Advertising Design I) 3 Units
Art 134 is an introduction to the art of visual communication. Through a series of projects, the course introduces students to the fundamentals of design, problem solving strategies, and historical and practical aspects of graphic design. Using the Macintosh computer and traditional design materials and processes, students develop both hand and computer skills. Students are introduced to the use of current software applications and local service bureaus for the final production of assigned projects. During class critiques of final art projects, the verbal and visual presentation skills necessary to communicate with future clients are introduced. Critiques focus on appropriate solutions, visual interest and craftsmanship. Lecture 2 hours, studio 4 hours. Prerequisite: Art 132. (Art 132 may be taken concurrently.) Transfer credit: CSU
135
GRAPHIC DESIGN II
(Formerly Advertising Design II)
3 Units

Art 135 provides the creative and analytical methods used to create appropriate and visually interesting graphic designs. Course projects explore alternative methods for creating design imagery. Macintosh computer skills are further developed using current software applications. During class critiques of final art projects, the verbal and visual presentation skills necessary to communicate with future clients are further developed. Lecture 2 hours, studio 4 hours. Prerequisite: Art 134. Transfer credit: CSU

136
GRAPHIC DESIGN III
(Formerly Advanced Advertising Design I)
3 Units

Art 136 is an advanced design course. Students develop complex graphic identities, logos and publication structures. Students experiment with two dimensional graphics on three dimensional forms. Visual and verbal skills are studied to instruct students in the professional skills needed in creative design presentations. Students develop computer skills by using current software applications. Class critiques of final art projects focus on appropriate solutions, visual interest, and craftsmanship. Lecture 2 hours, studio 4 hours. Prerequisite: Art 135. Transfer credit: CSU

137
GRAPHIC DESIGN IV
(Formerly Advanced Advertising Design II)
3 Units

Art 137 includes extensive study of visual communication and graphic identities. Course projects provide in-depth investigation of problem solving strategies and design fundamentals used in the creative process of design. Through the development and synthesis of concept, image, and text, students begin to formulate a personal language to express a personal vision. Multifaceted projects continue the students' development of problem solving and project management skills. The most appropriate computer software, hand tools, and techniques are used to produce portfolio quality designs. During class critiques of final art projects the verbal and visual presentation skills needed to communicate with future clients are emphasized. Critiques focus on appropriate solutions, visual interest, and craftsmanship. Lecture 2 hours, studio 4 hours. Prerequisite: Art 136. Recommended preparation: Photography 121 or Computer Science/Information Systems 126. Note: This course may be taken 4 times; a maximum of 12 units may be earned. Transfer credit: CSU

138
THREE-DIMENSIONAL DESIGN
3 Units

Art 138 offers the study of space and form relationships expressed three dimensionally in line, plane, volume, texture and color, and the interaction of these basic design elements. Experiences are provided in various materials appropriate to three dimensional considerations with emphasis on design concepts and mastery of technical skills. This course is required for art majors and recommended for students of graphic and industrial design, architecture, interior and environmental design, stage design, and related fields. Lecture 2 hours, studio 2 hours. Recommended preparation: Art 130. Transfer credit: CSU, UC, USC

140
PASTE-UP AND LAYOUT
1 Unit

Art 140 presents the methods and techniques of paste-up and layout. The course develops the ability to layout various media for the graphics and desk top publishing industry. This includes flyers, brochures, newsprint and technical illustrations. Students design and use photo layouts, discovering the principles of color separations, and learn the techniques that develop professional paste-up skills for employment in business or industry. Lecture 2 hours, laboratory 2 hours. (9 week class) Recommended preparation: Art 130 or 134. Note: This course may be taken 3 times; a maximum of 3 units may be earned. This course may not be taken for credit by students who have completed Technical Graphics 178.

141
INTERIOR DESIGN
(Also listed as Architecture 141)
3 Units

Art 141 begins with the study of the floor plan and architectural background and moves through the selection and arrangement of furniture, floor, and window treatments, lighting, and accessory planning. Emphasis is placed on the use of design elements such as color, line, shape, texture, pattern, space, and their interaction with one another in the interior environment. Lecture 3 hours. Recommended preparation: Art 130. Note: This course may not be taken for credit by students who have completed Architecture 141. Transfer credit: CSU

144
COLOR THEORY AND APPLICATION
3 Units

Art 144 is an introductory course in color theory and application designed to meet the needs of art/non-art majors and minors in related fields of study such as: drama, music, production, apparel design, architecture, interior design, set design, lighting, fabric design, advertising and poster art. This course also deals with the nature and properties of color, its expressive potential and symbolic qualities. Lecture 2 hours, laboratory 2 hours. Recommended preparation: Art 130. Transfer credit: CSU
146 VISUAL LITERACY 3 Units

Art 146 is an introduction to the creative problem solving process. This course provides students with a fundamental understanding of strategies for achieving creative and innovative solutions which emphasize personal interpretation and expression. Students analyze various modes of problem solving, image generation, and image combination to select the appropriate mode for creating visual imagery. Projects introduce the use of metaphor, cliche, symbol, art history, and signifiers in art conceptualization. Lecture 2 hours, studio 4 hours. Recommended preparation: Art 130. Transfer credit: CSU.

DRAWING

150 DRAWING I 3 Units

Art 150 is a basic drawing course dealing with the fundamentals of pictorial organization. The various means of representing the three-dimensional aspects of forms on a flat surface are emphasized. Drawings for this course are normally size 18" x 24" unless otherwise specified for special projects. Lecture 2 hours, studio 2 hours. Recommended preparation: Art 130. Note: Students receiving a score of 4 or 5 on the Advanced Placement Examination (CEEB) in Studio Art may be given credit for Art 130 or 150 at Glendale Community College contingent upon approval of their portfolio by the art faculty. Transfer credit: CSU, UC, USC (CAN ART 8)

151 DRAWING II 3 Units

Art 151 is a second semester drawing course designed to enable students to further their abilities in drawing forms in depth, composition, and various drawing techniques. Lecture 2 hours, studio 2 hours. Prerequisite: Art 150. Transfer credit: CSU, UC, USC

152 LIFE DRAWING I 3 Units

Art 152 is a beginning course in drawing the figure from life. Quick drawings, as well as progressively longer drawings are done to explore the relationship of movement to form. Emphasis is placed on personal expression and interpretation as well as on proportion and structure. Special studies in artistic anatomy are also developed. This course is recommended for all art majors. Lecture 2 hours, studio 2 hours. Prerequisite: Art 150. (Art 150 may be taken concurrently.) Recommended preparation: Art 130. Transfer credit: CSU, UC, USC.

153 LIFE DRAWING II 3 Units

Art 153 is the continuation of basic studies in drawing the figure from life. Further emphasis and attention is given to arrangement and compositional studies incorporating the figure. Expressive use of media for drawing the figure is explored. Lecture 2 hours, studio 2 hours. Prerequisite: Art 152. Transfer credit: CSU, UC, USC

154 ADVANCED LIFE DRAWING I 3 Units

Art 154 is the continuation of basic studies in drawing the figure from life. Emphasis is placed on using the figure in compositions. Creative use of the figure is stressed. Drawings should extend beyond "studies" and become personal statements. Increases emotional expression in drawings. Students may do one or more problems in three dimensions. Lecture 2 hours, studio 2 hours. Prerequisite: Art 153. Transfer credit: CSU, UC, USC

155 ADVANCED LIFE DRAWING II 3 Units

Art 155 is the continuation of basic studies in drawing the figure from life. Figure compositions are stressed. Students are encouraged to use the figure in creative and expressive drawings. A major project is required; this may follow an avenue of individual interest. Lecture 2 hours, studio 2 hours. Prerequisite: Art 154. Transfer credit: CSU, UC, USC

156 ILLUSTRATION I 3 Units

Art 156 is designed to acquaint the student with various types of illustration such as book, movie poster, editorial, spot, and magazine story. Emphasis is placed on learning a number of specific techniques which enable the student to work quickly while achieving a professional look. A variety of media is explored. The focus of this course is fine arts rather than technical or product illustration. Lecture 2 hours, studio 2 hours. Prerequisite: Art 130, 150, 151. (Art 151 may be taken concurrently.) Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

157 PORTFOLIO PREPARATION 3 Units

Art 157 is designed to help art majors with preparation of a professional level portfolio or "book" to be used for application to an upper division art school or for employment interviews. Students develop and sharpen their interview skills and learn how to produce an effective resume. Lecture 2 hours, studio 2 hours. Prerequisite: None. Transfer credit: CSU

158 LIFE DRAWING LABORATORY 1 Unit

NON-DEGREE APPLICABLE

Art 158 enables life drawing students to have additional supervised life drawing studio time, and to increase their technical drawing and design skills relative to concurrent enrollment in a life drawing course. Studio 4 hours. Corequisite: Enrollment in one of the following: Art 152, 153, 154, or 155. Note: This course may be taken 4 times; a maximum of 4 units may be earned.

PAINTING

160 PAINTING I 3 Units

Art 160 develops skill, technique, and composition in drawing and painting, using media such as oils and acrylics. Problems include representation and abstraction. Lecture 2 hours, studio 2 hours. Prerequisite: Art 150. (Art 150 may be taken concurrently.) Recommended preparation: Art 130. Transfer credit: CSU, UC, USC (CAN ART 10)
161 PAINTING II
3 Units
Art 161 is the application of principles, theories and techniques of drawing and painting to problems of still life, figure, landscape, and non-objective painting. Lecture 2 hours, studio 2 hours. *Prerequisite:* Art 160. *Transfer credit:* CSU, UC, USC

162 ADVANCED PAINTING I
3 Units
Art 162 applies the principles of art in drawing and painting for the more advanced student. Contemporary concepts in painting are explored. Individual assignments are given which emphasize personal interpretation and expression. Lecture 2 hours, studio 2 hours. *Prerequisite:* Art 161. *Recommended preparation:* Art 151. *Transfer credit:* CSU, UC, USC

163 ADVANCED PAINTING II
3 Units
Art 163 is a continuation of Art 162. Special problems are assigned to the student on an individual basis. Painting problems may include figure painting and the figure in relation to architectural forms. The student is encouraged to work from imagination as well as from direct visual experience. Field trips to museums and galleries are included in the course of instruction. Lecture 2 hours, studio 2 hours. *Prerequisite:* Art 162. *Transfer credit:* CSU, UC, USC

164 WATER COLOR I
3 Units
Art 164 is a study of the water color medium and techniques. The problems of painting are directed with a regard for the special qualities of water color. Class problems include various approaches to landscape painting, still life, and figure painting. Other problems emphasizing abstraction and non-objective painting are explored. Outdoor painting trips are used to help gain experience and skill in landscape painting. Lecture 2 hours, studio 2 hours. *Prerequisite:* Art 150. (Art 150 may be taken concurrently.) *Recommended preparation:* Art 130. *Note:* This course may be taken 2 times; a maximum of 6 units may be earned. *Transfer credit:* CSU, UC, USC

165 WATER COLOR II
3 Units
Art 165 is a continuation of the study of water color painting for the more advanced student. The application of general principles and theories of painting in reference to the special qualities of the water color medium is expanded. Class problems include experimentation of a variety of techniques and stylistic approaches. Individual interpretation and expression are encouraged. Lecture 2 hours, studio 2 hours. *Prerequisite:* Art 164. *Note:* This course may be taken 2 times; a maximum of 6 units may be earned. *Transfer credit:* CSU, UC, USC

167 PRINTMAKING
3 Units
Art 167 is an introduction to various printing processes including linoleum cuts, woodcuts, engraving, drypoint, etching, and aquatint. Creative personal approaches to printmaking are encouraged. Technical and expressive qualities of the various media are explored. Lecture 2 hours, studio 2 hours. *Prerequisite:* Art 130 or 150. *Note:* This course may be taken 2 times; a maximum of 6 units may be earned. *Transfer credit:* CSU, UC, USC

170 PRINTMAKING I
3 Units
Art 170 is an introduction to various printing processes including linoleum cuts, woodcuts, engraving, drypoint, etching, and aquatint. Creative personal approaches to printmaking are encouraged. Technical and expressive qualities of the various media are explored. Lecture 2 hours, studio 2 hours. *Prerequisite:* Art 130 or 150. *Note:* This course may be taken 2 times; a maximum of 6 units may be earned. *Transfer credit:* CSU, UC, USC

171 PRINTMAKING II
3 Units
Art 171 explores various approaches and techniques of intaglio printing with special emphasis on color printing. Lecture 2 hours, studio 2 hours. *Prerequisite:* Art 170. *Note:* This course may be taken 2 times; a maximum of 6 units may be earned. *Transfer credit:* CSU, UC, USC

172 LITHOGRAPHY I
3 Units
Art 172 is an introduction to the techniques and methods of lithography using metal plates as well as stone. This first semester course in lithography deals primarily with black and white as the graphic foundation for lithography. The student is encouraged to explore the creative possibilities of the medium and its wide variety of expressive qualities. Lecture 2 hours, studio 2 hours. *Prerequisite:* Art 171 or equivalent. *Note:* This course may be taken 2 times; a maximum of 6 units may be earned. *Transfer credit:* CSU, UC, USC

173 LITHOGRAPHY II
3 Units
Art 173 explores various approaches to color printing involving multiple plates as well as stones. Lecture 2 hours, studio 2 hours. *Prerequisite:* Art 172 or equivalent. *Note:* This course may be taken 2 times; a maximum of 6 units may be earned. *Transfer credit:* CSU, UC, USC

174 SILK SCREEN PRINTING
3 Units
Art 174 is an introduction to silk screen printing. The course includes preparation of equipment, various methods of stencil preparation, printing on paper and cloth and printing with a variety of paints and dyes. The first two or three problems are designed for all beginning students. The following projects provide options for choice. Students may choose an option that relates to their personal interest and career plans. The range of these optional project choices includes fine arts, graphic arts, decorative arts, and artist craftsman type projects. In the second semester, students are encouraged to do more challenging projects. Each new project provides a gain in the student's command of screen printing techniques. Individual interests are used to personalize the instruction to the maximum. Lecture 2 hours, studio 2 hours. *Recommended preparation:* Art 130. *Note:* This course may be taken 2 times; a maximum of 6 units may be earned. *Transfer credit:* CSU, UC, USC

175 SILK SCREEN PRINTING
3 Units
Art 175 is an advanced study of silk screen printing. The course includes preparation of specialized equipment and research and experimentation to encourage creative use of the medium. Challenging problems are selected which relate to the personal interests of each student. Lecture 2 hours, studio 2 hours. *Prerequisite:* Art 174. *Note:* This course may be taken 2 times; a maximum of 6 units may be earned. *Transfer credit:* CSU, UC, USC
177
AIR BRUSH I
1 Unit
Art 177 is designed to develop the ability of the student to use the ingredients, meth-
ods, and techniques of air brush from start to finish. Though the course does not re-
quire skilled art application, it deals with the fundamentals of design, layout, lines, dots,
shading, black and white water color, types of frieze, and paper. Students have the
opportunity to use two types of air brushes and to learn about other available types.
Lecture 1 hour, laboratory 3 hours. (9 week
class) Recommended preparation: Art 130
and 150 or 134. Note: This course may be
taken 3 times; a maximum of 3 units may be
earned.

178
AIR BRUSH II
1 Unit
Art 178 teaches the advanced operation and use of the air brush. The course intro-
duces color into the designs and uses the basic knowledge obtained in Art 177. Stu-
dents develop the skills of blending and selecting color, creating texture, and focusing
on creative design to achieve the desired results. Lecture 1 hour, laboratory
3 hours. (9 week class) Recommended preparation: Art 177. Note: This course may be
taken 3 times; a maximum of 3 units may be
earned.

SCULPTURE

180
SCULPTURE I
3 Units
Art 180 is a series of sculptural problems in relief and in the round, which leads the
student through exploratory investigations of various media and techniques, such as
clay modeling, plaster, and stone carving, construction and assemblage. Emphasis is
on problems of historical and contempo-
rary interest and importance. This course is recommended for art majors and pre-
dental, industrial design, and stage design
students. Lecture 2 hours, studio 2 hours.
Recommended preparation: Art 130 and
138. Note: This course may be taken 2
times; a maximum of 6 units may be earned.
Transfer credit: CSU, UC, USC (CAN ART
12)

181
SCULPTURE II
3 Units
Art 181 allows the student to continue expor-
tations into the sculptural discipline. A
series of sculptural problems, including
modeling the complete figure in clay, build-
ing three-dimensional forms with plaster
and wire armature, carving in hard stone
such as alabaster, carving in wood, con-
struction and assemblage, and mixed me-
dia are studied in depth. Emphasis is on
mastery of technique, further development
of aesthetic and conceptual consideration,
and self-motivation. The instructor works
with each student on an individual basis to
provide technical and conceptual assis-
tance. Lecture 2 hours, studio 2 hours.
Prerequisite: Art 180 Note: This course may be
taken 2 times; a maximum of 6 units
may be earned. Transfer credit: CSU, UC,
USC

282
METHODS AND MATERIALS FOR
THE SCULPTOR
3 Units
Art 282 explores a variety of methods and
materials available to the artist today, in-
cluding techniques for working in wood,
plastic, and metal. The students continue
to improve their understanding of construc-
tive processes, and learn safety in the sculp-
ture laboratory. Lecture 2 hours, studio
2 hours. Recommended preparation: Art
138 or 180. Note: This course may be taken
2 times; a maximum of 6 units may be earned.

283
FIGURE MODELING
3 Units
Art 283 develops an understanding of mea-
surement, proportion, movement, geometric
shape, and the basic form of the human
body through observation of live models.
Students explore their expressive sculptural
sensibilities using clay as the primary
medium. Lecture 2 hours, studio 2 hours.
Recommended preparation: Art 138, 180
or equivalent. Note: This course may be
taken 2 times; a maximum of 6 units may be earned.

284
MOLD MAKING FOR THE
SCULPTURE
3 Units
Art 284 explores a variety of mold making
techniques, and experiments with a variety
of casting materials. While the concentra-
tion in this class is on technical processes,
students acquire these skills in order to
expand and enhance their options for ex-
pressive sculpture. Lecture 2 hours, stu-
dio 2 hours. Recommended preparation:
Art 138 or 180. Note: This course may be
taken 2 times; a maximum of 6 units may be earned.

285
SCULPTURE LAB
1 Unit
NON-DEGREE APPLICABLE
Art 285 enables sculpture students to have
additional supervised studio time, and to
increase their laboratory skills relative to
concurrent enrollment in sculpture classes.
Studio 4 hours. Prerequisite: None. Co-
requisite: Students enrolled in this course
must be concurrently enrolled in Art 138,
180, 181, 282, 293, or 284. Note: This
course may be taken 4 times; a maximum
of 4 units may be earned.

CERAMICS

186
CERAMICS
3 Units
Art 186 is an introductory study in the field
of ceramics. Students learn various form-
techniques, with an emphasis on wheel-
throwing and the production of functional
pottery forms. Surface techniques such as
texturing, underglazing, slip decoration,
glaze application, and the use of lusters are
explored. Lecture 2 hours, studio 4 hours.
Prerequisite: None. Transfer credit: CSU,
UC, USC

187
CERAMICS
3 Units
Art 187 is a continued study of the funda-
mentals of the ceramic process that ex-
plores various slab construction and wheel-
throwing techniques. Wheel-throwing skills
are sharpened by concentrated exercises
to increase the size, speed, and production
quality. Students select and formulate
grazes of their own choice, and the firing
process is studied in greater detail. Lecture
2 hours, studio 4 hours. Prerequisite: Art
186. Transfer credit: CSU, UC, USC
188 ADVANCED CERAMICS I
3 Units
Art 188 emphasizes advanced work on the potter’s wheel with consistency and accuracy of results. The awareness of three-dimensional forms and surface pattern is heightened by individual and group critiques. The students work toward a more individual statement by further experimentation with a variety of clay bodies, glazes, and firing techniques. They design and execute multiples and sets. Under supervision the students assist in loading and firing of kilns. Lecture 2 hours, studio 4 hours. 
Prerequisite: Art 187. Transfer credit: CSU, UC, USC

189 ADVANCED CERAMICS II
3 Units
Art 189 is a course designed for the advanced student who wishes to pursue an individual direction in depth. Students propose a semester outline, concentrating on specific techniques, materials, and firing procedures. Upon instructor approval of the proposal, students are expected to work independently, formulating personal clay bodies, glazes and working techniques. Reading and research assignments are made where applicable. Lecture 2 hours, studio 4 hours. 
Prerequisite: Art 189. Note: This course may be taken 3 times; a maximum of 9 units may be earned. Transfer credit: CSU, UC, USC

190 CERAMIC HANDBUILDING
3 Units
Art 190 is an introduction to basic ceramic hand-building techniques and processes. Traditional methods of forming, joining and construction are introduced. Students learn to design and analyze functional and non-functional objects. The class explores traditional hand-built pottery, as well as contemporary, expressive hand-built forms. Lecture 2 hours, studio 4 hours. 
Prerequisite: None. Transfer credit: CSU, UC, USC

191 ADVANCED CERAMIC HANDBUILDING
3 Units
Art 191 allows students to explore complex problems of design and construction. They work with the ceramic medium in conjunction with other materials while exploring possibilities of designing for architecture. In-depth studies of surface design and decorative techniques are included. Lecture 1 hour, studio 5 hours. 
Prerequisite: Art 190. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU, UC, USC

192 EARTHENWARE
3 Units
Art 192 is an intermediate course in ceramics dealing specifically with earthenware, or low-fired ceramics. A variety of forming techniques are studied, including slab, coil, and wheel. Students experiment with earthenware, clay bodies, glazes, underglazes, and slips. Specific projects will include nerikomi (colored clay inlay), majolica (onglaze painting), and overglaze (lustres, china paints, and decals). Students learn how to load and fire an electric kiln. Lecture 2 hours, studio 4 hours. 
Prerequisite: Art 186 or 190. Recommended preparation: Art 130. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU, UC, USC

193 RAKU
3 Units
Art 193 is an introductory course in ceramics dealing exclusively with the raku firing process. Projects are drawn from a variety of forming methods including coil, slab, pinch, and wheel, which are fired by the Japanese raku process. Students also prepare raku clays and glazes to use in the execution of their projects. Lecture 2 hours, studio 4 hours. 
Prerequisite: Art 186 or 190. Recommended preparation: Art 130. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: UC, USC

195 GLAZE CALCULATION
3 Units
Art 195 is an introduction to basic glaze and clay calculation. The students learn to calculate molecular weights, empirical formula, unity formula, and batch formula. Students use general glaze theory with calculating procedures to analyze and substitute (or create from beginning) glazes and clay bodies. The course involves simple arithmetical computations and includes certain ceramic laboratory skills and safety precautions for handling chemicals. This course prepares the vocational student for employment in the ceramic industry. Lecture 2 hours, studio 4 hours. 
Prerequisite: Art 187 or 191. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

201 DRAWING FOR ANIMATION
3 Units
Art 201 provides students drawing instruction pertinent to the field of animation. The course focuses on the creation of drawings depicting inner structure, weight, energy, movement, personality and emotion. Subjects relevant to animation including people, animals and expression are thoroughly explored. Drawing from life is important to the development of excellent rendering skills. A high volume of drawings are completed in class and students are required to keep a journal of drawings recorded from daily observation. Lecture 2 hours, studio 2 hours. 
Prerequisite: Art 152 or equivalent. Recommended preparation: Art 130. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

205 FUNDAMENTALS OF ANIMATION I
3 Units
Art 205 provides students a traditional education in the fundamentals of animation. Students learn basic animation techniques and explore the use of those techniques in contemporary animated art. Effective composition and the use of color in motion are introduced. Lecture 2 hours, studio 2 hours. 
Prerequisite: Art 201 or equivalent. Recommended preparation: Art 130. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

206 FUNDAMENTALS OF ANIMATION II
3 Units
Art 206 provides students the opportunity to build upon their previous knowledge of animation concepts and techniques. Students learn the procedure involved in bringing a creative idea from concept to final product. The focus of the semester is the creation of an animated short film. Lecture 2 hours, studio 2 hours. 
Prerequisite: Art 205 or equivalent. Recommended preparation: Art 130. Note: This course may be taken 4 times; a maximum of 12 units may be earned.
210 ANIMATION STORYBOARDS
3 Units
Art 210 prepares students to analyze scripts and represent a story visually for film or videotape. Issues of basic story structure, character development, staging, continuity, clarity, and appeal in visual design are examined. Students focus on translating written text into a storyboard with an emphasis on maintaining story flow and using camera angles and movement. Lecture 2 hours, studio 2 hours. Prerequisite: Art 201 or equivalent. Recommended preparation: Art 130, 205, 206, English 115 or 116, and Theatre Arts 103. Note: This course may be taken 4 times; a maximum of 12 units may be earned.

218 INTERACTIVE MULTIMEDIA AUTHORING
(Also listed as Computer Science/Information Systems 218 and Television 218)
3 Units
Art 218 provides students with training and experience in creating interactive multimedia programs. Current industry standard software applications are employed. Primary emphasis is placed on the authoring process. Topics include Lingo scripting, interface design, navigational principles, cross-platform development, integration of audio, video, animated and virtual reality (VR) elements, and distribution for CD-ROM, DVD, and the Internet. Students create their own multimedia CD-ROM as a final project. Lecture 2 hours, studio 4 hours. Prerequisite: Television 111 or Computer Science/Information Systems 111. Recommended preparation: Art 146, 220, and Television 101. Note: This course may not be taken for credit by students who have completed Computer Science/Information Systems 218 or Television 218.

220 TWO DIMENSIONAL DIGITAL ANIMATION
3 Units
Art 220, a Macintosh course, introduces various two dimensional animation techniques and styles using current software applications. The course focuses on creating two dimensional digital animation with photos, video, or flat art, by using storyboarding concepts, digitizing images for the computer, and digitally manipulating motion, timing, framing, sequencing, and sound. Concept development and effective use of composition, color and motion, are emphasized throughout the course. Lecture 2 hours, studio 4 hours. Prerequisite: Photography 122, or equivalent. Recommended preparation: Art 205, 210, and Photography 112 or Theatre Arts 134. Note: This course may be taken 4 times; a maximum of 12 units may be earned. Transfer credit: CSU

230 THREE DIMENSIONAL DIGITAL MODELING
3 Units
Art 230 is a three dimensional modeling and special effects course. Various three dimensional modeling techniques are explored to create objects and environments for graphics, multimedia, and animation. Surfaces, textures, lighting, and camera angles and effects are created and incorporated with models. Concept development and effective use of composition, form, space, color, texture, and lighting are emphasized throughout the course. Lecture 2 hours, studio 4 hours. Prerequisite: Art 138, and Photography 122, or equivalents. Recommended preparation: Art 205, and Photography 112 or Theatre Arts 134. Note: This course may be taken 4 times; a maximum of 12 units may be earned. Transfer credit: CSU

232 THREE DIMENSIONAL DIGITAL ANIMATION
3 Units
Art 232 is a digital course focusing on three dimensional animation and special effects. Students address software, spline and polygonal modeling features, texture mapping, camera and lighting capabilities, animation with spline-based paths and automatic keyframes, and digital transitions. Concept development and effective use of composition, color, and motion are emphasized throughout the course. Lecture 2 hours, studio 4 hours. Prerequisite: Art 220 and 230, or equivalents. Recommended preparation: Art 210, 283, and Photography 112 or Theatre Arts 134. Note: This course may be taken 4 times; a maximum of 12 units may be earned. Transfer credit: CSU

INTERIOR DESIGN,
See Art 141
FASHION ILLUSTRATION,
See Fashion Design Merchandising 123
See also PHOTOGRAPHY

ASTRONOMY

101 ELEMENTS OF ASTRONOMY
3 Units
Astronomy 101 is a survey of current knowledge regarding the physical universe, presented in non-technical language. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

102 OBSERVATIONAL ASTRONOMY
2 Units
Astronomy 102 maps the sky by means of bright stars and constellations. Small telescopes are used for observing celestial objects. Lecture 1 hour, laboratory 3 hours. Prerequisite: Astronomy 101 or 110 or 120. Transfer credit: CSU, UC, USC

103 TOPICS IN MODERN ASTRONOMY
3 Units
Astronomy 103 is designed for students who have completed a survey course in astronomy. This course deals with recent developments in astronomy. Specific topics covered are exploration of the solar system with spacecraft, general relativity and black holes, active galaxies and cosmology. Lecture 3 hours. Prerequisite: Astronomy 101. Transfer credit: CSU, UC, USC
110 ASTRONOMY OF THE SOLAR SYSTEM
3 Units
Astronomy 110 is a survey of the methods astronomers use and the findings they have made in their studies of the planets, satellites, asteroids, comets and other objects that make up the solar system. Lecture 3 hours. Prerequisite: None. Note: This course may not be taken for credit by students who have completed Astronomy 101. Transfer credit: CSU, UC, USC

120 ASTRONOMY OF STARS AND GALAXIES
3 Units
Astronomy 120 is a survey of the methods astronomers use and findings they have made in their studies of the stars and galaxies. Lecture 3 hours. Prerequisite: None. Note: This course may not be taken for credit by students who have completed Astronomy 101. Transfer credit: CSU, UC, USC

AVIATION AND TRANSPORTATION

Students enrolling in some Aviation and Transportation courses will be required to purchase certain tools and equipment to meet the requirements of those courses. Students wishing to obtain tool and equipment lists in advance of registration should contact the appropriate instructor or department chair. Prior to applying for the FAA Examination, students are required to submit the proper paper work to Admissions and Records to obtain the official certificate.

117 AVIATION INSTRUCTOR COURSE
3 Units
Aviation and Transportation 117 is a course of ground instruction designed for the student who wishes to become an aviation flight instructor. Teaching theory, and types and methods of instruction an effective instructor uses are discussed. Analysis and performance of flight maneuvers are stressed. Lecture 3 hours. Prerequisite: Aviation and Transportation 119 and 120 successful completion of the Private Pilot Written Examination or a Private Pilot Certificate.

119 PRACTICAL FLIGHT CONCEPTS
3 Units
Aviation and Transportation 119 is a ground training course designed for the student who is receiving flight training to gain experience necessary to meet the qualifications of a private pilot with an airplane rating. The course covers the practical flight concepts a pilot may encounter in most flight situations. Lecture 3 hours. Prerequisite: Aviation and Transportation 120 or successful completion of the Private Pilot Written Examination or a Private Pilot Certificate.

120 BASIC AERONAUTICS
5 Units
Aviation and Transportation 120 prepares the student for the Private Pilot Written Examination, and is taught under Federal Aviation Administration approved Private Pilot Ground School Certificate HH-185190Q. The course covers powerplant operations, radio procedures and radio navigation, meteorology, and enroute navigation procedures common to the private pilot. Lecture 5 hours. Prerequisite: None. Transfer credit: CSU

121 NAVIGATION
3 Units
Aviation and Transportation 121 introduces the student to the aspect of dead-reckoning and pilotage navigation using the aeronautical chart. Composite navigation and vector analysis using the flight computer familiarizes the student with the practical features of navigation. Lecture 3 hours. Recommended preparation: Aviation and Transportation 120 or possession of a private pilot’s certificate. Transfer credit: CSU

122 METEOROLOGY
3 Units
Aviation and Transportation 122 presents the basic principles of meteorology with emphasis placed on the physical laws that operate in the atmosphere, particularly as they affect aircraft flight. Weather maps, reports, and forecasts and their interpretation are stressed. Lecture 3 hours. Recommended preparation: Aviation and Transportation 120 or possession of a private pilot’s certificate. Transfer credit: CSU

123 AIRCRAFT STRUCTURE AND AERODYNAMICS
3 Units
Aviation and Transportation 123 provides the pilot with the necessary understanding of the aerodynamics of the aircraft and of the construction techniques and processes involved in the building of aircraft. This course meets the requirements for commercial pilots in the study of aircraft. Lecture 3 hours. Recommended preparation: Aviation and Transportation 120 or possession of a private pilot’s certificate. Transfer credit: CSU

124 RADIO PROCEDURES AND FLIGHT REGULATIONS
3 Units
Aviation and Transportation 124 is designed to provide the commercial pilot student with the necessary knowledge of radio navigation, radio-telephone communication procedures, and Federal Aviation Regulations required to pass the Federal Aviation Administration Commercial Pilot Written Examination. Lecture 3 hours. Recommended preparation: Aviation and Transportation 120 or possession of a private pilot’s certificate. Transfer credit: CSU

125 INSTRUMENT PROCEDURES AND RADIO NAVIGATION
3 Units
Aviation and Transportation 125 introduces the student to the use of radio navigation, weather briefing, advanced navigation, standard instrument approaches, procedures and Federal Aviation Regulations pertaining to instrument flight. Students are prepared for the Federal Aviation Administration Instrument Pilot Written Examination. Lecture 3 hours. Prerequisite: Aviation and Transportation 120 or successful completion of the Private Pilot Written Examination or a Private Pilot Certificate. Corequisite: Aviation and Transportation 131. Transfer credit: CSU

126 AIRCRAFT POWERPLANTS
3 Units
Aviation and Transportation 126 introduces the student to aircraft powerplants, their construction, operation, maintenance, and servicing as they apply to the pilot. This course meets the requirements of the Federal Aviation Administration for Commercial Pilots in the study of aircraft engines. Lecture 3 hours. Recommended preparation: Aviation and Transportation 120 or possession of a private pilot’s certificate. Transfer credit: CSU
127 FLIGHT TRAINING MANEUVERS
3 Units
Aviation and Transportation 127 presents in detail the procedures and methods for conducting the maneuvers required for the safe, skillful operation of the airplane. The performance and application of the various maneuvers required by the Federal Aviation Administration for the Private and Commercial Pilot Flight Tests are examined. Lecture 3 hours. Recommended preparation: Aviation and Transportation 120 or possession of a private pilot's certificate. Transfer credit: CSU

128 AIRPORT OPERATIONS
3 Units
Aviation and Transportation 128 is an analytical lecture course of study which acquaints the student with practical airport administration problems that exist today. Completion of this course enables the student to perform and function effectively in any of the many diversified airport operations.

Course coverage includes airport development, site selection, local advertising, financial considerations and benefits to the community. Aviation safety within the confines of the airport, airport maintenance, familiarization with the Federal Aviation Administration and Federal Air Regulations governing airports as well as the National Transportation Safety Board. Lecture 3 hours. Recommended preparation: Aviation and Transportation 120 and 130. Transfer credit: CSU

129 FLIGHT ATTENDANT I
3 Units
Aviation and Transportation 129 prepares men and women for the highly competitive flight attendant positions and travel careers in the airlines and travel industry. Lecture 3 hours. Recommended preparation: Aviation and Transportation 120. (Aviation and Transportation 120 may be taken concurrently.)

130 AIR TRANSPORTATION
3 Units
Aviation and Transportation 130 introduces the student to the development of air transportation, problems in commercial air transportation, commercial aircraft, organization and functions of the airlines, regulations, airline routes in the United States and the pilot qualifications, schedules and services, revenue sources and potential operating overhead. The importance of airports, airways, advertising, and public relations is stressed. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU

131 AIR TRAFFIC CONTROLLER
5 Units
Aviation and Transportation 131 prepares students for the Federal Aviation Administration Control Tower Operator Written Examination and assists them in the requirements necessary to apply for the position of air traffic control specialist, and is of value to those students preparing for the position of dispatcher, meteorologist, commercial pilot, and positions concerned with aircraft operations. Student and private pilots find this course informative; students preparing for their instrument rating receive much valuable information which assists them in preparing for the written examination and the flight check. Lecture 6 hours. Prerequisite: Aviation and Transportation 120 or successful completion of the Private Pilot Written Examination or a Private Pilot Certificate.

132 FLIGHT ATTENDANT II
3 Units
Aviation and Transportation 132 prepares men and women for the highly competitive flight attendant positions and travel careers in the airline and travel industry. Lecture 3 hours. Prerequisite: Aviation and Transportation 129. Recommended preparation: Aviation and Transportation 120. (Aviation and Transportation 120 may be taken concurrently.)

134 AMERICAN AVIATION TRAVEL HISTORY AND OPERATIONS
3 Units
Aviation and Transportation 134 introduces the students to aviation travel history and the manner in which related events have affected the nation socially, economically and politically. This study of aviation emphasizes the development, testing, and utilization of aircraft in California. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151.

136 AVIATION PSYCHOLOGY
3 Units
Aviation and Transportation 136 acquaints the professional pilot and flight attendant with an overview of aviation psychology. The influence of psychological factors on aviation safety, and the aviation professional's personal and occupational life is examined. Topics include human factors, human error, motivation and leadership, aviation stress management, group dynamics, attitudes and persuasion, stress management, training, accident analysis, passenger psychology, career development, training, flight physiology, self-assessment, family and relationship issues, communications, ethics in professional aviation, and applications in space technology. Lecture 3 hours. Prerequisite: None.

137 AIRLINE TRAVEL CAREERS
3 Units
Aviation and Transportation 137 is designed for students pursuing careers in airline travel. The course presents the current industry hiring qualifications and requirements for entry level industry employees. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151.

141 AIRCRAFT POWERPLANT MAINTENANCE AND OVERHAUL
8 Units
Aviation and Transportation 141 consists of theoretical study and practical application of powerplant overhaul procedures, nondestructive testing, precision inspection, cooling systems, exhaust systems, lubrication systems, and Federal Aviation Administration Regulations. The course content is based on standards required for Federal Aviation Administration certificated schools. Approved by Federal Aviation Administration Maintenance Technician School No. CL9T064R. Lecture 15 hours, laboratory 15 hours. Recommended preparation: English 177. Note: This class meets 6 hours per day, 5 days per week. The completion of Aviation and Transportation 141, 142, 143, and 144 qualifies students for industry employment as maintenance and overhaul technicians and prepares them practically and theoretically to successfully obtain the Federal Aviation Administration Powerplant Rating. Transfer credit: CSU
### Aircraft Powerplant Maintenance and Overhaul

**8 Units**

Aviation and Transportation 142 consists of practical application and theoretical study of electrical systems, magneto, generator, and starting systems. In addition, physical science and mathematics are studied as part of the Federal Aviation Administration General Test requirements. The course content is based on standards required for Federal Aviation Administration certificated schools. Approved Federal Aviation Administration Maintenance Technician School No. CL 9T064R. Lecture 15 hours, laboratory 15 hours. **Recommended preparation:** English 177. **Note:** This class meets 6 hours per day, 5 days per week. The completion of Aviation and Transportation 141, 142, 143, and 144 qualifies students for industry employment as maintenance and overhaul technicians and prepares them practically and theoretically to successfully obtain the Federal Aviation Administration Powerplant Rating. **Transfer credit:** CSU

### Airframe Maintenance and Overhaul

**7 Units**

Aviation and Transportation 144 consists of theoretical study and practical application of aircraft drawing, fabrication and installation of fluid lines and fittings, engine indicating systems, engine and airframe fire detection systems, aircraft weight and balance, aircraft welding, and maintenance forms and records. The course content is based on standards required for FAA certificated schools. Approved Federal Aviation Administration Maintenance Technician School No. CL 9T064R. Lecture 25 hours, laboratory 5 hours. **Prerequisite:** Aviation and Transportation 143. **Note:** This class meets 6 hours per day, 5 days per week for 8 weeks. The completion of Aviation and Transportation 141, 142, 143, 144 qualifies students for industry employment as maintenance technicians and prepares them practically and theoretically to successfully obtain the Federal Aviation Administration Powerplant Rating. **Transfer credit:** CSU

### Airframe Maintenance and Overhaul

**9 Units**

Aviation and Transportation 145 consists of theoretical study and practical application of structural repairs to aircraft including woodwork, riveting, layout practices and repairs to metal structures, hydraulic and pneumatic systems, landing gear systems and airframe anti-icing and de-icing systems. The course content is based on standards required for FAA certificated schools. Approved FAA Maintenance Technician School No. CL 9T064R. Lecture 10 hours, laboratory 20 hours. **Prerequisite:** Aviation and Transportation 144 or a Federal Aviation Administration Powerplant Mechanics Certificate. **Note:** This class meets 6 hours per day, 5 days per week for 10 weeks. The completion of Aviation and Transportation 145 and 146 qualifies students for industry employment as maintenance and overhaul technicians and prepares them practically and theoretically to successfully obtain the Federal Aviation Administration Airframe Rating. **Transfer credit:** CSU

### Helicopter Maintenance

**4 Units**

Aviation and Transportation 147 provides instruction in rotary wing aerodynamics, main rotors, tail rotors, transmission, and drive components. Field maintenance and servicing procedures are covered along with rotor system track and balancing. Lecture 4 hours, laboratory 2 hours. **Prerequisite:** Aviation and Transportation 143 or a powerplant or airframe license.

### Aircraft Structures

**4-8 Units**

Aviation and Transportation 150 is a course to prepare the student for employment in the aircraft industry in the area of structural construction and repair. Lecture 12 hours, laboratory 18 hours. **Prerequisite:** None.

### Inflight Travel Safety

**1 Unit**

Aviation and Transportation 151 surveys travel safety precautions and federal regulations pertaining to air travel. Course topics include passenger psychology, ground and inflight safety equipment, anti-terrorism and hijacking concerns. Lecture 1 hour. **Recommended preparation:** Health 102.
**101**

**GENERAL BIOLOGY**

4 Units

Biology 101 is the first half of a one-year course designed for biological science majors. It covers fundamental biological principles and processes from the philosophy of the scientific method through molecular biology, cell structure and function, to basic anatomy and physiology of vascular plants and mammalian vertebrates. Lecture 3 hours, discussion 1 hour, laboratory 2 hours. **Prerequisite:** Chemistry 101. **Transfer credit:** CSU, UC, USC (Biology 101 & 102 CAN BIOL SEQ A) (CAN BIOL 2)

**102**

**GENERAL BIOLOGY**

5 Units

Biology 102 is a continuation of the study of fundamental biological processes. The course includes genetics from Mendelian through molecular, gene regulation and developmental processes, evolutionary biology, systematics, chemosynthetic theories of the origin of life, population, and ecological principles. Lab is essentially a separate course involving a student research project on Drosophila genetics and an extensive 5 kingdom survey. Lecture 3 hours, discussion 2 hours, laboratory 4 hours. **Prerequisite:** Biology 101 and Chemistry 101. **Transfer credit:** CSU, UC, USC (Biology 101 & 102 CAN BIOL SEQ A) (CAN BIOL 6)

**112**

**MICROBIOLOGY**

4 Units

Biology 112 is a study of life using microorganisms (algae, bacteria, molds, protozoa, viruses, and yeasts) as prototypes. The course includes microbial biochemistry, genetics, cellular and ultra-cellular activities, applied uses, and pathogenicity of these forms of life. In the laboratory students also identify one unknown microbe. Lecture 3 hours, laboratory 4 hours. **Prerequisite:** Chemistry 101 or 110 or 120. **Transfer credit:** CSU, UC, USC (CAN BIOL 14)

**115**

**HUMAN BIOLOGY**

4 Units

Biology 115 is an introductory course covering biological principles as they apply to the human body. The central theme is the structure and function of the human organism. Topics covered include: human evolution, the human species in the environment, cells, tissues, the major body systems, heredity, and the major human conditions and diseases.

A weekly laboratory allows students the opportunity to gain practical experience in the techniques necessary to study the health sciences. Lecture 3 hours, discussion 1 hour, laboratory 2 hours. **Recommended preparation:** High school biology. **Note:** This course may not be taken for credit by students who have completed Biology 120 or 121. **Transfer credit:** CSU, UC, USC

**118**

**PRINCIPLES OF BIOLOGY**

3 Units

Biology 118 is a television survey course covering the major concepts in biological science. The emphasis is on the dynamic processes and inter-relationships occurring in the living world. This course is designed for students majoring in fields other than the biological sciences. Lecture and discussion, 3 hours. **Prerequisite:** None. **Note:** This course may not be taken for credit by students who have completed Biology 122.

**120**

**HUMAN ANATOMY**

5 Units

Biology 120 comprehensively covers the systems of the human body. The laboratory includes the study of tissues using the microscope and a detailed study of the human skeleton. Dissections on the cat muscles and blood vessels, sheep brain, and cow eye, as well as the human cadaver, are included to illustrate comparative parts of human anatomy. Lecture 3 hours, discussion 2 hours, laboratory 4 hours. **Recommended preparation:** Biology 115 is strongly recommended for students with a limited background in the biological sciences. **Note:** Primarily for nursing, physical education, and health science majors. **Transfer credit:** CSU, UC, USC (CAN BIOL 10)

**121**

**INTRODUCTION TO PHYSIOLOGY**

4 Units

Biology 121 studies the functions of the systems of the human body. Course format includes lecture and extensive lab activity including EEG, EKG, spirometry, urinalysis, blood analysis, etc. Physiology is required for nursing students and is elective for others. Lecture 3 hours, discussion 1 hour, laboratory 2 hours. **Prerequisite:** Biology 120 and Chemistry 101, 110, or 120. **Transfer credit:** CSU, UC, USC (CAN BIOL 12)

**122**

**INTRODUCTION TO BIOLOGY**

4 Units

Biology 122 is designed to give an overview of the biological sphere of life and an elementary working knowledge of the fields studied. It takes a liberalized approach to the study of five kingdoms of living organisms. The emphasis is on the dynamic processes and functional inter-relationships between which shape and influence the world. The problems facing the planet today are emphasized. Primarily for students majoring in fields other than the biological sciences. Lecture 3 hours, discussion 1 hour, laboratory 2 hours. **Recommended preparation:** Eligibility for English 120 is strongly recommended. **Note:** This course allows only 1 unit of credit for those students completing Biology 118. **Transfer credit:** CSU, UC, USC

**123**

**EVOLUTION**

3 Units

Biology 123 deals with the emergence and development of life. Evidences for and against the theory of evolution are discussed with topics including mechanisms and theories of evolution, biogeography, origins of life (including extra-terrestrial possibilities), genetics, the emergence of primates and humans, cooperation, competition, racism, and war. The future of evolution, humans, and civilization concludes the course. Lecture 3 hours. **Prerequisite:** None. **Transfer credit:** CSU, UC, USC
125 Marine Biology
3 Units
Biology 125 is an introduction to biology offering a general survey of the ecosystem and diversity of life in the marine environment. The course includes an introduction to the sciences of geological, chemical and physical oceanography as the basis to understand the environment where marine organisms exist. A comparative approach is used to learn about the physiological and anatomical adaptations of the different marine organisms to their environment. Aspects of the three major areas of biology, evolutionary, cell and molecular theory, are addressed throughout the course. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

126 Field and Laboratory Investigations in Marine Biology
1 Unit
Biology 126 is an introductory science laboratory offering a general survey of the diversity of life in the marine environment and an introduction to some of its major ecosystems. The laboratory exercises utilize the comparative method in order to study the anatomy, physiology and evolution of some of the major phyla of marine organisms. This course requires the participation in at least four field trips. Field trips introduce the student to the ecology of marine ecosystems. Laboratory/field work 3 hours. Field trips totaling a minimum of 9 hours are required. Prerequisite: Biology 125. (Biology 125 may be taken concurrently.) Note: Field trips require student contribution for meals and transportation. Transfer credit: CSU, UC, USC

128 Ecology and Conservation Laboratory
1 Unit
Biology 128 is offered as a practical supplement to Biology 127. Ecology and conservation allows the student to apply concepts and theory presented in Biology 127 to practical field situations. Students learn environmental monitoring and analysis techniques along with research data analysis and interpretation. Laboratory 3 hours. Prerequisite: Biology 127 (Biology 127 may be taken concurrently). Transfer credit: CSU, UC, USC

129 Directed Studies in Marine Ecology
(See Note)
Biology 129 is a course emphasizing individual investigation of the natural marine environment through field and laboratory studies. Students examine the inter-relation-ship between marine organisms and their habitats by special projects dealing with a particular problem. Library research, a scientific paper, and an oral presentation of the directed studies are an integral part of the course. Field studies investigate various localities during different semesters; such as, Baja California, the Channel Islands, the northern California coast, and local marine habitats. 3-9 hours field and laboratory study. Prerequisite: Biology 125 or Biology 101 and 102. Note: Three hours are required for each unit earned. The course may be taken for one, two, or three units according to the schedule. The course may be repeated for a maximum of 6 units. Field trips require student contribution for meals and transportation. Transfer credit: CSU, UC, USC

130 Natural History of Southern California
4 Units
Biology 130 is the ecological studies of alpine to lower desert and aquatic communities. Emphasis is placed on laboratory investigation of the types, distribution, and diversity of plants and animals within each community. Environmental factors such as climate, soils, and landforms are integrated with community studies. Lab studies are reinforced through two overnight field trips to desert or mountain areas. (See current class schedule.) Lecture 3 hours, laboratory 3 hours. Recommended preparation: A course in either high school or college biology or equivalent. Note: Overnight field trips will require student contribution for meals and transportation. Transfer credit: CSU, UC, USC

131 Natural History Field Studies
1-3 Units
Biology 131 offers individual and group investigation of the biological environment and the impact of human activities upon it. The course format includes discussion sessions as well as field studies. Students examine the inter-relationship between biological organisms and their habitats by special projects dealing with a particular problem. Library research, a scientific paper, and/or an oral presentation of the directed studies may be a part of the course. Field studies investigate a variety of world localities. The cost of land and air arrangements is borne by each student, and are kept to a minimum while still providing clean and comfortable lodging. 3-9 hours field and laboratory study. Prerequisite: A biology or ecology course in high school or college, or the equivalent. Note: Three hours are required for each unit earned. The course may be taken for one, two, or three units according to the schedule. This course may be taken 4 times; a maximum of 6 units may be earned. Transfer credit: CSU

132 Introduction to Marine Science
3 Units
Biology 132 serves as an introduction to oceanography, marine biology, and the related marine technologies. Topics covered include sea floor topography and geologic processes, water circulation, and the diversity of marine organisms and their physiological and ecological adaptations to the marine technologies dealing with the development and utilization of marine biological and geological resources. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

135 Introduction to Botany
4 Units
Biology 135 is an introductory course covering biological principles as they apply to the plant world. The central theme is the importance of plant structure and variation in life on earth. Topics covered include plants and human affairs, plant cells, photosynthesis, the role of plants in ecological cycles, and a survey of the earth's plant forms. Lecture 3 hours, discussion 1 hour, laboratory 2 hours. Recommended preparation: High school biology. Transfer credit: CSU, UC, USC
137 FIELD BOTANY
5 Units
Biology 137 is a study of the plant materials and the ecology of the plant communities of Southern California. Two weekend field trips are included. Lecture 3 hours, discussion 2 hours, laboratory 4 hours. Prerequisite: None. Transfer credit: CSU

138 HORTICULTURE
3 Units
Biology 138 is a study of the names and requirements of exotic and native plants used in ornamental horticulture in the Los Angeles area. Basic principles and practices in propagation, pruning, diseases, and insect control as well as extensive laboratory work with living specimens in the greenhouse are elements included in this course. Field trips to local nurseries and parks are planned. Lecture 2 hours, discussion 1 hour, laboratory 1 hour. Prerequisite: None. Transfer credit: CSU

139 PLANT PROPAGATION
3 Units
Biology 139 is the study and practice of growing plants from seed and by asexual methods for commercial or home use. Propagation methods, structures, plant pests and diseases, and control of the plants being propagated are discussed. Laboratory work in seeding, transplanting, cutting, budding, and grafting are done by the student. Lecture 2 hours, discussion 1 hour, laboratory 2 hours. Prerequisite: None. Transfer credit: CSU

145 BIOLOGY OF BIRDS
2 Units
Biology 145 is a nine-week introductory course dealing with the identification, classification, ecology, anatomy, and behavior of birds. Course study emphasizes the natural history of local birds as well as representative bird groups from around the world. Lecture 3 hours, laboratory, see Note. Prerequisite: None. Note: Several laboratory sessions are required with each session lasting five hours. (See current schedule of classes.) Transfer credit: CSU

146 MARINE MAMMALS
2 Units
Biology 146 is an eight-week introductory course dealing with the identification, classification, ecology, anatomy, and behavior of marine mammals. Course study emphasizes the natural history of local marine mammal species as well as representative marine mammal groups from the oceans of the world. Lecture 3 hours, laboratory, see Note. Prerequisite: None. Note: One field session lasting three days and two field sessions lasting one day each are required. (See current schedule of classes for location and dates of field session.) Transfer credit: CSU

BUSINESS
Many of the Business courses were renumbered in Fall, 1997. Use the following list to find new course numbers.

BUSINESS ADMINISTRATION (BUSAD)

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BUSINESS ADMINISTRATION

101 INTRODUCTION TO BUSINESS
3 Units
Business Administration 101 orientes students to the field of business, introducing, in survey form, the functions, characteristics, organization, and problems of business. The course serves as a foundation for later specialized study, and directs the thinking of students to possible careers. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC

106 WRITTEN BUSINESS COMMUNICATIONS
(Formerly Business General 110)
3 Units
Business Administration 106 is a writing course for students completing programs in business. The course prepares students to accomplish tasks and solve problems through the written word. The mechanics, strategies, and processes of technical writing, as well as creative and critical thinking skills, are applied to a variety of tasks which simulate typical events in business. Techniques are covered for creating effective business letters, information summaries, proposals, and reports, including references and research sources and appropriate styles and formats. In addition, original essays responding to a review of rhetorical works in the fields of business and economics are prepared. The impact of organizational procedures on business communications is explored, and the automated technology which facilitates this communication is applied to a variety of tasks common to the business organization. Lecture 4 hours. Prerequisite: Business Office Technology 103 and one of the following: 1. Eligibility for English 120, or 2. Eligibility for ESL 151, or 3. Completion of Business Office Technology 102. Recommended preparation: Keyboarding skill at the rate of 30 w.p.m. Transfer credit: CSU

110 HUMAN RESOURCES IN BUSINESS
3 Units
Business Administration 110 aids future employees, as well as present employees, in understanding and utilizing human relations concepts as they apply to the business environment. Topics cover such areas as morale, personal efficiency, personality, motivation, communication, decision making, job adjustment and leadership. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: Students with no prior business experience should complete Business Administration 101 or Office Administration 101 before taking this course. This course counts toward social science units required for graduation. Transfer credit: CSU

120 BUSINESS LAW I
3 Units
Business Administration 120 is a study of law as it influences business conduct, including growth of law and recent changes, especially the new Uniform Commercial Code, and principles of contracts, bailments, and agency. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC (CAN BUS 8)

125 BUSINESS LAW II
3 Units
Business Administration 125 deals with the law of sales, negotiable instruments, partnerships, corporations, and trade regulation. Lecture 3 hours. Prerequisite: Business Administration 120 or equivalent. Transfer credit: CSU, UC, USC

131 INTRODUCTION TO FINANCE
(Formerly Finance 101)
3 Units
Business Administration 131 introduces the student to the many financial decisions faced by a modern business, along with the analytical tools and concepts necessary for an evaluation of these decisions. The material is applicable to large corporations, small businesses and nonprofit organizations. Lecture 3 hours. Prerequisite: None. Note: One year of accounting is recommended. Transfer credit: CSU

132 FINANCIAL STATEMENT ANALYSIS
(Formerly Finance 110)
3 Units
Business Administration 132 provides a complete understanding of the Income Statement and the Balance Sheet. These financial statements are further analyzed as to components, and ratios are developed to determine the firm's financial position. Lecture 3 hours. Prerequisite: Accounting 101 or equivalent. Transfer credit: CSU

134 INVESTMENTS
(Formerly Finance 140)
3 Units
Business Administration 134 is designed to develop the student's understanding of the various public investments available, their potential risks and rewards, and the situations in which they are most utilized. Topics include investment principles and objectives, the operation of securities markets, investment banking, and asset selection and allocation. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU

135 MONEY AND BANKING
(Formerly Finance 150)
3 Units
Business Administration 135 is a course designed to help students secure employment with investment banking houses, commercial banks, finance companies, stock and commodity exchanges, and securities dealers. It is a study of the American monetary system and American financial institutions. The course allows students to obtain a critical understanding of the Federal Reserve structure, monetary and fiscal policy, and the commercial banking process. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU

136 MONEY MANAGEMENT
(Formerly Finance 161)
3 Units
Business Administration 136 covers the basic principles of efficient money management. The fundamentals of financial planning and the control of current financial actions to reach future financial goals are studied, including such topics as providing for major investments, retirement and pension planning, the tax environment, and the effect of new laws and regulations. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU
138 BUYING AND SELLING A BUSINESS
(Formerly Finance 200)
(Also listed as Real Estate 200)
3 Units
Business Administration 138 presents all
the information necessary to conduct the
purchase or sale of a small business. This
course focuses on what a real estate agent
should know so that he or she could prop-
ably list, offer, negotiate and sell a business.
The techniques of marketing, financing,
financial reporting, taxation, mergers and
business management are covered in
detail. Lecture 3 hours. Prerequisite: None.
Note: This course may not be taken for
credit by students who have completed
Real Estate 200. Transfer credit: CSU

141 INTRODUCTION TO MANAGEMENT
(Formerly Management 101)
3 Units
Business Administration 141 introduces the
student to the basic managerial functions
within an organization, which include plan-
ning and decision making, organizing, staff-
ing, directing, leading, and controlling.
These functions apply to managers at all
levels, from small businesses to top execu-
tive management. Lecture 3 hours. Recom-
mended preparation: One year of occupa-
tional training or equivalent service, in-
dustrial or business experience before tak-
ing this course. Transfer credit: CSU

142 MANAGEMENT/EMPLOYEE
RELATIONS
(Formerly Management 110)
3 Units
Business Administration 142 covers devel-
opment of human relations climate; pat-
terns, function, and types of leadership,
simulation training; organizational levels;
staff relationships; and organizational and
group dynamics; informal organizations;
working with unions; managing change;
wage administration and incentives; pro-
cedures and work systems; attitudes; and
development of participations. Lecture 3
hours. Prerequisite: None.

144 PERSONNEL MANAGEMENT
(Formerly Management 115)
3 Units
Business Administration 144 presents per-
sonnel techniques for which supervisors
are partially responsible and for which they
should have some training in selection,
testing, placement, orientation, training,
counseling, merit rating, promotion, trans-
fer, and training for responsibility. Lecture 3
hours. Prerequisite: None.

146 PLANNING AND ORGANIZATION
(Formerly Management 120)
3 Units
Business Administration 146 covers tech-
niques for planning; staffing; organization
objectives, and flexibility; functions of di-
recting, control, coordinating, and training;
service departments; job descriptions;
grievance procedures, and maintaining pro-
duction. Lecture 3 hours. Prerequisite: None.

148 PRODUCTION AND OPERATIONS
MANAGEMENT
(Formerly Management 130)
3 Units
Business Administration 148 presents an
overview of production and operations man-
agement. It deals primarily with the man-
egagement of the production of products by
manufacturing organizations. The use of
computer-based production and inventory
planning and control systems is empha-
sized. Lecture 3 hours. Prerequisite: Com-
puter Science/Information Systems 101 or
equivalent.

149 COST CONTROL AND ANALYSIS
(Formerly Management 135)
3 Units
Business Administration 149 covers analy-
sis of cost control in industry and its func-
tions. This course presents the supervisor's
responsibility for the factors in cost control:
costs, materials, waste, salvage, quality
control, quantity control, and time control.
Lecture 3 hours. Prerequisite: None.

151 THEATRE MANAGEMENT
(Also listed as Theatre Arts 151)
3 Units
Business Administration 151 is designed to
provide an introduction to economic and
managerial aspects of American theatre,
especially as they apply to professional
resident theatre and nonprofessional com-

munity and educational theatre organiza-
tions. It is assumed that students have a
background in theatre history and produc-
tion but that they are comparatively untu-
tored in economics and business adminis-
tration. Lecture 3 hours. Recommended
corequisite: Theatre Arts 131. Note: This
course may not be taken for credit by stu-
dents who have completed Theatre Arts
151. Transfer credit: CSU

152 MANAGEMENT COMMUNICATIONS—
ORAL
(Formerly Management 145)
3 Units
Business Administration 152 covers plan-
ing interpersonal communication, speak-
ing techniques, conducting question-and-
answer periods, conference leading on the
job, objectives of good presentations, ef-
fective use of visuals in oral presentations,
interviewing, bridges and barriers to com-
munications, and what to do about rumors.
Lecture 3 hours. Recommended prepara-
tion: One of the following: Composite of
academic background and professional
experience; or Eligibility for Business
Administration 106 or English 120 or ESL
151 or ESL 155. Transfer credit: CSU

154 ENVIRONMENTAL HAZARDOUS
MATERIALS
(Formerly Management 155)
3 Units
Business Administration 154 covers man-
agement and supervisory responsibility for
hazardous materials and safety in the work-
place, compliance with regulatory require-
ments, and fire and accident prevention.
Students are introduced to environmental
chemistry and toxicology as applied to the
industrial setting, to an overview of federal,
state and local regulations and require-
ments and to the manager's responsibility
for job and safety instruction, information
programs, and the design and implemen-
tation of an effective industrial safety pro-
gram. Lecture 3 hours. Prerequisite: None.
Transfer credit: CSU

156 MANAGEMENT CONTROL
(Formerly Management 160)
3 Units
Business Administration 156 emphasizes
the basic principles of controls, such as,
delegation of responsibility, purpose and
objectives of controls, manufacturing costs,
quality control, quantity control, production
control, control over materials, control over
the organization, and control over person-

nel. Lecture 3 hours. Prerequisite: None.
Transfer credit: CSU
STARTING AND MANAGING A SMALL BUSINESS
(Formerly Management 165)
3 Units
Business Administration 158 teaches small business start up and small business management. The course includes the role of small business in our free enterprise system, a profile of the successful entrepreneur, and instruction in starting and managing a small business. Some of the topics covered are marketing, budgeting, pricing, staffing, accounting, capital acquisition, principles of management, the business plan, and a survey of the retail, wholesale, service, and manufacturing industries. The course is directed toward students who wish to start their own small business or improve the profitability of their existing small business. Lecture 3 hours. Prerequisite: None.

PRINCIPLES OF MARKETING
(Formerly Marketing 105)
3 Units
Business Administration 162 is an introductory course intended to acquaint students with the business practices involved in the activities of moving goods and services from the producer to the ultimate consumer. The course reviews the marketing system and the psychology and sociology of consumer decisions. Additional areas of interest include retailing, wholesaling, new product decisions, pricing, distribution, advertising, and market research. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU.

RETAIL SELLING
(Formerly Marketing 112)
3 Units
Business Administration 164 is a class in which fundamental principles of retailing, wholesaling, and specialty selling are discussed. Students select several retail sales situations and present them before the class. The methods of approaching a prospect, demonstrating the product, and closing the sale are discussed and reviewed. The course covers plans for promotion, merchandising policies, and consumer behavior. Lecture 3 hours. Prerequisite: None.

ADVERTISING
(Formerly Marketing 120)
3 Units
Business Administration 166 is an introductory course in the purpose and principles of advertising, including the organization and functions of advertising agencies. Buying motives and the writing of good copy are studied. Radio, television, and outdoor advertising methods and costs are covered. This course is not intended to develop artistic ability, but those who can illustrate their copy will find an opportunity to do so. Courses in advertising art are offered by the Art Department. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU.

FASHION MERCHANDISING
(Formerly Marketing 125)
(Also Listed as Fashion Design Merchandising 168)
3 Units
Business Administration 168 is a study of the principles of fashion. It includes a study of fashion retailers, apparel producers, and manufacturers. Lecture 3 hours. Prerequisite: None. Note: This course may not be taken for credit by students who have completed Fashion 125 or Fashion Design Merchandising 168. Transfer credit: CSU.

INTRODUCTION TO INTERNATIONAL BUSINESS
3 Units
Business Administration 170 is an overview of basic issues with which someone involved in international business must deal. These include deciding on a business organization for foreign operations, establishing banking relationships, raising capital, currency exchange, marketing in a foreign environment, with particular emphasis on Pacific Rim, Western European and South American markets; import-export regulations, and problems with locating manufacturing abroad. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU.

IMPORT/EXPORT BUSINESS IN THE PACIFIC RIM
3 Units
Business Administration 175 is a project course teaching the real-world process of establishing an import/export business. The student is guided in preparing a business plan for an import/export activity. Each country in the Pacific Rim is discussed in terms of their current business conditions and import/export opportunities. Asia, our largest trading area, is the most successful, fastest growing economic area in the world. The special business cultures and techniques contributing to its success and the success of its firms are presented. A major part of the course is a discussion of the business aspect of the cultural views and practices necessary to do business in these countries. Lecture 3 hours. Prerequisite: None. Note: Students are expected to have a strong background in business and an interest in participating in the global economy. It is recommended that those students without practical business experience first complete Business Administration 101 and 170. Transfer credit: CSU.

IMPORT/EXPORT WITHIN NAFTA AND LATIN AMERICAN COUNTRIES
3 Units
Business Administration 176 discusses the special issues of doing business with NAFTA countries (Canada and Mexico) and with Latin America. The NAFTA countries are not only geographically the closest countries to the United States but have the most favorable trading conditions. These facts make NAFTA countries strong candidates for establishing an import/export business. Other Latin American countries are also analyzed from the governmental, social, economic, and geographic systems in these business opportunities. A major part of this course is a discussion of the business aspect of the cultural views and practices necessary to do business in the Americas. Lecture 3 hours. Prerequisite: None. Note: Students are expected to have a strong background in business and an interest in participating in the global economy. Practical business experience, especially in international business, is the best background for this course. However, it is recommended that those students without practical business experience first complete Business Administration 101 and 170. Transfer credit: CSU.
180 PRINCIPLES OF IMPORTING AND EXPORTING
3 Units
Business Administration 180 prepares students to participate in the global economy through importing and exporting activities. Topics presented include ways to locate products to import or export, import/export marketing strategies, import/export pricing and distribution channels, international payment transfers, import/export financing, procedures used in shipping and receiving international goods, and strategies for successful importing and exporting. Lecture 3 hours. Prerequisite: None. Note: Students are expected to have a strong background in business and an interest in participating in the global economy. It is recommended that those students without practical business experience first complete Business Administration 101 and 170. Transfer credit: CSU

BUSINESS OFFICE TECHNOLOGY

101 BUSINESS OFFICE PROCEDURES
(Formerly Office Administration 101)
3 Units
Business Office Technology 101 is a detailed study of general office procedures, including the selection of office supplies; processing of mail; use of postal and telegraph services; receptionist and telephone techniques; handling travel arrangements; data processing; preparation of reports; banking procedures; payroll, insurance, and tax records; legal forms; and job interviews. Lecture 3 hours. Prerequisite: Business Office Technology 205 (2 units) or one year of typing in high school and eligibility for one of the following: Business Office Technology 102 or English 120 or English 131.

102 ENGLISH FOR BUSINESS
(Formerly Business General 101)
4 Units
Business Office Technology 102 is a course designed to help students improve their written communication in English. The course offers a systematic approach to building a foundation in the structure, mechanics, and application of the English language to the business environment by constructing and editing sentences, paragraphs, and documents for logical expression of thought using proper sentence structure, grammar, syntax, punctuation, and business vocabulary. Appropriate computer software is used. Students develop composition skills at progressively complex levels. Lecture 4 hours. Prerequisite: Business Office Technology 103. (Business Office Technology 103 may be taken concurrently), and one of the following:
1. Eligibility for English 191, or
2. Eligibility for ESL 141.
Recommended preparation: Keyboarding skill at the rate of 25 w.p.m. or concurrent enrollment in a keyboarding course. Note: This course allows one unit of credit for students who have completed English 101, and 2 units of credit for students who have completed English 120 or English 131.

103 BUSINESS VOCABULARY DEVELOPMENT
(Formerly Business General 105)
3 Units
Business Office Technology 103 is designed to develop skill in the acquisition and proper use of English vocabulary used in business communications. Both general and specialized vocabularies specific to business professions are covered. In addition, methods for independent study are explored to promote vocabulary expansion beyond the classroom. Lecture 3 hours. Prerequisite: Eligibility for ESL 131 or English 189.

104 FILING METHODS AND SYSTEMS
(Formerly Office Administration 105)
1 Unit
Business Office Technology 104 covers principles and procedures for establishment and use of various filing systems. This includes practice in alphabetic, numeric, geographic, and subject filing methods and covers principles and procedures for storage and retrieval, retention, transfer, and disposal of records. Lecture 3 hours. Recommended preparation: Eligibility for Business Office Technology 102 or English 120.

106 ELECTRONIC CALCULATORS
(Formerly Business General 140)
2 Units
Business Office Technology 106 develops skill in the operation of the ten-key electronic display/printing calculators. Students apply calculating machine skills to actual business problems. Lecture 1½ hours, laboratory 1½ hours. Prerequisite: None.

110 COLLEGIATE BUSINESS MATHEMATICS
(Formerly Business General 135)
3 Units
Business Office Technology 110 is a complete course in mathematical topics needed for success in modern business. Students concentrate on analyzing word problems by generating and solving appropriate algebraic equations and selecting appropriate mathematical procedures to solve problems arising in complex business situations. Emphasis is on real-world problems in such areas as payroll, cash and trade discounting, simple and compound interest, depreciation, installment purchases, and note and mortgage valuation. This course offers students a solid preparation for entering courses in accounting, retailing and marketing and is a core requirement for Business Office Technology certificate programs. It also increases the student's chances of success on pre-employment mathematics tests. Lecture 3 hours. Prerequisite: None.

120 ABC SHORTHAND
(Formerly Business General 150)
1-3 Units
Business Office Technology 120 integrates the principles of notetaking with a phonetic system of shorthand for classroom and vocational use. Adaptable for notetaking in college classes, offices, business conferences, seminars, interviews, and for research report writing. Notetaking should be of interest to (a) all business majors who do not enroll in the secretarial programs, (b) majors in other subject areas where a great deal of notetaking is essential, and (c) business and professional people who must attend conferences and meetings and who prepare reports, speeches, articles, and research papers. Lecture 3 hours. Prerequisite: Eligibility for Business Office Technology 102 or English 120.
125
BEGINNING SHORTHAND
(Formerly Office Administration 120)
1-5 Units
Business Office Technology 125 is an introductory course in shorthand covering theory, speed development, and beginning transcription skills. Lecture 5 hours. **Prerequisite:** Business Office Technology 205 or equivalent, and eligibility for Business Office Technology 102. (Business Office Technology 205 may be taken concurrently.) **Note:** Students who can take dictation at least 60 words a minute should enroll in Business Office Technology 130. This course may be taken 4 times; a maximum of 5 units may be earned. **Transfer credit:** CSU

130
SHORTHAND SPEED
DEVELOPMENT
(Formerly Office Administration 140)
1-2 Units
Business Office Technology 130 is a course offering shorthand speed development on an individualized basis with dictation ranging from 50 words a minute to 120 words a minute. Lecture 2 hours. **Prerequisite:** Business Office Technology 120 (3 units), or Business Office Technology 125 (3 units), or one year of high school shorthand (any recognized method), or equivalent. **Note:** This course may be taken 4 times; a maximum of 6 units may be earned.

155
MACHINE TRANSCRIPTION—BUSINESS
(Formerly Office Administration 110)
2 Units
Business Office Technology 155 is a machine transcription course which enables students to transcribe business communications, with emphasis on excellence in typing and proficiency in the use of English skills, such as spelling, grammar, and punctuation. Lecture 1 1/2 hours, laboratory 1 1/2 hours. **Prerequisite:** (1) Business Office Technology 205 (3 units) or equivalent, (2) Business Office Technology 103, and (3) Business Office Technology 254 or equivalent. (Business Office Technology 254 may be taken concurrently.) **Recommended preparation:** Business Administration 106.

162
LEGAL OFFICE PROCEDURES
(Formerly Office Administration 162)
3 Units
Business Office Technology 162 is a course offering specialized training in preparation of legal paperwork and forms, development of specialized vocabulary and spelling, familiarization with law office routines, and other legal procedures. Lecture 3 hours. **Prerequisite:** Business Office Technology 210 (3 units) or equivalent; (2) Business Office Technology 101 and 254 or equivalent. (Business Office Technology 254 may be taken concurrently.) **Transfer credit:** CSU

165
MACHINE TRANSCRIPTION—LEGAL
(Formerly Office Administration 165)
2 Units
Business Office Technology 165 is a machine transcription course which enables students to transcribe legal communications and to type legal forms commonly used in legal offices. Emphasis is placed on excellence in typing and proficiency in use of English skills, such as spelling, grammar, and punctuation. Lecture 1 1/2 hours, laboratory 1 1/2 hours. **Prerequisite:** (1) Business Office Technology 210 (3 units) or equivalent, (2) Business Office Technology 103, and (3) Business Office Technology 254 or equivalent, or (4) eligibility for Business Administration 106.

182
MEDICAL TERMINOLOGY
(Formerly Office Administration 182)
5 Units
Business Office Technology 182 is designed to familiarize students interested in the medical field with origin, correct spelling, pronunciation, meaning and current usage of common medical terms and their application to clinical records and reports. Emphasis is placed on the roots, prefixes, suffixes, and word combinations. Lecture 5 hours. **Recommended preparation:** Eligibility for English 120.

185
MEDICAL FRONT OFFICE
PROCEDURES
(Formerly Office Administration 185)
3 Units
Business Office Technology 185 is a course offering an introduction to the medical office and concentrating on the medical assistant's role in the maintenance of a professional and efficient medical office, including career guidelines and professional qualifications; public relations; courteous and effective handling of patients, doctors, and co-workers; preparation and care of medical records; correspondence; financial records; insurance; and general management of a medical facility. Training is applicable in offices of physicians, medical hospitals and clinics, dental and medical agencies and government-sponsored medical facilities. Lecture 3 hours. **Prerequisite:** Business Office Technology 182 or equivalent.

190
MACHINE TRANSCRIPTION—
MEDICAL I
(Formerly Office Administration 190)
2 Units
Business Office Technology 190 is a machine transcription course which enables students to transcribe medical communications and to type medical forms commonly used in medical offices. Emphasis is placed on excellence in typing and proficiency in use of English skills, such as spelling, grammar, and punctuation. Lecture 1 1/2 hours, laboratory 1 1/2 hours. **Prerequisite:** (1) Business Office Technology 162, (2) Business Office Technology 210 (3 units) or equivalent, (3) Business Office Technology 103, (4) Business Office Technology 254 or equivalent. **Recommended preparation:** Eligibility for Business Administration 106.

195
MACHINE TRANSCRIPTION—
MEDICAL II
(Formerly Office Administration 195)
2 Units
Business Office Technology 195 covers machine transcription of case histories, surgical and pathological reports for hospital records, and letters dictated by physicians representing the medical specialties. Lecture 1 1/2 hours, laboratory 1 1/2 hours. **Prerequisite:** Business Office Technology 190 and 215 or equivalent. (Business Office Technology 215 may be taken concurrently.)
200
INTRODUCTION TO COMPUTER KEYBOARDING
(Formerly Office Administration 201)
(Also listed as Computer Science/Information Systems 200)
1 Unit
Business Office Technology 200 develops the basic skills and keyboard techniques needed to work with a computer keyboard. Accuracy is stressed because a single error may result in inputting or retrieving incorrect information or no information at all. The effect of modifier and function keys unique to the computer keyboard is reviewed. Lecture 1 hour, laboratory 3 hours. (9 weeks) Recommended preparation: Eligibility for Business Office Technology 102 or equivalent. Note: This course may be taken 3 times; a maximum of 3 units may be earned for Business Office Technology 200 and/or Computer Science/Information Systems 200.

205
COMPUTER KEYBOARDING/TYPING I
(Formerly Office Administration 205)
1-3 Units
Business Office Technology 205 develops the basic skill of keyboard techniques to give the foundation for advanced training in typing. Training is given in the preparation of memorandums, personal letters, business letters, simple tabulation, outlines, and manuscripts. Lecture 2 hours, laboratory 3 hours. Recommended preparation: English 181 or ESL 141. (English 181 or ESL 141 may be taken concurrently.) Note: Students who can type at least 30 words a minute should enroll in Business Office Technology 210. This course may be taken 3 times; a maximum of 3 units may be earned. Transfer credit: CSU

210
COMPUTER KEYBOARDING/TYPING II
(Formerly Office Administration 210)
1-3 Units
Business Office Technology 210 is a continuation of Business Office Technology 205, providing refinement and development of technique with increased emphasis on accuracy and speed. The course provides a detailed study of business letters, special office forms, tabulated reports, and manuscripts. Lecture 2 hours, laboratory 3 hours. Recommended preparation: Business Office Technology 205 (3 units) or equivalent. Recommended preparation: Eligibility for one of the following: Business Office Technology 102 or English 120. Note: This course may be taken 3 times; a maximum of 3 units may be earned. Transfer credit: CSU

230
COMPUTER KEYBOARDING/TYPING SPEED DEVELOPMENT
(Formerly Office Administration 230)
1-2 Units
Business Office Technology 230 is designed to provide intensive training and practice in building typewriting speed and control. The student is allowed to pursue individual goals. Lecture 1 1/2 hours, laboratory 1 1/2 hours. Prerequisites: Business Office Technology 205 (3 units) or equivalent. Note: This course may be taken 4 times; a maximum of 6 units may be earned. Concurrent enrollment in Business Office Technology 210 and 215 is permissible if the student needs additional speed and/or accuracy practice.

254
WORD PROCESSING I
(Formerly Office Administration 254)
3 Units
Business Office Technology 254 enables students to develop competency in operating a microcomputer using word processing software. This is an introductory course that involves learning basic operating system commands, along with creating, editing, printing, and storing simple documents. It also includes learning routine formatting and text editing features such as search and replace, merge, sort, headers and footers, redline and strikethrough, footnotes and endnotes, etc. Lecture 3 hours, laboratory 2 hours. Recommended preparation: Eligibility for one of the following: Business Office Technology 102 or English 120 or ESL 151 and a recommended typing speed of 25 wpm. Note: This course may be taken 3 times using different software or hardware; a maximum of 9 units may be earned.

256
WORD PROCESSING II
(Formerly Office Administration 256)
3 Units
Business Office Technology 256 is a continuation of Business Office Technology 254. This course is designed to prepare students with the advanced skills and knowledge to handle more difficult and challenging tasks. Lecture 3 hours, laboratory 1 hour. Prerequisite: Business Office Technology 254 or equivalent.

101
GENERAL CHEMISTRY
5 Units
Chemistry 101 is a course in fundamental chemistry designed to set forth the most important facts and theories with which chemistry is concerned. Basic laws and chemical calculations are stressed. Lecture 3 hours, discussion 2 hours, laboratory 4 hours. Prerequisite: All three of the following must be satisfied.
1. Eligibility for English 120 or ESL 151.
2. One of the following:
   a) Mathematics 101, or
   b) One and one-half years of algebra in high school with a grade of "C" or better.
3. One of the following:
   a) Chemistry 110 or
   b) One year of high school chemistry (which includes regularly scheduled laboratory work) with a grade of "C" or better and a satisfactory composite of test scores for the Mathematics and Chemistry Placement Exams.
Transfer credit: CSU, UC, USC (CAN CHEM 2)

102
GENERAL CHEMISTRY
5 Units
Chemistry 102 is a continuation of the study of the basic concepts of general chemistry introduced in Chemistry 101, with an emphasis on the theory and technique of qualitative analysis. Lecture 3 hours, discussion 2 hours, laboratory 4 hours. Prerequisite: Chemistry 101. Transfer credit: CSU, UC, USC (CAN CHEM 4)

103
QUANTITATIVE ANALYSIS
4 Units
Chemistry 103 emphasizes the principles and techniques of quantitative analysis, including titration, volumetric, gravimetric and spectrophotometric procedures. Many illustrative examples are solved. Lecture 2 hours, discussion 2 hours, laboratory 4 hours. Prerequisite: Chemistry 102. Note: Chemistry 103 is recommended for majors in chemistry, physics, pharmacy, mining engineering, geology, metallurgical or petroleum engineering, sanitary and municipal engineering, certain agriculture and public health curricula, and medical technologists. Transfer credit: CSU, UC, USC (CAN CHEM 12)
105 ORGANIC CHEMISTRY
5 Units
Chemistry 105 is an introductory study of the compounds of carbon, including the preparation, properties, and reactions of both aliphatic and aromatic hydrocarbons, halogen derivatives, alcohols, and ethers. Methods of synthesis are stressed, and reaction mechanisms and modern structural principles are introduced. Lecture 3 hours, discussion 2 hours, laboratory 4 hours. Prerequisite: Chemistry 102. Note: Required of pre-medical and pre-dental students; recommended for majors in chemistry, petroleum engineering, sanitary and municipal engineering, and pharmacy; and for certain home economics, public health, and agriculture majors. Transfer credit: CSU, UC, USC

106 ORGANIC CHEMISTRY
5 Units
Chemistry 106 is a study of the preparation, properties, and reactions of aliphatic, and aromatic acids, amines, aldehydes, ketones, carbohydrates, heterocyclic compounds, amino acids and proteins. Analysis as well as synthesis of compounds is stressed. Lecture 3 hours, discussion 2 hours, laboratory 4 hours. Prerequisite: Chemistry 105 or an equivalent course with 6 weekly hours of laboratory discussion. Transfer credit: CSU, UC, USC

110 ELEMENTS OF GENERAL CHEMISTRY
5 Units
Chemistry 110 is a basic course in the fundamental principles, laws, and computations of chemistry emphasizing the descriptive phases and including a brief introduction to the chemistry of the carbon compounds. Lecture 4 hours, discussion 1 hour, laboratory 2 hours. Prerequisite: Mathematics 141 or one year of algebra in high school. Transfer credit: CSU, UC, USC

114 THE CHEMICAL ENVIRONMENT
4 Units
Chemistry 114 is a college-level course in chemistry for non-chemistry majors. The term environment is used in the broadest sense, including, for example, foods, drugs, biomolecules, metals, plastics, fertilizers, pesticides, fossil fuels, technology, the earth, water, atmosphere, and pollution. Fundamentals of chemistry including kinetic theory, structure, bonding, reactions, energetics, and nomenclature are developed to provide a framework for interpretation of environmental phenomena. Scientific thinking is analyzed and related to everyday thought. The strengths and limitations of science are considered, with some exposure to social and philosophical implications. Current events in science are emphasized. Elementary mathematical concepts are introduced as needed. Written reports are required. Field trips may be required. Lecture 3 hours, laboratory 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

115 CHEMISTRY FUNDAMENTALS FOR NURSES
3 Units
Chemistry 115 is a course in fundamental chemistry for nurses (lecture only) designed to give the basic concepts of chemistry necessary for the nursing profession. Lecture 3 hours. Prerequisite: Concurrent enrollment in Allied Health 101, 103, 105, 107, and 108 if not completed previously, or anticipated acceptance into the Vocational Nursing Program.

120 FUNDAMENTALS OF COLLEGE CHEMISTRY (Inorganic)
5 Units
Chemistry 120 is a course in the fundamentals of chemistry with the emphasis on health science related examples. This course and Chemistry 121 are designed for health science (e.g., nursing), home economics, physical therapy, and other majors that need a year of college chemistry that includes inorganic, organic and biochemistry. Chemistry 120 covers inorganic chemistry. Chemistry 120 does not involve the level of mathematical applications that are found in Chemistry 101. Lecture 4 hours, discussion-laboratory 3 hours. Prerequisite: Mathematics 141 or one year of algebra in high school. Note: This course is not for science majors. At Glendale Community College, Chemistry 120 satisfies the prerequisite for Chemistry 121 only. Transfer credit: CSU, UC, USC (CAN CHEM 8)

121 FUNDAMENTALS OF COLLEGE CHEMISTRY (Organic and Biochemistry)
5 Units
Chemistry 121 is the second half of the year sequence and covers the fundamentals of organic and biochemistry. Lecture 4 hours, discussion-laboratory 3 hours. Prerequisite: Chemistry 120. Note: This course is not for science majors. Transfer credit: CSU, UC, USC

143 INTRODUCTION TO CHEMISTRY
4 Units
Chemistry 143 is an introductory course emphasizing the essential principles of chemistry with a descriptive survey of chemical facts. Reference is made to industrial and practical home chemistry. Lecture 3 hours, discussion 1 hour, laboratory 2 hours. Prerequisite: None. Note: Recommended as a foundation course for either Chemistry 110 or Chemistry 101. This course satisfies the chemistry requirement for many schools of nursing.

CHILD DEVELOPMENT

130 PARENTING YOUNG CHILDREN
1 Unit
Child Development 130 assists parents and child development students to gain competency in handling issues related to the growth and development of young children. Students are introduced to the skills and methods of observing and recording behavior, and they assess techniques that encourage self discipline. This course meets the requirements of the current California Community Colleges Home Economics Program Plan for child development students. Lecture 2 hours (9 weeks). Prerequisite: None. Note: This course may be taken 2 times; a maximum of 2 units may be earned.
133 INTRODUCTION TO EARLY CHILDHOOD EDUCATION
3 Units
Child Development 133 introduces the beginning student to Early Childhood Education, the discipline's history, theories, the career ladder within the profession, and educational preparation options. An introductory experience in the campus laboratory school as a classroom aide provides initial exposure to observation, routines, and responsibilities in an early childhood classroom. Particular emphasis is on observation in all contexts, recording tools and assessment methods. The course work does not assume a depth background in developmental theory. The course meets the recommendations of the California Community Colleges Home Economics Program Plan for child development students. Lecture 2 hours, laboratory 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151.

135 PRESCHOOL CHILD
3 Units
Child Development 135 covers the nature of the growth and development of the child from conception through age five. Other topics include the meaning and value of play, the significance of creative activities, the interpretation of child-adult relationships, standards for wholesome routines, guidance and discipline. Students make observations of infants and preschool age children in the classroom and in nearby child development centers. This course meets the requirements of the California Commission of Teacher Preparation and Licensing for teachers in child development centers, extended day care centers, and other publicly funded children's centers; and, also meets the requirements of the California Administrative Code, Title 22 for teachers and directors of state licensed preschools, day nurseries and infant centers. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC.

136 THE CHILD FROM FIVE TO TWELVE
3 Units
Child Development 136 considers the growth and development of the school-age child emphasizing the interrelationships of mental, physical, and social abilities with the accompanying changes in attitudes and behaviors. Observations of the school age child are included. This course meets the requirements of the California Commission of Teacher Preparation and Licensing for teachers of child development centers, extended day care centers, and other publicly funded children's centers and applies to the California Administrative Code, Title 22 for teachers and directors of state licensed preschools, day nurseries and infant centers. Lecture 3 hours. Prerequisite: Child Development 135. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC.

137 SCHOOL AGE CHILDREN IN CHILD CARE
3 Units
Child Development 137 examines needs and concerns relating to school-age child care. It provides background in the guidance of children ages 5-12, through knowledge of developmental ages and stages. Students discover the kinds of group programs which exist in the community, and analyze the quality environments and activities which safeguard the growth of children. Lecture 3 hours. Prerequisite: Child Development 136. Transfer credit: CSU.

138 CHILD HEALTH
3 Units
Child Development 138 seeks to analyze the responsibilities of the home, the school, and the community for health protection. The characteristics of good health and the recognition of the symptoms of communicable diseases are examined. The habits and attitudes essential for physical and mental health of teachers, parents and children are studied. The course meets the requirements of the California Commission of Teacher Preparation and Licensing for teachers of child development centers, extended day care centers, and other publicly funded children's centers and applies to the California Administrative Code, Title 22 for teachers and directors of state licensed preschools, day nurseries, and infant centers. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU.

140 PRINCIPLES AND PRACTICES IN PRESCHOOL EDUCATION
3 Units
Child Development 140 includes studies of the selection and arrangement of equipment and materials for groups of young children, appropriate curriculum in the areas of art, music/movement, science, and stories. Special emphasis is made in the importance of relevant play activities. Behavior of the preschool child in a group situation is studied through weekly observations at nursery schools, and the role of the preschool teacher is examined. This course meets the requirements of the California Commission of Teacher Preparation and Licensing for teachers of child development centers, extended day care centers, and other publicly funded children's centers; and, also meets the requirements of the California Administrative Code, Title 22 for teachers and directors of state licensed preschools, day nurseries and infant centers. Lecture 3 hours. Prerequisite: Child Development 135. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU.

141 FIELD PRACTICE IN A PRESCHOOL PROGRAM
3 Units
Child Development 141 enables the student to participate in the entire routine of a child development center—first as an observer and then as a teacher's aide. Questions arising from field practice experiences are discussed and research is done. This course satisfies the particular requirement of a field work course of the California Commission of Teacher Preparation and Licensing for teachers of child development centers, extended day care centers, and other publicly funded children's centers; and, also meets the requirements of the California Administrative Code, Title 22 for teachers and directors of state licensed preschools, day nurseries, and infant centers. Lecture 2 hours, laboratory 3 hours. Prerequisite: Child Development 135, 140, and verification of TB clearance. Corequisite: Students must enroll in the laboratory section concurrently each semester. Note: This course may be taken 3 times; a maximum of 9 units may be earned. Transfer credit: CSU.
142 HOME, SCHOOL, AND COMMUNITY RELATIONS
3 Units
Child Development 142 explores the responsibilities of the home, the school, and the community to each other. The students develop a resource file which includes the locations and services of various community agencies—voluntary, private, and public. This course meets the requirements of the California Commission of Teacher Preparation and Licensing for teachers of child development centers, extended day care centers, and other publicly funded children’s centers; and, also meets the requirements of the California Administrative Code, Title 22 for teachers and directors of state licensed preschools, day nurseries, and infant centers. Lecture 3 hours. Recommended: Preparatory: Eligibility for English 120 or ESL 151. Transfer credit: CSU

143 SUPERVISION AND ADMINISTRATION OF CHILD CARE CENTERS
3 Units
Child Development 143 explores the role of a child development center meeting the needs of children and their families. Particular emphasis is given to the establishing, licensing, staffing, and equipping of a child’s center with curricula appropriate to children of different ages, capacities, and interests. This course meets the requirements of the California Commission of Teacher Preparation and Licensing for teachers of child development centers, extended day care centers, and other publicly funded children’s centers; and applies to the California Administrative Code, Title 22 for teachers and directors of state licensed preschools, day nurseries, and infant centers. Lecture 3 hours. Prerequisite: Child Development 135 and 141 or equivalent including teaching experience. Transfer credit: CSU

147 WORKING WITH INFANTS AND TODDLERS
3 Units
Child Development 147 is designed to provide specialization in the milestones of infant and toddler development, and the various programs currently available. Students consider principles of care-giving, and learn appropriate play activities and materials necessary to enhance early childhood education. Observation of infants and toddlers is required, both in the classroom and outside in the community. Lecture 3 hours. Prerequisite: Child Development 135. Transfer credit: CSU

151 CREATIVE ACTIVITIES FOR PRESCHOOL CHILDREN
3 Units
Child Development 151 provides teaching techniques and opportunities to personally experience creative activities geared to the young child. It focuses on integrating these activities into the curriculum and encouraging the preschool children to explore and enjoy learning from their environment. Creative areas include: arts and crafts, carpentry, blocks, dramatic play, science, and cooking. Lecture 3 hours. Prerequisite: Child Development 140. (Child Development 140 may be taken concurrently.) Note: This course meets the requirements of the California Commission of Teacher Preparation and Licensing for teachers of child development centers, extended day centers, and other publicly funded children’s centers and applies to the California Administrative Code, Title 22 for teachers and directors of state licensed preschools, day nurseries and infant centers. Transfer credit: CSU

152 MUSIC FOR YOUNG CHILDREN
3 Units
Child Development 152 explores musical experiences appropriate to the development of the infant, the preschool child, the elementary school child, and the exceptional child. It meets the requirements of the California Commission of Teacher Preparation and Licensing for teachers of child development centers, extended day care centers, and other publicly funded children’s centers and applies to the California Administrative Code, Title 22 for teachers and directors of state licensed preschools, day nurseries, and infant centers. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU

155 CHILDREN WITH SPECIAL NEEDS
3 Units
Child Development 155 provides skill in identifying normal and special development of children, and includes methods of management and teaching techniques which prove helpful in working with children with special needs. A humanistic view of the whole child and the valuing and supporting of his/her rights is emphasized. Parents of exceptional or special children are considered, along with educational services and community agencies. Lecture 3 hours. Prerequisite: Child Development 135. (Child Development 135 may be taken concurrently.) Note: This course meets the requirements of the California Commission of Teacher Preparation and Licensing for teachers of child development centers, extended day care centers, and other publicly funded children’s centers and applies to the California Administrative Code, Title 22 for teachers and directors of state licensed preschools, day nurseries and infant centers. Transfer credit: CSU

156 TEACHING CHILDREN OF VARIOUS CULTURES
3 Units
Child Development 156 is designed to increase teacher competence through examination of various cultures in the U.S. and diversity issues of race, gender, age, and ability, resulting in the potential for classroom enrichment and child ego development. Lecture 3 hours. Prerequisite: Child Development 135. Transfer credit: CSU

158 MOVEMENT DEVELOPMENT: BIRTH THROUGH TWELVE YEARS
(Formerly Child Development 158 and 159)
(Also listed as Dance 158)
3 Units
Child Development 158 provides those students who are interested in teaching movement to children the opportunity to acquire knowledge and techniques related to motor development. The course introduces basic principles and theories of motor development in children from birth to age twelve, focusing on designing developmentally-appropriate and creative dance experiences for young children. Lecture 3 hours. Prerequisite: None. Note: Students who have completed Child Development 158 or 159 and/or Dance 158 and 159 for one and one-half units may only receive one and one-half units for this course. This course will not fulfill physical education activity requirements. Transfer credit: CSU
174 ADMINISTRATION AND SUPERVISION OF EARLY CHILDHOOD PROGRAMS I
3 Units
Child Development 174 addresses the functions common to the management of programs for young children. Topics covered include the general responsibilities of a director, various program types, licensing and accreditation criteria, and the process for starting a new center or a new year in an existing school. Particular emphasis is on developing sound fiscal and program management skills. Finance and budgeting, organizational structure, record keeping, equipment and space requirements, food services, and establishing general program policies are considered. This course partially meets the requirements of the California Commission of Teacher Credentialing for master teachers, site supervisors and program directors of Title 5 state subsidized child care and child development programs. The course meets the requirements of the California Administrative Code, Title 22 for directors of state licensed infant, toddler, preschool and school-age centers, and the recommendations of the California Community Colleges Home Economics Program Plan for child development students. Lecture 3 hours. Prerequisite: Child Development 174. Transfer credit: CSU

176 MENTOR TEACHER PRACTICES
3 Units
Child Development 176 studies the methods and principles of supervising student teachers in early childhood classrooms. Emphasis is on the role of classroom teachers with experience able to function as mentors to new teachers while simultaneously addressing the needs of children, parents, and other staff. Lecture 3 hours. Prerequisite: State of California Child Development Permit (formerly known as California Children's Center Permit). Transfer credit: CSU

210 SCAFFOLDING LEARNING IN EARLY CHILDHOOD EDUCATION
3 Units
Child Development 210 compares current cognitive theories and provides methods for bridging the gap between research and classroom practice. Strategies and skills necessary to preparing environments that encourage active learning and problem-solving skills for children are developed. Particular emphasis develops the project approach to implementation, using the acclaimed, innovative Reggio Emilia techniques. This course meets the recommendations of the California Community Colleges Home Economics Program Plan. Lecture 3 hours. Prerequisite: Child Development 135 and 140 or equivalents. Recommended preparation: Eligibility for English 120 or ESL 151 and preschool teaching experience. Transfer credit: CSU

175 ADMINISTRATION AND SUPERVISION OF EARLY CHILDHOOD PROGRAMS II
3 Units
Child Development 175 explores issues regarding communication, supervisory processes, goal consensus, team building, leadership style, center climate, and other organizational issues. Comprehensive methods for analyzing the different components of an early childhood program to effect organizational change are discussed. Particular emphasis is on the art of leadership and interpersonal relationships. This course partially meets the requirements of the California Commission of Teacher Credentialing for master teachers, site supervisors and program directors of Title 5 state subsidized child care and child development programs. The course meets the requirements of the California Administrative Code, Title 22 for directors of state licensed infant, toddler, preschool and school-age centers, and the recommendations of the California Community Colleges Home Economics Program Plan for child development students. Lecture 3 hours. Prerequisite: Child Development 174. Transfer credit: CSU

110 BASIC CONVERSATIONAL CHINESE I (MANDARIN)
3 Units
Chinese 110 is an introduction to the Chinese language (Mandarin) with emphasis on developing essential skills in communication. The verbal active method used stresses oral expression. This course develops a working knowledge of reading and writing as well, and includes the use of tapes, cassettes, and films. Lecture 3 hours. Prerequisite: None. Note: Not open to students who have oral proficiency or who have attended schools where Chinese was the language of instruction. This course may be taken 2 times; a maximum of 6 units may be earned.

111 BASIC CONVERSATIONAL CHINESE II
3 Units
Chinese 111 is a continuation of basic conversational Chinese. It teaches the students to communicate on a more advanced level and provides them with the ability to read and write basic Chinese as a route to further study. The classroom activities emphasize conversational repetition and oral expression. Reading and writing is introduced on a limited basis. Lecture 3 hours. Prerequisite: Chinese 110 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

112 BASIC CONVERSATIONAL CHINESE III
3 Units
Chinese 112 is a continuation of Chinese 111. The student learns more advanced skills of reading and writing Chinese characters. The classroom activities consist of two parts: first, recognizing characters and using them in sentences; second, writing characters in correct stroke order. Chinese calligraphy and advanced conversational Mandarin are included. Lecture 3 hours. Prerequisite: Chinese 111 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

COLLOQUIA

150 COLLOQUIA
1-3 Units
Glendale Community College may make available in the curriculum of each division, lower division units of study known as colloquia. The purposes of a colloquium are to broaden a student's general education, to provide a means for a specific study in depth, to offer areas of study of meaningful interest to the student, to stimulate serious thought, and to encourage greater student-faculty relationships. Emphasis shall be on discussion and analysis based on subjects, issues, or ideas of continuing importance or lasting significance. Prerequisite: None. Note: 15 hours minimum of Colloquia per unit of credit. Transfer credit: CSU, UC
COMPUTER AIDED MANUFACTURING

210 COMPUTER AIDED MANUFACTURING, BASIC MILLING
(Formerly Machine Technology 210) 3 Units
Computer Aided Manufacturing 210 introduces the use of computers in programming numerical control milling machines. Lecture 3 hours. Recommended preparation: Prior completion of a basic machine technology course. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

211 INTERMEDIATE MILLING 3 Units
Computer Aided Manufacturing 211 is an intermediate course in the use of computers to aid in the programming of numerical control milling machines in manufacturing. Lecture 3 hours. Prerequisite: Computer Aided Manufacturing 210. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

220 COMPUTER AIDED MANUFACTURING, BASIC LATHE
(Formerly Machine Technology 220) 3 Units
Computer Aided Manufacturing 220 introduces the operation of computers in programming numerical control lathe machines. Lecture 3 hours. Recommended preparation: Prior completion of a basic machine technology course. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

230 COMPUTER AIDED MANUFACTURING, BASIC MILLING PRACTICE
(Formerly Machine Technology 230) 1-2 Units
Computer Aided Manufacturing 230 is a laboratory class that allows students to practice on the MasterCam program and complete assignments from Computer Aided Manufacturing 210. Laboratory 3-6 hours. Prerequisite: Computer Aided Manufacturing 210 (Computer Aided Manufacturing 210 may be taken concurrently.) Recommended preparation: Prior completion of a basic machine technology course. Note: This course may be taken 2 times; a maximum of 4 units may be earned.

231 INTERMEDIATE MILLING LABORATORY 1 Unit
Computer Aided Manufacturing 231 is a laboratory class for students to practice on the MasterCam program and complete assignments from Computerized Numerical Control 211. This class provides additional time on computers to expand knowledge of and proficiency in the use of Computer Aided Manufacturing programs. Laboratory 3 hours. Prerequisite: Computer Aided Manufacturing 211 (Computer Aided Manufacturing 211 may be taken concurrently). Note: This course may be taken 2 times; a maximum of 2 units may be earned.

240 COMPUTER AIDED MANUFACTURING, BASIC LATHE PRACTICE
(Formerly Machine Technology 240) 1-2 Units
Computer Aided Manufacturing 240 is a laboratory class that allows students to practice on the MasterCam program and complete assignments from Computer Aided Manufacturing 220. Laboratory 3-6 hours. Prerequisite: Computer Aided Manufacturing 220 (Computer Aided Manufacturing 220 may be taken concurrently.) Recommended preparation: Prior completion of a basic machine technology course. Note: This course may be taken 2 times; a maximum of 4 units may be earned.

102 AUTOMATION AND PRODUCTION CONTROLS 3 Units
Computer Integrated Manufacturing 102 introduces the student to electronic control of automation systems, emphasizing the terms, principles and techniques used in automated manufacturing processes. Programmable logic control applications are analyzed in central system industrial design and instrumentation. Lecture 2 hours, laboratory 4 hours. Prerequisite: Computer Integrated Manufacturing 101 or equivalent industrial experience. Transfer credit: CSU

201 CIM SYSTEM CONCEPTS 3 Units
Computer Integrated Manufacturing 201 is a course in computer integrated manufacturing (CIM) concepts. It is an applied course in programming, operation, and production control of automated work cells within the CIM manufacturing lab module, emphasizing total system integration. Lecture 3 hours. Prerequisite: Computer Integrated Manufacturing 101, 102; Machine Technology 107, 111. Transfer credit: CSU

COMPUTER SCIENCE/INFORMATION SYSTEMS

99 ORIENTATION TO COMPUTER SKILLS ½ Unit
NON-DEGREE APPLICABLE
Computer Science/Information Systems 99 is designed to provide orientation in laboratory procedures to students wishing to have access to the computer laboratories. Lecture 1 hour. Prerequisite: None. Corequisite: Concurrent enrollment in any class at Glendale Community College.

COMPUTER INTEGRATED MANUFACTURING

101 ROBOTICS TECHNOLOGY 3 Units
Computer Integrated Manufacturing 101 provides a comprehensive study in the fundamentals of robotics and related technology. Specific areas of concentration include power and position, robot actuators and motors, motion control, microcontroller and microprocessor technology and programming concepts, communication interfacing, data acquisition, sensors, voice synthesis, and industrial applications. Laboratory work comprises experimental work with CIM Lab robots. Lecture 2 hours, laboratory 4 hours. Recommended preparation: Technical Education 142, Electronics & Computer Technology 103 and 110 or equivalent. Transfer credit: CSU
101 INTRODUCTION TO COMPUTER AND INFORMATION SYSTEMS
5 Units
Computer Science/Information Systems 101 is an in-depth study course designed to present the concepts and technology of processing information to students who plan to continue their studies in business information systems or computer science or who plan to work in the field. Two hour lecture/discussion sections are held in micro-computer equipped classrooms, where instructors teach application software, including word processing, spreadsheet and database packages. Lecture 5 hours, laboratory 1 hour. Recommended preparation: English 191 or ESL 141. Transfer credit: CSU, UC, USC

102 BUSINESS COMPUTER APPLICATIONS
2 Units
Computer Science/Information Systems 102 is specifically intended for students who wish to transfer to a business program in a four-year university. The course is problem oriented and solves advanced business problems with commonly-used software packages in word processing, spreadsheets, and databases as well as operating systems. The knowledge gained in this course allows students to effectively compete in the rigorous computer environment demanded by upper-level business courses. Lecture 3 hours, laboratory 1 hour. Prerequisite: Accounting 101, 102 or equivalent; Computer Science/Information Systems 101. (Accounting 102 may be taken concurrently.) Recommended preparation: Eligibility for English 120 or Business Administration 106. Transfer credit: CSU

105 COMPUTER CONCEPTS
3 Units
Computer Science/Information Systems 105 is a survey course designed to introduce concepts and applications to students with no previous exposure to computing. It is directed toward students who want a single survey course in computer concepts, and who may be using a computer in a work situation. Lecture 3 hours, laboratory 1 hour. Recommended preparation: Eligibility for English 120 or Business Administration 106 or ESL 151. Note: This course is not intended for MIS or CS majors and may not be taken for credit by students who have completed Computer Science/Information Systems 101. Transfer credit: CSU

107 ADAPTED COMPUTER TECHNOLOGY
3 Units
Computer Science/Information Systems 107 is designed to instruct disabled students in the use of adapted computer technology and use of specially designed software to enhance basic skill acquisition. Lecture 2 hours, laboratory 3 hours. Prerequisite: None. Note: This course may be taken 4 times; a maximum of 12 units may be earned. Transfer credit: CSU

108 ADAPTED COMPUTER LABORATORY
1-2 Units
Computer Science/Information Systems 108 is designed for the disabled student who has completed the regular Adapted Computer Technology but who must use adapted technologies to efficiently access the computer. Individualized projects will be developed and implemented. Laboratory 3-6 hours. Prerequisite: Computer Science/Information Systems 107 or demonstration of comparable knowledge and skills. Note: This course may be taken 4 times; a maximum of 8 units may be earned.

110 INTRODUCTION TO PROGRAMMING
3 Units
Computer Science/Information Systems 110 is a course in programming computers using the BASIC programming language. The course teaches the student to define the problem, outline the solution (via flowcharting or equivalent technique), code and debug the program and develop documentation. Lecture 2 hours, laboratory 3 hours. Prerequisite: ECT 100 or Business Office Technology 110 or eligibility for Mathematics 101, and eligibility for Computer Science/Information Systems 101. (ECT 100 may be taken concurrently.) Note: Students with no prior computer experience are advised to take Computer Science/Information Systems 101 before attempting Computer Science/Information Systems 110. This course may be satisfied by Credit-by-Examination. Transfer credit: CSU, UC, USC

111 INTRODUCTION TO INTERACTIVE MULTIMEDIA
(Also listed as Television 111)
3 Units
Computer Science/Information Systems 111 familiarizes students with the techniques of multimedia, combining the latest in video and computer technologies. Topics include interactive videodiscs, HyperCard, desktop video, computer animation, and virtual reality systems. Students create projects on computers. Lecture 2 hours, laboratory 4 hours. Recommended preparation: English 120 or ESL 151. Note: This course may not be taken for credit by students who have completed Television 111. Transfer credit: CSU

115 MICROCOMPUTER APPLICATIONS
4 Units
Computer Science/Information Systems 115 is intended to acquaint students with the capabilities of microcomputer systems and their software. Emphasis is placed on familiarization with the commonly used aspects of general applications packages. Students are taught the skills necessary to solve realistic problems using readily available existing software. Lecture 3 hours, laboratory 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU

116 PRESENTATION SOFTWARE
2 Units
Computer Science/Information Systems 116 teaches the use of microcomputer presentation software such as Powerpoint, Persuasion or Astound for business applications. Presentations, handouts and notes are designed, created, and formatted, using presentation software. The students use graphics, templates, and objects to enhance presentations. The content of this course differs each time it is offered with a different software package. Students who repeat the course will therefore gain additional skills and knowledge. Lecture 3 hours, laboratory 3 hours (9 weeks). Recommended preparation: Computer Science/Information Systems 101 or 105 and eligibility for English 120 or ESL 151 or Business Administration 106. Note: This course may be taken 3 times using different software or hardware; a maximum of 6 units may be earned.
118 INTRODUCTION TO 2D/3D GRAPHIC SOFTWARE
3 Units
Computer Science/Information Systems 118 teaches the fundamentals of a microcomputer based two-dimensional/three-dimensional graphics program. The course introduces the student to an array of drawing tools, menu functions, projection methods, and presentation options. This course does not teach basic design concepts, but teaches the student to use specialized software tools. Lecture 3 hours, laboratory 2 hours. Prerequisite: Computer Science/ Information Systems 105 or 101, or one year of computer experience. Recommended preparation: Eligibility for English 120 or ESL 151 or Business Administration 106. Note: This course may be taken 2 times using different software or hardware; a maximum of 6 units may be earned.

119 ADVANCED 2D/3D GRAPHIC SOFTWARE
3 Units
Computer Science/Information Systems 119 teaches the advanced capabilities of a microcomputer based two-dimensional/three dimensional graphics program. This course does not teach basic design concepts, but teaches the student to make use of the symbol, animation, worksheet, and database capabilities of the software. Lecture 3 hours, laboratory 2 hours. Prerequisite: Computer Science/Information Systems 118. Note: This course may be taken 2 times using different software or hardware; a maximum of 6 units may be earned.

120 VISUAL BASIC
3 Units
Computer Science/Information Systems 120 is an extended study of the capabilities of Visual Basic, an object-oriented programming language. The course includes file input/output, working with controls, windows, buttons, menus, multiple forms, databases and designing printed reports. Applications programs in business, education, science, mathematics, or engineering will be written. Lecture 3 hours, laboratory 2 hours. Prerequisite: Computer Science/Information Systems 110 or equivalent. Recommended preparation: Computer Science/Information Systems 101. Transfer credit: CSU, UC, USC

123 DESKTOP PUBLISHING
2 Units
Computer Science/Information Systems 123 is intended to acquaint the student with currently available desktop publishing technology. Students compose and create flyers, brochures and newsletters as well as explore the use of graphics programs. Students develop the skills necessary to plan, install and maintain a desktop publishing system. This course does not teach basic design concepts, but rather provides the student with new production tools. Lecture 3 hours, laboratory 1 hour. Recommended preparation: Eligibility for English 120 or Business Administration 106 or ESL 151. Note: This course may be taken 3 times using different hardware or software; a maximum of 6 units may be earned. Transfer credit: CSU

124 ADVANCED DESKTOP PUBLISHING
3 Units
Computer Science/Information Systems 124 is designed to acquaint students with the advanced features of publishing software in order to produce quality printed graphics material. Students compose and create a four-page magazine or newsletter using state-of-the-art graphic design tools. Lecture 3 hours, laboratory 1 hour. Prerequisite: Computer Science/Information Systems 123 or two years of professional Desktop Publishing experience. Note: This course may be taken 2 times if different software is used; a maximum of 6 units may be earned. Transfer credit: CSU

125 DISCRETE STRUCTURES FOR COMPUTING
5 Units
Computer Science/Information Systems 125 is a course in discrete mathematics which furnishes a strong foundation of mathematical tools for modeling problems in computer science for the computer science major. Topics include logic operations, combinators, undirected and directed graphs, Boolean algebra, algebraic systems, and finite state automata and Turing machines. Lecture 5 hours. Prerequisite: Mathematics 101 or a satisfactory score on the Mathematics Placement Examination. Transfer credit: CSU, UC, USC

126 DIGITAL IMAGING
3 Units
Computer Science/Information Systems 126 is an in-depth study course which introduces and teaches the concepts of Digital Imaging. Current imaging editing software, such as Photoshop, is used in the class. This course does not teach basic design concepts, but teaches the student techniques for the production of digital files which can be used for printing and display. Lecture 3 hours, laboratory 2 hours. Recommended preparation: Completion of Computer Science/Information Systems 101 or 105 and eligibility for English 120, Business Administration 106 or ESL 151.

127 INTRODUCTION TO HYPERCARD
3 Units
Computer Science/Information Systems 127 is a programming language for the Macintosh. It allows students to create new ways to retrieve, organize, individualize, and present information. Cards are organized into stacks, the equivalent of files, which may be linked together in various ways. The scripting part of HyperCard is HyperTalk, whose most obvious advantage is its flexibility. The language is useful for many things from creating calendars to preparing slide presentations and animation. Lecture 3 hours. Recommended preparation: Student should be familiar with the Macintosh. Transfer credit: CSU

128 HYPERCARD STACK DEVELOPMENT
3 Units
Computer Science/Information Systems 128 is an extension of CSIS 127. It includes stack design and scripting in greater depth. While languages such as Pascal are similar to the scripting part of HyperCard (HyperTalk), HyperCard also easily controls other media. Lecture 3 hours. Prerequisite: Computer Science/Information Systems 127 or equivalent. Transfer credit: CSU

129 PRINTING BUSINESS MATERIALS
1½ Units
Computer Science/Information Systems 129 teaches the student how to select and evaluate processes for producing printed business materials. The course includes the fundamentals of the printing process, ink, paper, and binding techniques most used in today's business environment. Lecture 3 hours (3 weekends). Recommended preparation: Eligibility for English 120, Business Administration 106 or ESL 151.
130
INTRODUCTION TO COMPUTER SCIENCE WITH PASCAL
4 Units
Computer Science/Information Systems 130 is a course in programming, algorithm development, and problem-solving using the Pascal language with a structured approach. It includes a study of the syntax and data structures of the language with applications in science, engineering, and industry. The course is suitable either for students planning to transfer or those wishing to develop a marketable skill. Lecture 3 hours, laboratory 3 hours. Prerequisite: Computer Science/Information Systems 101 and 110 or equivalent or Mathematics 128; or one year of full-time, professional experience. Transfer credit: CSU, UC, USC

135
PROGRAMMING IN C/C++
4 Units
Computer Science/Information Systems 135 is a course in programming using the C/C++ languages which are easily transportable languages with uses in applications programming for real-time, business, and image processing systems, as well as systems programming. Types, operators, control flow functions, object-oriented programming, classes, data abstraction, and program structure pointers and arrays are covered in the programming assignments. Lecture 3 hours, laboratory 3 hours. Prerequisite: Computer Science/Information Systems 101 or equivalent and Computer Science/Information Systems 130 or two years of full-time, professional experience using a block structured language. Transfer credit: CSU, UC, USC

137
ADVANCED C AND C++ PROGRAMMING
4 Units
Computer Science/Information Systems 137 applies the full range of C and C++ programming tools to problems in data base design, interactive and non-interactive graphics, and the interface between the C language and various operating systems. It also provides an opportunity for students working with other types of computing problems or programming environments to specify work of their own choosing within the scope of the course. Lecture 3 hours, laboratory 3 hours. Prerequisite: Computer Science/Information Systems 135 or 1 year of C programming in the workplace. Transfer credit: CSU, UC, USC

139
JAVA
4 Units
Computer Science/Information Systems 139 is a hands-on course where the student works with programs to develop a knowledge of Java concepts in an interactive environment. Standalone applications and network applicats are created and tested across operating systems and hardware platforms. Lecture 3 hours, laboratory 3 hours. Prerequisite: Computer Science/Information Systems 135 or equivalent experience, or 2 years of working experience in computer programming. Transfer credit: CSU

140
COBOL PROGRAMMING I
4 Units
Computer Science/Information Systems 140 presents the elements and capabilities of COBOL (common business oriented language), using a structured approach. COBOL programming applies to most common computer system configurations and business problem-solving applications. The course includes rules for COBOL words, statements, divisions, literal, editing, and other features. Lecture 3 hours, laboratory 3 hours. Prerequisite: Computer Science/Information Systems 101 or equivalent. Computer Science/Information Systems 110 or Mathematics 130 or two years of full-time, professional programming experience. Recommended preparation: Accounting 101 or 110. Transfer credit: CSU, UC, USC (CAN CSCI 8)

145
COBOL PROGRAMMING II
4 Units
Computer Science/Information Systems 145 is a further study of elements in COBOL, a computer language for business, stressing a structured approach. It includes such advanced techniques as file structures, report writing, table creation, sorts, data structures, data checking, and common programming problems. Lecture 3 hours, laboratory 3 hours. Prerequisite: Computer Science/Information Systems 101 or equivalent and Computer Science/Information Systems 140 or two years of full-time, professional programming experience in COBOL. Transfer credit: CSU, UC, USC

150
FORTRAN PROGRAMMING
3 Units
Computer Science/Information Systems 150 is a course in programming computers in the FORTRAN language for those who plan to be programmers or for those whose work may be related to computer applications in business, education, or industry. Lecture 3 hours, laboratory 2 hours. Prerequisite: Computer Science/Information Systems 101 or equivalent and Computer Science/Information Systems 110 or one year of full-time, professional programming experience. Note: This course may not be taken for credit by students who have completed Mathematics 130. Transfer credit: CSU, UC, USC

155
PROGRAMMING IN ADA
4 Units
Computer Science/Information Systems 155 is a course in programming in the ADA language. ADA is a modern, block structured language which is required by the U.S. Department of Defense (DOD). This course provides the necessary skills for the student to be a productive ADA programmer. Lecture 3 hours, laboratory 3 hours. Prerequisite: Computer Science/Information Systems 110 or equivalent, and Computer Science/Information Systems 130 or two years of full-time, professional programming experience using a block structured language. Transfer credit: CSU, UC, USC

156
INTRODUCTION TO EXPERT SYSTEMS
3 Units
Computer Science/Information Systems 156 presents the integration of current concepts of knowledge representation, deduction, and inference making in expert systems. This field is the most visible application of artificial intelligence. It includes a survey of current available application packages with references to programming in LISP and PROLOG. Lecture 3 hours, laboratory 1 hour. Prerequisite: Computer Science/Information Systems 101. Transfer credit: CSU
160 MICROCOMPUTER ASSEMBLY LANGUAGE
4 Units
Computer Science/Information Systems 160 offers students an introduction to programming and the basic design of software for microcomputers. It is intended to develop an understanding of the underlying principles of computer logic. Students learn to write and to modify programs to suit their needs by examining general principles that may be applied to the processor for a specific microcomputer. Lecture 3 hours, laboratory 3 hours. Prerequisite: Computer Science/Information Systems 110 or Mathematics 128 or their equivalents, or one year of full-time professional experience. Note: This course may be taken 3 times, using different software or hardware; a maximum of 12 units may be earned. Transfer credit: CSU, UC, USC

165 VAX ASSEMBLY LANGUAGE
4 Units
Computer Science/Information Systems 165 introduces the student to the world of assembly language programming using the DEC VAX computer, the most popular minicomputer in current industrial use. A detailed discussion of the language and the VAX architecture is presented. This course is intended for the computing professional and/or the serious computer student. Lecture 3 hours, laboratory 3 hours. Prerequisite: Computer Science/Information Systems 101 or equivalent, and two semesters of programming beyond Computer Science/Information Systems 110; or two years of full-time professional programming experience. Transfer credit: CSU, UC, USC

170 LARGE COMPUTER OPERATING SYSTEMS
4 Units
Computer Science/Information Systems 170 is designed to acquaint the student with the standard large scale operating system. Topics include control language, file structures, input/output techniques, virtual memory, multi-programming/processing concepts, memory allocation, security and inter-program transfer and communication. Lecture 3 hours, laboratory 3 hours. Prerequisite: Computer Science/Information Systems 101 or equivalent, and two semesters of programming beyond Computer Science/Information Systems 110; or two years of full-time professional programming experience. Note: This course is presently being taught using the VAX VMS operating system. Transfer credit: CSU, UC, USC

172 THE UNIX OPERATING SYSTEM
4 Units
Computer Science/Information Systems 172 discusses the various features of the UNIX operating system. This operating system was developed by Bell Labs and is becoming an industry standard in modern computer systems. This course is taught by using the UNIX O/S in both a Sun3 and VAX computing environment. Lecture 3 hours, laboratory 3 hours. Prerequisite: Computer Science/Information Systems 120, 130, 140 or Mathematics 130 or equivalent. Transfer credit: CSU, UC, USC

180 SYSTEMS ANALYSIS
3 Units
Computer Science/Information Systems 180 is a study of systems and procedures, design of a system, its implementation and installation, and final operation, evaluation, and modification. Includes analysis of various existing applications in business and industry. Lecture 3 hours. Prerequisite: Computer Science/Information Systems 101 or equivalent, and one of the following courses: Computer Science/Information Systems 120, 130, 140; or two years of full-time professional programming experience. Recommended preparation: Business Administration 101 and either Accounting 101, 102, or 110. Transfer credit: CSU

185 DATABASE MANAGEMENT
3 Units
Computer Science/Information Systems 185 is a course designed to acquaint the student with the elements of data base management which creates file structures to reduce the time and cost of writing programs to store and retrieve information. Topics include mass storage devices, access methods, and the relationship of files to the total system. Particular emphasis is placed on the on-line data base management system and its relationship to the operating system. Lecture 3 hours. Prerequisite: Computer Science/Information Systems 101 or equivalent, and two semesters of programming beyond Computer Science/Information Systems 110; or two years of full-time professional programming experience. Transfer credit: CSU

190 NETWORKING AND TELECOMMUNICATIONS
3 Units
Computer Science/Information Systems 190 is a course designed to acquaint the student with the essential elements of networking and telecommunications used in Local Area, Wide Area, intermediate, and Internet Network environments. Lecture 3 hours. Recommended preparation: A knowledge of the Macintosh computer and MS or IBM DOS. Transfer credit: CSU

191 INTERNET ORIENTATION
1 Unit
Computer Science/Information Systems 191 is a brief orientation to the Internet and to the facilities available at Glendale Community College. Students are introduced to the Internet, learn to use an E-Mail utility and also learn to conduct searches for information. This course satisfies the requirement for an Internet account. Lecture 2 hours, laboratory 1 hour (9 weeks). Prerequisite: None.

192 INTERNET: BEYOND THE BASICS
1 Unit
Computer Science/Information Systems 192 is an intermediate level course that enables the student to identify, analyze, and retrieve specific subject information across the Internet. Students select interest areas, exploring and evaluating a variety of resources on the Internet. Lecture 2 hours, laboratory 2 hours (9 weeks). Prerequisite: Computer Science/Information Systems 191.

195 SOFTWARE ENGINEERING
3 Units
Computer Science/Information Systems 195 presents a formal, engineering approach to the design, coding, testing, implementation, and maintenance of software. It is presented in a project oriented environment so the principles are learned through their application in software projects. Lecture 3 hours. Prerequisite: Computer Science/Information Systems 180, 130 and one other programming course; or significant professional programming experience using a block structured programming language such as C, Pascal, ADA or PL/I. Transfer credit: CSU
200 INTRODUCTION TO COMPUTER KEYBOARDING
(Also listed as Business Office Technology 200)
1 Unit
Computer Science/Information Systems 200 develops the basic skills and keyboard techniques needed to work with a computer keyboard. Accuracy is stressed because a single error may result in inputting or retrieving incorrect information or no information at all. The effect of modifier and function keys unique to the computer keyboard is reviewed. Lecture 1 hour, laboratory 3 hours (9 weeks). Recommended preparation: Eligibility for Business Office Technology 102 or equivalent. Note: This course may be taken 3 times; a maximum of 3 units may be earned for Computer Science/Information Systems 200 and/or Business Office Technology 200.

201 INTRODUCTION TO MS-DOS
1 Unit
Computer Science/Information Systems 201 is an introduction to MS-DOS and the operating system used in the IBM Personal Computer. It covers DOS commands, utilities, disk management, and managing the PC. Instruction includes both floppy and hard disk drives. No prior computer experience is necessary. Lecture 2 hours, laboratory 1 hour. (9 weeks) Prerequisite: None.

202 ADVANCED MICROCOMPUTER OPERATING SYSTEMS
1 Unit
Computer Science/Information Systems 202 is an advanced course in MS-DOS and the operating system used in the IBM Personal Computer. It covers advanced DOS commands, technical aspects of DOS, and hard disk management. Instruction includes both floppy and hard disk drives. Lecture 2 hours, laboratory 1 hour. (9 weeks) Prerequisite: Computer Science/Information Systems 201 or a working knowledge of MS-DOS.

206 MACINTOSH BASICS
1 Unit
Computer Science/Information Systems 206 provides students with a basic introduction to the Macintosh Operating System. Topics covered include the skills necessary for managing the desktop, using the mouse and pull-down menus, creating and manipulating folders, files, and windows, and other standard operations used in every Macintosh application. Lecture 2 hours, laboratory 1 hour. (9 weeks) Prerequisite: None.

208 WINDOWS BASICS
1 Unit
Computer Science/Information Systems 208 provides students with a basic introduction to the Windows environment. Topics covered include the skills necessary to manage the desktop, to use the mouse and pull-down menus, to create and manipulate folders, files, and windows, and other standard operations used in every Windows application. Lecture 2 hours, laboratory 1 hour. (9 weeks) Prerequisite: None.

210 COMPUTER OPERATIONS
3 Units
Computer Science/Information Systems 210 studies the use, operation, and capabilities of computer systems. Students learn to operate a mainframe computer and peripheral equipment, with major emphasis of scheduling, data flow, and distribution of reports and maintenance. Lecture 3 hours. Prerequisite: Computer Science/Information Systems 101 or equivalent. Recommended preparation: Accounting 101 or 110. Transfer credit: CSU.

218 INTERACTIVE MULTIMEDIA AUTHORING
(Also listed as Art 218 and Television 218)
3 Units
Computer Science/Information Systems 218 provides students with training and experience in creating interactive multimedia programs. Current industry standard software applications are employed. Primary emphasis is placed on the authoring process. Topics include Lingo scripting, interface design, navigation principles, platform development, integration of audio, video, animated and virtual reality (VR) elements, and distribution for CD-ROM, DVD, and the Internet. Students create their own multimedia CD-ROM as a final project. Lecture 2 hours, studio 4 hours. Prerequisite: Television 111 or Computer Science/Information Systems 111. Recommended preparation: Art 146, 220, and Television 101. Note: This course may not be taken for credit by students who have completed Art 218 or Television 218.

220 WORD PROCESSING FOR WRITERS
1 Unit
Computer Science/Information Systems 220 is a course designed to benefit students who are required to write essays or term papers. The course trains students in the use of a computer, enabling them to edit their writing easily and thus encourage a more finished product. It also allows instructors to demand a higher standard of writing because of the ease of implementing changes. Lecture 1 ½ hours, laboratory 1 ½ hours (8 weeks). Prerequisite: None. Note: This course may be taken 3 times; a maximum of 3 units may be earned.

230 APPLICATIONS SOFTWARE/SPREADSHEETS
1 ½ Units
Computer Science/Information Systems 230 is intended to teach the student to use a microcomputer spreadsheet program to produce practical, well-designed models of moderate complexity. The content of this course differs each time it is offered with different software package and students who repeat the course will therefore gain additional skills and knowledge. Lecture 3 hours, laboratory 1 hour (9 weeks). Recommended preparation: Eligibility for English 120, Business Administration 106 or ESL 151. Note: Students with no previous microcomputer experience are advised to take Computer Science/Information Systems 101 or 105 before taking this course. This course may be taken 4 times using different software or hardware; a maximum of 6 units may be earned.

231 APPLICATIONS SOFTWARE/ADVANCED SPREADSHEETS
1 ½ Units
Computer Science/Information Systems 231 is a continuation of Computer Science/Information Systems 230 and is intended to teach the student the use of advanced microcomputer spreadsheet software for business applications. Advanced functions and the use of macros are covered. The content of this course differs each time it is offered. Students who repeat the course gain additional skills and knowledge. Lecture 3 hours, laboratory 1 hour (9 weeks). Prerequisite: Computer Science/Information Systems 230 or equivalent. Note: This course may be taken 4 times using different software or hardware; a maximum of 6 units may be earned.
232
APPLICATIONS SOFTWARE /
DATABASE SYSTEMS
1\frac{1}{2} Units
Computer Science/Information Systems 232 is intended to teach the student the use of microcomputer database system software for business applications. Files are created, data manipulated, output formatted, and reports produced for a variety of applications. The content of this course differs each time it is offered with a different software package and students who repeat the course gain additional skills and knowledge. Lecture 3 hours. (9 weeks) Recommended preparation: Eligibility for English 120 or ESL 151. Note: Students with no previous microcomputer experience are advised to take Computer Science/Information Systems 101 or 105 before taking this course. This course may be taken 4 times using different software or hardware; a maximum of 6 units may be earned.

233
APPLICATIONS SOFTWARE /
ADVANCED DATABASE SYSTEMS
1\frac{1}{2} Units
Computer Science/Information Systems 233 is a continuation of Computer Science/Information Systems 232 and is intended to enable the student to use the structured programming language capability of database system software for the solution of complex problems. Files and menus are created, data manipulated, output formatted, complex Boolean logic employed and reports produced for a variety of applications. The content of this course differs each time it is offered with a different software package and students who repeat the course gain additional skills and knowledge. Lecture 3 hours. (9 weeks) Prerequisite: Computer Science/Information Systems 232 or equivalent experience. Note: This course may be taken 4 times using different software or hardware; a maximum of 6 units may be earned.

250
WORD PROCESSING SYSTEMS
1\frac{1}{2} Units
Computer Science/Information Systems 250 enables students to develop competency in operating a microcomputer using word processing software. Hardware used in this course will be either IBM compatible or Macintosh. Word processing software offered is WordPerfect, Microsoft Word, WordStar, etc. Skills learned in this course include basic operating system commands and the creating, editing, printing, and storing of simple documents. Lecture 5 hours. (9 weeks) Recommended preparation: Business Office Technology 200 or 205 and eligibility for Business Administration 106. (Business Office Technology 200 or 205 may be taken concurrently. Note: This course may be taken 4 times, using different software or hardware; a maximum of 6 units may be earned. Transfer credit: GSU

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COOPERATIVE EDUCATION

102
OCCUPATIONAL WORK EXPERIENCE
(See Note)
Cooperative Education 102 presents the extension of occupational learning opportunities and career awareness programs for students through employment in occupational fields for which their college majors are designed. It is applicable for benefits from the Veterans Administration. Units of credit for each class are determined on the basis of the number of hours the student works each week and the satisfactory completion of the coordinating class, which meets one hour a week as indicated in the semester schedule of classes. The worker may be a handicapped student, an unpaid supervised volunteer, or a regularly paid employee. The number of hours worked weekly are prorated as follows: five to nine hours receive one unit of credit; ten to fourteen hours receive two units of credit; fifteen to nineteen hours receive three units of credit; twenty or more hours receive four units of credit. Students may enroll for one to four units in Cooperative Education 102. A student must maintain a minimum unit load of seven or more units including Cooperative Education. No more than sixteen units may be earned during the student's life-long enrollment in a community college. In the event the worker's job is irregular or is terminated before the end of a semester, each seventy-five hours of paid work equate to one semester unit of credit if the requirements of the coordinating class are completed with a passing grade. For volunteer workers the one unit ratio is reduced to sixty hours a semester, and for handicapped workers the one unit ratio requirement is reduced to fifty hours a semester. Meeting by arrangement, with appropriate written assignments and concurrent employment of five or more hours in a job related to stated major or career goal. Weekly or monthly time sheets shall be turned in to the instructor as announced. Note*: Veterans receiving Veterans Educational Assistance required to meet weekly. Prerequisite: Be enrolled in a college program of no less than seven (7) units including Cooperative Education and concurrent employment for a minimum of five (5) hours per week. Summer Session requires at least one other class in addition to Cooperative Education. The employment must be directly related to the student's two year career college program. Note: The college is responsible for complete control of the planned program of activities and does not delegate this authority to officials of the job establishment. Units are based on the number of hours worked per week. (a) 5-9 hours = 1 unit; (b) 10-14 hours = 2 units; (c) 15-19 hours = 3 units; (d) 20 or more hours = 4 units. Credit for Summer Session is granted upon successful completion of one (1) unit for 75 hours of Cooperative Education, being enrolled in at least one other class, and meeting all other program requirements. This course may be taken 4 times. A maximum of 16 units may be earned.

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1998-99 CATALOG • GLENDALE COMMUNITY COLLEGE
113 INTERMEDIATE COSMETOLOGY
(See Note)
Cosmetology 113 is an in-depth study course designed to present a review of all requirements as set forth by the State Board of Cosmetology. Instruction in the science of permanent waving, hair coloring, and creating a hair style with further course of study in electrical facial, and electrical scalp treatments. Lecture and laboratory 25/40 hours. Prerequisite: Cosmetology 112. Students transferring from another state-approved school may enter Cosmetology 113 providing 800 hours have been completed. Note: This course may be taken 3 times; a maximum of 16 units may be earned.

114 ADVANCED COSMETOLOGY
(See Note)
Cosmetology 114 is the study and application of advanced methods of all phases of cosmetology as performed in a salon, corrective hair coloring, salon management, and preparation for the State Board Examination. Lecture and laboratory 25/40 hours. Prerequisite: Cosmetology 113. Students transferring from another state-approved school may enter Cosmetology 114 providing 1,200 hours have been completed. Note: This course may be taken 3 times; a maximum of 16 units may be earned.

111 BEGINNING FOOD PREPARATION
(Formerly Food and Nutrition Studies 111)
5 Units
Culinary Arts 111 provides an introduction and application of the principles of food preparation for the consumer by professionals. The course emphasizes high production standards, attractive service, use of proper equipment, and efficient use of time. The course also stresses food selection, food storage, food sanitation, and recipe and product evaluation. Lecture 3 hours, laboratory 6 hours. Prerequisite: None. (Culinary Arts 111 and 112 may be taken concurrently.) Transfer credit: CSU

112 ADVANCED FOOD PREPARATION
(Formerly Food and Nutrition Studies 112)
5 Units
Culinary Arts 112 is a continuation of Culinary Arts 111. It is the introduction and application of the principles of food preparation. The course emphasizes high production standards, attractive service, use of proper equipment, and efficient use of time. The course also stresses work simplification, nutrition requirements, and preparation of specialized food. Lecture 3 hours, laboratory 6 hours. Prerequisite: Culinary Arts 111 or equivalent. (Culinary Arts 111 may be taken concurrently.) Corequisite: Cooperative Education/Work Experience (2 units). Transfer credit: CSU

110 FOODS FOR MODERN LIVING
(Formerly Food and Nutrition Studies 110)
3 Units
Culinary Arts 110 offers practical, scientific, and artistic approaches to foods. Emphasis is on basic information relating to food groups. Students gain experience in planning, purchasing, and procedures of food preparation to meet individual situations. Lecture 2 hours, laboratory 3 hours. Prerequisite: None. Transfer credit: CSU

113 SANITATION AND SAFETY CONTROL
(Formerly Food and Nutrition Studies 113)
3 Units
Culinary Arts 113 studies personal cleanliness, sanitary practices in food preparation, cause, control and investigation of illness caused by food contamination. Dishwashing procedures, sanitation of kitchen equipment, storage and refrigeration procedures are investigated. Investigation of cleansing materials and use of proper disposal of garbage and refuse according to Environmental Protection Agency standards are presented. Necessary safety precautions and accident prevention to meet O.S.H.A. standards are offered. Lecture 3 hours. Prerequisite: None.
114 NUTRITION AND MENU PLANNING
(Formerly Food and Nutrition Studies 114)
3 Units
Culinary Arts 114 examines the principles of nutrition and their relation to quantity food preparation and menu planning. The course emphasizes menu planning in relation to various food customs, numerous age groups, and identified deficiency diseases applicable to quantity food production. Lecture 3 hours. **Prerequisite:** None.

115 INTRODUCTION TO THE HOSPITALITY INDUSTRY
(Formerly Food and Nutrition Studies 115)
3 Units
Culinary Arts 115 promotes the opportunity to evaluate occupational needs in the hospitality industry through study and field experience. Local, private, as well as national food service, lodging, and transportation businesses are explored. Lecture 3 hours. **Prerequisite:** None. **Transfer credit:** CSU

116 QUANTITY FOOD PURCHASING
(Formerly Food and Nutrition Studies 116)
3 Units
Culinary Arts 116 examines purchasing of food for institutions with regard to season, convenience, price, kind, and principles of storage and use. Learn to prepare purchasing schedules, inventory forms, and graphs showing seasonal variations. Lecture 3 hours. **Prerequisite:** None.

117 FOOD MANAGEMENT AND COST CONTROL
(Formerly Food and Nutrition Studies 117)
3 Units
Culinary Arts 117 is an analysis of menu planning procedures: inventories, costs, profit and loss sheets, menu work sheets, and weight and measures in quality recipes. Students learn to prepare weekly, monthly, and annual reports and determine food cost per meal, labor cost per meal, operational and total cost per meal. Lecture 3 hours. **Prerequisite:** None.

118 DIETARY HEALTH CARE
(Formerly Food and Nutrition Studies 118)
3 Units
Culinary Arts 118 is a study of the function of a health care facility dietary department, its policies, financial management and organization of the food service. Consideration is given to appropriate menus for all age groups, modified diets, terminology used, types of food service available, standards of tray and cafeteria service, uniform system of accounting, and general legal and operational problems. Lecture 3 hours. **Recommended preparation:** Eligibility for English 120 or ESL 151. **Transfer credit:** CSU, UC, USC (CAN H EC 2)

122 INTERNATIONAL COOKING
(Formerly Food and Nutrition Studies 122)
3 Units
Culinary Arts 122 is an introduction to culinary principles and techniques derived from countries throughout the world. Specific areas of instruction covered include selection of proper equipment and utensils, correct methods of preparation and procedures, food preparation and presentation are also emphasized. Lecture 3 hours. **Prerequisite:** None.

124 BASIC BAKING AND DESSERT MAKING
(Formerly Food and Nutrition Studies 124)
3 Units
Culinary Arts 124 is a professional approach to all aspects of the pastry kitchen as related to the food service industry. The course emphasizes various methods of cake preparation, as well as the basics of baking technology. The course is designed to give students enough knowledge to understand the works of the pastry kitchen and bake shop. Lecture 3 hours. **Prerequisite:** None. **Note:** This course may be taken 2 times; a maximum of 6 units may be earned.

125 ELEMENTS OF NUTRITION
(Formerly Food and Nutrition Studies 125)
3 Units
Culinary Arts 125 presents an overview of the many aspects of nutrition including problems of today, the nutritive processes of the body and dietary planning. Functions, utilization, and recommended allowances of nutrients are emphasized. Consumer education is included. Lecture 3 hours. **Recommended preparation:** Eligibility for English 120 or ESL 151. **Transfer credit:** CSU, UC, USC (CAN H EC 2)

128 NUTRITION AND PHYSICAL FITNESS
(Formerly Food and Nutrition Studies 128)
(Also listed as PE 128 and Health 128)
3 Units
Culinary Arts 128 is a course in nutrition and physical fitness. It provides the student with an overall study of the relationship between nutrition and physical fitness. The effects of nutrition on the anatomical and physiological aspects of the body are emphasized. The course also examines the production of energy from the intake of a variety of nutritional sources. The process of metabolism as a means toward energy production and physical activity is also discussed. Meal planning, basic physiology, current nutritional practices, eating disorders, weight control and athletic training are examined as they relate to the nutritional aspects of physical fitness. Lecture 3 hours. **Prerequisite:** None. **Note:** This course may not be taken for credit by students who have completed Health 128 or Physical Education 128. **Transfer credit:** CSU, UC, USC

141 NUTRITION AND WEIGHT CONTROL
(Formerly Food and Nutrition Studies 141)
2 Units
Culinary Arts 141 explores causes and control of various eating disorders: including overweight, underweight, and Bulimia (Anorexia Nervosa). The relationship of corrective dietary planning to these disorders is studied. Lecture 2 hours. **Prerequisite:** None.
**NUTRITION CONTROVERSIES**
(Formerly Food and Nutrition Studies 142)
2 Units
Culinary Arts 142 is a presentation of current nutrition and dietary controversies. Emphasis is placed on dietary planning for optimum health and disease prevention as it relates to menu planning in the food service industry. Lecture 2 hours. *Prerequisite:* None.

**RESTAURANT MANAGEMENT**
(Formerly Food and Nutrition Studies 201)
3 Units
Culinary Arts 201 covers the principles of operating a food service which are common to all types of commercial and industrial food service. The course covers such areas as sales promotion, advertising, personnel, legal aspects, insurance, labor management relations. Lecture 3 hours. *Recommended preparation:* Eligibility for English 120 or ESL 151.

**DINING ROOM SERVICES**
(Formerly Food and Nutrition Studies 207)
3 Units
Culinary Arts 207 is an introduction and application of the principles of preparing food sales and presenting service at special events and functions within the scope of the hospitality industry such as teas, receptions, weddings and banquets. The course covers the management of a dining room including good housekeeping techniques, fine food, and efficient service. Types of dining service included are: waited table service (French, Russian, American, English), limited service, counter, tray service, catering, and vending. Lecture 2 hours, laboratory 4 hours. *Recommended preparation:* Eligibility for English 120 or ESL 151.

**BEVERAGES AND WINE SERVICE**
(Formerly Food and Nutrition Studies 214)
3 Units
Culinary Arts 214 is a study of the beverage costs and use in commercial restaurants and hotels. Analysis of the operation, sales, costs and profit functions are studied. Produce information and the study of the historical background of beverages are covered. The organization of the operation of a bar, wine cellar, or catered services is studied. Lecture 3 hours. *Recommended preparation:* Eligibility for English 120 or ESL 151.

### DANCE

It is recommended that a variety of activities be taken during a student's attendance at Glendale Community College. Courses in dance satisfy the physical education requirement. The following classes do not meet the physical education requirement: Child Development 158, Dance 159. Dance classes may be taken four (4) times; a maximum of six (6) units may be earned in any one course. All classes are coeducational unless otherwise noted.

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**STEP AEROBICS**
(Also listed as Physical Education 105)
1-2½ Units
Dance 105 is a contemporary, high intensity, low impact fitness class designed for both men and women, to improve each participant's strength, flexibility, and cardiovascular fitness level through steady-state stepping movements. The student is exposed to a graduated continuous system of rhythmic stepping at various platform heights. The class includes lecture on basic nutrition, exercise concepts, and stress management as the factors apply to a personal fitness program. Class sessions include a warm-up, an exercise routine fitted to each student's level of fitness, and a cool down. Lecture ½-1½ hours, laboratory ½-3½ hours. *Prerequisite:* None. *Note:* Dance 105/Physical Education 105 may be taken 4 times; a maximum of 6 units may be earned. *Transfer credit:* CSU, UC, USC

**BALLETT TECHNIQUE I**
½-2½ Units
Dance 110 provides practical experience, through exercise and discussion, to enable the student to develop a basic knowledge of the necessary physical and mental discipline in ballet technique. Lecture ½-1½ hours, laboratory 1½-3½ hours. *Prerequisite:* None. *Transfer credit:* CSU, UC, USC

**BALLETT TECHNIQUE II**
½-2½ Units
Dance 111 provides practical experience, through exercise and discussion, to develop further a knowledge of the physical and mental discipline in ballet technique at the intermediate level. Lecture ½-1½ hours, laboratory 1½-3½ hours. *Prerequisite:* Dance 110 or equivalent. *Transfer credit:* CSU, UC, USC

**INTRODUCTION TO DANCE**
½-2½ Units
Dance 101 presents a wide variety of concrete experiences in movement relative to the acquisition of concepts for a structure of understanding of dance as an art form. Lecture ½-1½ hours, laboratory 1½-3½ hours. *Prerequisite:* None. *Transfer credit:* CSU, UC, USC

**BALLET WORKSHOP: HISTORICAL OVERVIEW**
1-2 Units
Dance 112 provides an opportunity for technical development with emphasis given to varied styles and training methods that develop performance abilities to meet the current professional demands of ballet. Emphasis is on historic and traditional forms of ballet. Lecture ½-1½ hours, laboratory ½-2½ hours. *Prerequisite:* Dance 111 or equivalent. (Dance 111 may be taken concurrently.) *Note:* No auditions are required. No more than 12 units may be earned from any combination of Dance 112, 113, or 189. *Transfer credit:* CSU, UC, USC
113 BALLET WORKSHOP: REPERTOIRE
1-2 Units
Dance 113 provides an opportunity for technical development with emphasis given to varied styles and training methods of selected contemporary choreographers. Lecture 1/2-1 hour, laboratory 1 1/2-2 hours. **Prerequisite:** Dance 111 or equivalent. (Dance 111 may be taken concurrently.) **Note:** An audition may be required. No more than 12 units may be earned from any combination of Dance 112, 113, or 189. Transfer credit: CSU, UC, USC

115 MODERN DANCE TECHNIQUE I
1/2-2 1/2 Units
Dance 115 provides an opportunity for personal development in modern dance technique. Lecture 1/2- 1 1/2 hours, laboratory 1 1/2-3 1/2 hours. **Prerequisite:** None. Transfer credit: CSU, UC, USC

116 MODERN DANCE TECHNIQUE II
1/2-2 1/2 Units
Dance 116 provides an opportunity to extend the student's knowledge of modern dance technique. It provides greater technical detail for the personal development and control of the body needed in advanced modern dance production. Lecture: 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. **Prerequisite:** Dance 115 or equivalent. Transfer credit: CSU, UC, USC

120 JAZZ TECHNIQUE I
1/2-2 1/2 Units
Dance 120 provides an opportunity to learn the functions of the body, in relationship to music; the opportunity to develop and condition the body for jazz dance; and the opportunity to meet the demand for professional dance in theatre today. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. **Prerequisite:** None. Transfer credit: CSU, UC, USC

121 JAZZ TECHNIQUE II
1/2-2 1/2 Units
Dance 121 provides an opportunity to further the student's knowledge of jazz dance; study more technical detail in the development and conditioning of the body for jazz, and to further meet the demands for professional dance in theatre today. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. **Prerequisite:** Dance 120 or equivalent. Transfer credit: CSU, UC, USC

122 JAZZ WORKSHOP: VIDEO
1/2-2 1/2 Units
Dance 122 provides an opportunity to further the student's knowledge of jazz dance, to study more technical detail in the development and conditioning of the body for jazz, to develop performance values, and to further meet the demands of current professional dance and theatre, film, and television, using current video techniques. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. **Prerequisite:** Dance 121 or equivalent. (Dance 121 may be taken concurrently.) **Note:** An audition may be required. No more than 12 units may be earned from any combination of Dance 122, 123, or 178. Transfer credit: CSU, UC, USC

123 JAZZ WORKSHOP: REPERTOIRE
1/2-2 1/2 Units
Dance 123 provides an opportunity to further the student's knowledge of jazz repertoire, to study more technical detail in the development and conditioning of the body for jazz, to develop performance values, and to further meet the demands of current professional dance. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. **Prerequisite:** Dance 121 or equivalent. (Dance 121 may be taken concurrently.) **Note:** An audition may be required. No more than 12 units may be earned from any combination of Dance 122, 123, or 178. Transfer credit: CSU, UC, USC

125 TAP DANCE
1-2 1/2 Units
Dance 125 provides students with practical experience in basic tap dance techniques. Through discussion and movement, the course emphasizes the development of coordination, rhythm, and performance skills. Students learn tap dance combinations and dances. A brief history of the development of the tap dance medium is included. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. **Prerequisite:** Dance 121 or equivalent. **Recommended preparation:** Eligibility for English 120 or ESL 151. Transfer credit: CSU

130 CHOREOGRAPHY
1/2-2 1/2 Units
Dance 130 provides the student the opportunity for further advancement in knowledge and practical movement experience in the choreographic aspect of dance as an art form. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. **Prerequisite:** Dance 101 or equivalent. Transfer credit: CSU, UC, USC

131 ARTIST-IN-RESIDENCE—SERIES
1-2 1/2 Units
Dance 131 is a course designed to give the serious student a working knowledge of dance in the entertainment industry. It provides opportunity for the further development of technical excellence and style in various commercial dance forms. It provides an inside look at film, television, and stage work. The student prepares for entrance into the commercial dance field with information about agents, auditions, unions, wardrobe, classes, and other general details needed for participating in professional dance in Los Angeles. Lecture 1/2-2 hours, laboratory 1-1/2-3 hours. **Prerequisite:** One of the following: Dance 110, 115, 120, or equivalent. **Note:** An audition may be required. No more than 12 units may be earned from any combination of Dance 131, 132, or 185. Transfer credit: CSU

132 ARTIST-IN-RESIDENCE
1-2 1/2 Units
Dance 132 is a course designed to give the serious student a working knowledge of dance in the entertainment industry. It provides opportunity for the further development of technical excellence and style in a commercial dance form through extended study with a choreographer-in-residence. Opportunity for participation in a completed choreographic presentation is provided. Lecture 1/2-2 hours, laboratory 1-1/2-3 hours. **Prerequisite:** One of the following: Dance 110, 115, 120, or equivalent. **Note:** An audition may be required. No more than 12 units may be earned from any combination of Dance 131, 132, or 185. Transfer credit: CSU

134 DANCE PRODUCTION WORKSHOP
1/2-2 1/2 Units
Dance 134 offers experience in understanding the principles that govern movement, ability to control the body as an instrument of expression, and understanding of the use of space, time, and force factors related to the basic principles that govern art forms. Lecture 1/2-1 1/2 hours, laboratory 1-1/2-3 hours. **Prerequisite:** Dance 130 or equivalent. Transfer credit: CSU, UC, USC
135 DANCE PRODUCTION—REPERTOIRE
1/2-3 Units
Dance 135 provides practical experience in utilization of knowledge and understanding of dance as an art form. Opportunity is provided for student participation in dance productions choreographed by faculty and alumni. Lecture 1/2-2 1/2 hours, laboratory 1 1/2-5 1/2 hours. Prerequisite: One of the following: Dance 112, 113, 116, 122, 123 or equivalent. Note: An audition may be required. No more than 12 units may be earned from any combination of Dance 135, 136, or 184. Transfer credit: CSU, UC, USC

136 DANCE PRODUCTION—STUDENT CHOREOGRAPHY
1/2-3 Units
Dance 136 provides practical experience in utilization of knowledge and understanding of dance as an art form. Opportunity is provided for student choreography and participation in dance productions. Lecture 1/2-2 1/2 hours, laboratory 1 1/2-5 1/2 hours. Prerequisite: One of the following: Dance 112, 113, 116, 122, 123 or equivalent. Note: An audition may be required. No more than 12 units may be earned from any combination of Dance 135, 136, or 184. Transfer credit: CSU, UC, USC

140 MOVEMENT FOR THEATRE I
1 Unit
Dance 140 provides the student the opportunity to study stage movement, physical characterization and mime as related to theatre. The students will increase their knowledge through practical application of the movement aspects of theatre. Lecture 1/2 hour, laboratory 1 1/2 hours. Prerequisite: None. Corequisite: Theatre Arts 103. Transfer credit: CSU, UC, USC

141 MOVEMENT FOR THEATRE II
1 Unit
Dance 141 provides the opportunity for advanced study of stage movement and introduces a comparison of stage, film and video movement techniques. Lecture 1/2 hour, laboratory 1 1/2 hours. Prerequisite: Dance 140 or equivalent. Corequisite: Theatre Arts 104. Transfer credit: CSU, UC, USC

145 MOVEMENT FOR MUSICAL THEATRE
1/2-2 1/2 Units
Dance 145 provides an opportunity for studying the problems of stage movement, character movement, and dance movement as related to theatre. Attention is also given to the demands placed upon the student who wishes to participate in stage performance. Lecture 1/2-1 1/2 hours, laboratory 1/2-3 1/2 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

150 PHYSICAL REINTEGRATION
1-2 1/2 Units
Dance 150 is an experimental movement class for students with learning disabilities and/or minor physical limitations. Areas covered include exploration of body image awareness and integration of sensory modalities with motor processes. Also included is orientation and relaxation with the integration of both into the student's daily life through dance movement. Lecture 1/2-1 1/2 hours, laboratory 1/2-3 1/2 hours. Prerequisite: None. Note: Verification of disability must be on file in the Disabled Student Center. Transfer credit: CSU, UC, USC

158 MOVEMENT DEVELOPMENT: BIRTH THROUGH TWELVE YEARS
(Formerly Dance 158 and 159)
(Also listed as Child Development 158)
3 Units
Dance 158 provides those students who are interested in teaching movement to children the opportunity to acquire knowledge and techniques related to motor development. The course introduces basic principles and theories of motor development in children from birth to age twelve, focusing on developing developmentally-appropriate and creative dance experiences for young children. Lecture 3 hours. Prerequisite: None. Note: Students who have completed Dance 158 or 159 and/or Child Development 158 or 159 for one and one-half units may only receive one and one-half units for this course. This course will not fulfill physical education activity requirements. Transfer credit: CSU

160 INTERNATIONAL WORKSHOP
1/2-2 1/2 Units
Dance 160 gives dance students an opportunity to learn the techniques of internationally-known dance masters. The seminar also gives students the chance to experience other cultures and interact with dance students from many nations. Tours through the host country are an integral part of this course. Opportunity is also provided for student participation in a dance performance. Lecture 1/2-3 1/2 hours, laboratory 1/2-3 1/2 hours. Prerequisite: None. Transfer credit: CSU

164 RHYTHMIC AEROBICS
(Also listed as Physical Education 164)
1/2-2 1/2 Units
Dance 164 offers vigorous exercise set to contemporary music. The course is designed for students wishing to develop or maintain aerobic fitness while also learning about the physiology of fitness. Routines of rhythmic exercise are designed to develop or maintain cardio-respiratory endurance and body flexibility. The course is designed for students at all levels of fitness. Lecture 1/2-1 1/2 hours, laboratory 1/2-3 1/2 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

171 CHOREOGRAPHY TECHNIQUES FOR SCHOOL SPIRIT LEADERS
1 Unit
Dance 171 provides an opportunity for students to gain knowledge and technical skills in the choreography and techniques of pep acts through practical application and discussion. Emphasis is placed on leadership training, personal and professional development. Lecture 1 1/2 hour, laboratory 1 1/2 hours. Prerequisite: None. Transfer credit: CSU

194 STRUCTURAL DYNAMICS AND STRETCH
(Also listed as Physical Education 194)
1/2-2 1/2 Units
Dance 194 provides practical experience through exercise in conjunction with discussion periods to enable the student to develop a knowledge of body-mind interaction in the area of athletics. The student learns how to influence and control this interaction, with regard to pain and energy flow, suppleness, relaxation, stretch and strength factors. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. Prerequisite: None. Transfer credit: CSU, UC, USC
DATA PROCESSING,  
See COMPUTER SCIENCE/INFORMATION SYSTEMS

DRAFTING

129 MACHINE TRADES BLUEPRINT READING  
2 Units
Drafting 129 is a study of the fundamentals of orthographic drawing to develop the student's ability to understand and utilize the information presented on a blueprint. Such areas as size dimensional systems, tolerancing, SI metrics, value engineering and related industrial terminology are presented to strengthen the student's ability to interpret an engineering drawing. Lecture 2 hours, laboratory 1 hour. **Recommended preparation:** Eligibility for English 120 or ESL 151. **Note:** A recommended course for basic drafting review and non-drafting majors. This course may not be taken for credit by students who have completed Drafting 132, 133, 134 or Engineering 104. **Transfer credit:** CSU

131 TECHNICAL DRAFTING  
5 Units
Drafting 131 is a basic course in drafting consisting of the techniques used in the use of instruments for technical drawing, orthographic projection and visualizing in three dimensions, revolutions, sections, primary and secondary auxiliary views, isometric drawing, types of fasteners, springs, oblique drawing, freehand drawing and sketching. Lecture 3 hours, laboratory 6 hours. **Recommended preparation:** Eligibility for English 120 or ESL 151. **Note:** Students must register for the full number of hours for which the course is scheduled. **Transfer credit:** CSU

132 TECHNICAL DRAFTING AND DIMENSIONAL TOLERANCING  
5 Units
Drafting 132 is a course in advanced drafting specializing in tolerancing, dimensional systems, SI metrics, military standards, and true positional tolerancing. Emphasis is placed upon individual and group design efforts in piping, structural and mechanical design projects. Lecture 3 hours, laboratory 6 hours. **Recommended preparation:** Eligibility for English 120 or ESL 151. **Note:** Students must register for the full number of hours for which the course is scheduled. **Transfer credit:** CSU

133 ELECTRO-MECHANICAL PACKAGING AND DESIGN  
5 Units
Drafting 133 is a course in electromechanical packaging. Specializing in electronic drafting, printed circuit design, basic packaging, cabling and military standards. Emphasis is placed on the actual design and construction of various electronic packages in both individual and group design projects. Lecture 3 hours, laboratory 6 hours. **Prerequisite:** Drafting 132. **Note:** Students must register for the full number of hours for which the course is scheduled. **Transfer credit:** CSU

134 ADVANCED MECHANICAL PACKAGE DESIGN  
5 Units
Drafting 134 is a course in tool design and strength of materials and advanced electromechanical packaging. Emphasis is placed on various individual and group design projects, covering piping, fixture design, package design, and mechanical design. Students are responsible for the complete design, drawings and all related paper work for each project. Lecture 3 hours, laboratory 6 hours. **Prerequisite:** Drafting 133. **Note:** Students must register for the full number of hours for which the course is scheduled. **Transfer credit:** CSU

140 ADVANCED COMPUTER-AIDED DRAFTING AND DESIGN  
3 Units
Drafting 140 is an advanced course in computer-aided drafting and design. Advanced operational applications will be presented which will enable the student to create standard electronic and mechanical component files. Tooling design, flat pattern development, exploded assembly drawings and isometric drawing will be presented in the course. Lecture 2 hours, laboratory 4 hours. **Prerequisite:** Drafting 132 or Engineering 104, and Engineering 103 and Drafting 141 or equivalent college level courses or equivalent industrial experience. **Note:** This course may be taken 2 times; a maximum of 6 units may be earned. **Transfer credit:** CSU

141 FUNDAMENTALS OF COMPUTER-AIDED DRAFTING AND DESIGN  
3 Units
Drafting 141 is an introductory course in Computer-Aided Drafting and Design systems. Fundamental operational applications will be presented which will enable the students to expand their knowledge of Computer Graphics into other course structures which will require further knowledge as part of their course of instruction. Lecture 2 hours, laboratory 4 hours. **Prerequisite:** Drafting 131 or Engineering 101 or Architecture 101 or 191. **Transfer credit:** CSU

203 COMPUTER PATTERNS MAKING AND GRAZING  
(Also listed as Fashion Design Merchandising 203)  
2 Units
Drafting 203 introduces the digitizing of pattern shapes used in the apparel manufacturing industry. Original patterns are designed for an apparel related group. Patterns are graded up and down in size by creating a grade scale. A lay-out marker is created. Lecture 1 hours, laboratory 3 hours. **Recommended preparation:** Fashion Design Marketing 103 or equivalent, and eligibility for English 120 or ESL 151. **Note:** This course may not be taken for credit by students who have completed Fashion 203. This course may be taken 2 times; a maximum of 4 units may be earned.

ECONOMICS

101 PRINCIPLES OF MICROECONOMICS  
3 Units
Economics 101 is a fundamental course in microeconomic analysis. It covers price theory, economic scarcity, consumer behavior, market equilibrium and disequilibrium, production costs, theory of the firm, market structures and income distribution. Other optional topics include the history of economic thought, externalities, market failure, international economics. The course emphasizes analytical problem solving and mathematic methods wherever possible. Lecture 3 hours. **Prerequisite:** Economics 102. **Transfer credit:** CSU, UC, USC (CAN ECON 4)
102
PRINCIPLES OF MACROECONOMICS
3 Units
Economics 102 is a fundamental course in economic analysis. Emphasis is placed on theories of output determination, consumption, investment, inflation, unemployment, and fiscal and monetary policy. Other selected topics may include international balance of payments, growth and development, and urban problems. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC (CAN ECON 2)

105
THE AMERICAN ECONOMY
3 Units
Economics 105 provides an introduction to the American economy, a foundation for understanding it and the problems that it faces. The course provides a description of the important institutions of our system and an analytical approach to the understanding of the basic economic problems generally suited for non-business majors. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: No credit will be granted for Economics 105 if Economics 101 and 102 have been taken previously. Transfer credit: CSU, UC, USC

107
INTRODUCTION TO STATISTICS
(Also listed as Political Science 107, Psychology 107, Sociology 107)
3 Units
Economics 107 is an introduction to the theory of probability and the methodology of statistical analysis. Methods of classifying and describing natural events in quantitative terms are considered. The course emphasizes both descriptive and inferential techniques of analyzing scientific data. Lecture 3 hours. Recommended preparation: Mathematics 141 or one year of high school algebra or equivalent and eligibility for English 101. Note: A maximum of three units may be earned for Economics 107, Political Science 107, Psychology 107, Sociology 107, or Mathematics 136. Transfer credit: CSU

111
ECONOMIC HISTORY OF THE UNITED STATES
(Also listed as History 116)
3 Units
Economics 111 is a history of the economic development of the United States from its settlement to the present. Emphasis is placed on the growth and development of economic institutions, slavery, reconstruction, work, the industrial revolution, workers' movement, and U.S. imperialism. This course meets the California State requirement in American History. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may not be taken for credit by students who have completed History 116. Transfer credit: CSU, UC, USC

EDUCATIONAL MEDIA TECHNOLOGY

103
MEDIA EQUIPMENT OPERATION AND TECHNIQUES
3 Units
Educational Media Technology 103 is an introduction to the operating principles and utilization of media equipment, materials, and facilities. Students gain hands-on experience as technician trainees by participating in laboratory experience in the Media Services Department where they learn to operate and maintain such media equipment as public address systems, record players, tape recorders, projectors, cameras and other instructional materials. Lecture 2, laboratory 4 hours. Prerequisite: None.

EGYPTIAN HIEROGLYPHS

101
BEGINNING HIEROGLYPHS
3 Units
Egyptian Hieroglyphs 101 presents the fundamentals of hieroglyphic writing and Egyptian grammar. The aim of the course is to train students in the reading and writing of simple hieroglyphs. The course includes reading, translation of simple ancient Egyptian prose as well as exercises to illustrate each new point of grammar. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU

102
BEGINNING HIEROGLYPHS
3 Units
Egyptian Hieroglyphs 102 presents the fundamentals of hieroglyphic writing and Egyptian grammar. The aim of the course is to train students in the reading and writing of simple hieroglyphs. The course includes reading, translation of simple ancient Egyptian prose as well as exercises to illustrate each new point of grammar. Lecture 3 hours. Prerequisite: Egyptian Hieroglyphs 101. Transfer credit: CSU

ELECTRONICS AND COMPUTER TECHNOLOGY

100
TECHNICAL MATHEMATICS FOR ELECTRONICS
3 Units
Electronics and Computer Technology 100 is designed to offer the student a comprehensive study in the mathematics specifically used in the electronics and computer technology field. Phases covered include application of algebra, DC circuit analysis, AC fundamentals, simultaneous equations, AC circuit analysis, complex numbers, logarithms, and computer number systems. Lecture 3 hours. Prerequisite: None.

101
ELECTRONICS CIRCUITS I (DC)
4 Units
Electronics and Computer Technology 101 offers a modern approach to electronics theory that is more compatible with the needs of industry. The study of DC theory and principles are integrated with computer-assisted problems using BASIC programming language. The use of matrices to solve elementary problems is introduced. Fundamental theorems are developed in lecture and put into practice in the laboratory. The laboratory develops the basic skills needed in using meters, power supplies, along with wiring and assembling DC circuits. Lecture 3 hours, laboratory 3 hours. Prerequisite: None. Recommended preparation: Mathematics 101 or equivalent and eligibility for English 120 or ESL 151. Transfer credit: CSU
102 ELECTRONICS CIRCUITS II (AC)  
4 Units  
Electronics and Computer Technology 102 is an extension of the principles of DC electronics applied to AC circuit problems. The extension of BASIC programming is used to solve complex AC circuits. The laboratory further develops equipment skills, introducing the use of oscilloscopes and signal generators. Lecture 3 hours, laboratory 3 hours. **Prerequisite:** Electronics and Computer Technology 101 or equivalent. **Transfer credit:** CSU

103 INTRODUCTION TO DIGITAL LOGIC  
4 Units  
Electronics and Computer Technology 103 is an introduction to digital systems, number systems, Boolean Algebra, logic techniques, logic gates, multivibrator circuits, counters, multivibrators, programming and codes. Construction and development of TTL logic, using integrated circuits. Lecture 3 hours, laboratory 3 hours. **Prerequisite:** None. **Recommended preparation:** Mathematics 145 or equivalent and eligibility for English 120 or ESL 151. **Transfer credit:** CSU

104 INTRODUCTION TO MICROPROCESSORS  
4 Units  
Electronics and Computer Technology 104 introduces the characteristics, architecture, and operation of microprocessors, introducing peripheral interfacing techniques. Lab develops skills in microprocessor peripheral interfacing and assembly language programming. Lecture 3 hours, laboratory 3 hours. **Prerequisite:** Electronics and Computer Technology 103 or equivalent. **Transfer credit:** CSU

106 FUNDAMENTALS OF ELECTRONICS I  
4 Units  
Electronics and Computer Technology 106 presents a basic course in a one-year program to develop the skills and knowledge necessary for qualification as an entry-level electronics technician. The course introduces the fundamentals of electronics Direct Current (DC) resistive and Alternating Current (AC) reactive principles and circuits. Students gain practical hands-on experience in constructing and analyzing electronic circuits in laboratory experiments, using state-of-the-art electronic test equipment. Lecture 3 hours, laboratory 3 hours. **Recommended preparation:** Eligibility for English 120 or ESL 151. Completion of, or concurrent enrollment in Mathematics 145 or equivalent.

107 FUNDAMENTALS OF ELECTRONICS II  
4 Units  
Electronics and Computer Technology 107 continues the study of Electronics and Computer Technology 106. Electronics and Computer Technology 107 presents the study of electronics principles and circuits in a one-year program to develop the skills and knowledge necessary to qualify as an entry-level electronics technician. This course discusses and analyzes solid-state components and circuits, including diodes, bipolar junction and field effect transistors, integrated circuits, and their applications. Hands-on laboratory work in constructing and testing solid-state circuits is emphasized. **Prerequisite:** Electronics and Computer Technology 106.

110 BASIC ELECTRICITY—ELECTRONICS  
4 Units  
Electronics and Computer Technology 110 presents a survey of the basic principles of electronics (for non-electronics majors). It is designed to provide the students with an understanding of the basic principles of electronics circuits and their applications. Lecture 3 hours, laboratory 3 hours. **Prerequisite:** None. **Recommended preparation:** Mathematics 145 or equivalent and eligibility for English 120 or ESL 151. **Note:** This course may not be taken for credit by students who have completed Electronics and Computer Technology 101 and/or 102.

112 MICROCOMPUTER TROUBLESHOOTING AND REPAIR  
4 Units  
Electronics and Computer Technology 112 is a course designed to give the student a comprehensive foundation in the methods of microcomputer repair at the board as well as the component level. Also included in this course are the methods and operation of related test equipment, computer diagnostics and component failure analysis. This course emphasizes hands-on experience with practical applications. Lecture 3 hours, laboratory 3 hours. **Prerequisite:** None. **Recommended preparation:** Electronics and Computer Technology 103 and 110. **Note:** This course may be taken 2 times; a maximum of 8 units may be earned.

113 HIGH-RELIABILITY SOLDER, WIRE WRAP, AND PRINTED CIRCUIT BOARD REWORK AND REPAIR TECHNOLOGY  
4 Units  
Electronics and Computer Technology 113 is a comprehensive course providing functional training in the concepts of high-reliability soldering, solder extraction, and electronics component removal/replacement, including terminal interconnections using wire-wrap techniques, and specialized high-technology industrial equipment. This course also embraces rework, repair, and modification of electronic printed circuit boards. Additionally, automated industrial wave solder processes are studied. Laboratory work emphasizes hands-on experience in detailed applications using specialized industrial work stations, and automated industrial wave solder processes equipment. Lecture 3 hours, laboratory 3 hours. **Prerequisite:** None. **Note:** This course may be taken 2 times; a maximum of 8 units may be earned. Students who have taken Electronics and Computer Technology 111 will receive only 2 units of credit for Electronics and Computer Technology 113.

124 INTRODUCTION TO MICROPROCESSORS—DIGITAL TECHNOLOGY  
4 Units  
Electronics and Computer Technology 124 introduces the characteristics, architecture, and operation of 8-bit microprocessors. This course also introduces assembly language programming and peripheral interfacing techniques of single board computers. Practical labs reinforce skills in programming and interfacing techniques. Lecture 3 hours, laboratory 3 hours. **Prerequisite:** Electronics and Computer Technology 103 or equivalent. **Note:** This course may not be taken for credit by students who have completed Electronics and Computer Technology 104 and 203.
201 SOLID STATE DEVICES
4 Units
Electronics and Computer Technology 201 encompasses the study of Solid-State semiconductor theory, including diode rectifiers, filtered power supplies, transistor and FET amplifiers, IC oscillators, and thyristor devices. Laboratory experiments consist of constructing solid-state circuits, and performing circuit analysis and diagnostics of electronic parameters using state-of-the-art digital electronic test equipment. Lecture 3 hours, laboratory 3 hours. Prerequisite: Electronics and Computer Technology 102 or equivalent. Transfer credit: CSU

202 INTEGRATED CIRCUIT ELECTRONICS
4 Units
Electronics and Computer Technology 202 is a comprehensive study of integrated circuit (IC) electronics technology. Lab develops skills in constructing, testing, and analyzing operational amplifier, differentiator and integrator, voltage and current regulator, oscillator and function generator, active filter, converter, and phase-lock loop IC circuits, using advanced electronics test equipment. Lecture 3 hours, laboratory 3 hours. Prerequisite: Electronics and Computer Technology 201 or equivalent. Transfer credit: CSU

203 MICROCOMPUTER TECHNOLOGY I
4 Units
Electronics and Computer Technology 203 presents the basic principles of microcomputer integrated circuit technology. It is designed to provide the student with an understanding of the basic principles of integrated circuit microprocessor technology and its applications in 8-bit computers. Lecture 3 hours, laboratory 3 hours. Prerequisite: Electronics and Computer Technology 104 or equivalent. Transfer credit: CSU

204 MICROCOMPUTER TECHNOLOGY II
4 Units
Electronics and Computer Technology 204 is a continuation of Electronics 203. Principles of integrated circuits, microcomputers, mnemonics, interfacing, and application are covered, emphasizing 16-bit and 32-bit computers. Lecture 3 hours, laboratory 3 hours. Prerequisite: Electronics and Computer Technology 203 or equivalent. Transfer credit: CSU

210 ELECTRONICS INSTRUMENTS AND MEASUREMENTS
4 Units
Electronics and Computer Technology 210 is a comprehensive study of the theory of electrical and electronic measurement instruments, including analog and digital meters, oscilloscopes, generators, electronic counters, and impedance bridge networks. Precision measurements and the application of electronic printed circuits are emphasized in the laboratories. Laboratory 3 hours, lecture 3 hours. Prerequisite: None. Recommended preparation: Electronics and Computer Technology 110 or equivalent. Transfer credit: CSU

212 ADVANCED MICROCOMPUTER REPAIR TECHNOLOGIES
4 Units
Electronics and Computer Technology 212 teaches the student the methods of troubleshooting and repairing advanced microcomputer systems. Specific areas of concentration include network hardware for both IBM and Apple systems. Some emphasis on network software, such as Novell and X.25, is placed on troubleshooting and repairing of the systems. Lab experiences consist of diagnosis and repair of computer systems at campus locations, or during lab experience. Lecture 3 hours, laboratory 3 hours. Prerequisite: Electronics and Computer Technology 112.

223 COMMUNICATIONS SYSTEMS
(Formerly Electronics and Computer Technology 222)
2 Units
Electronics and Computer Technology 223 is a comprehensive study of electronic communication systems, from the fundamentals of radio frequency (RF) circuits to complex space-age technology. Specific areas of concentration in this course include RF theory, devices, circuits, and systems; including oscillators, amplifiers, modulators, AM and FM techniques, data communications, and satellite communications. Laboratory experiments deal with RF circuit/system analysis and instrumentation applications, including microcomputer simulation. Lecture 3 hours, laboratory 3 hours (9 weeks). Prerequisite: Electronics and Computer Technology 210. Note: A maximum of 4 units may be earned from any combination of Electronics and Computer Technology 222, 223, or 224.

224 OPTO-ELECTRONICS
(Formerly Electronics and Computer Technology 222)
2 Units
Electronics and Computer Technology 224 introduces students to the theory and application of opto-electronic devices and systems. Specific areas of concentration include physical properties of light and optics, LEDs, LASER technology, fiber optics, and holograms. Laboratory experiments are designed to provide students with the opportunity to build, test, and analyze opto-electronic devices and system applications. Lecture 3 hours, laboratory 3 hours (9 weeks). Prerequisite: Electronics and Computer Technology 201. Note: A maximum of 4 units may be earned from any combination of Electronics and Computer Technology 222, 223, or 224.

225 ADVANCED MICROCOMPUTER AND NETWORK TROUBLESHOOTING
4 Units
Electronics and Computer Technology 225 is an advanced course that reinforces content presented in Electronics and Computer Technology 212 and 214 by discussing current Windows and Macintosh operating systems. This course also introduces laser printer troubleshooting and repair. As an added component this course prepares students for the A+ professional computer technician certification examination. Lecture 3 hours, laboratory 3 hours. Prerequisite: Electronics and Computer Technology 112 and 212 or equivalent.

EMERGENCY MEDICAL TECHNOLOGY
See Nursing

ENGINEERING

100 INTRODUCTION TO ENGINEERING
3 Units
Engineering 100 introduces students to the profession and disciplines of engineering and the engineering design process. Instruction includes computer skills and communication strategies utilized in engineering. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU
ENGLISH COURSE SEQUENCE

COMPOSITION COURSES
English 187 — 1 unit
Basic English Lab
Non-Degree Applicable

English 189 — 3 units
Writing Workshop I
Non-Degree Applicable

English 191 — 4 units
Writing Workshop II
Non-Degree Applicable

English 120 — 3 units
Composition and Reading
Degree Applicable

English 101 — 3 units
Freshman English
Transfer to UC & CSU

English 102 — 3 units
Critical Thinking and Literary Analysis
Transfer to UC & CSU

English 104 — 3 units
Critical Thinking and Argumentation
Transfer to UC & CSU

READING COURSES
English 186 — 1 unit
Basic Reading Lab
Non-Degree Applicable

English 188 — 3 units
Intro. to Academic Reading
Non-Degree Applicable

English 190 — 3 units
Intermediate Academic Reading
Non-Degree Applicable

English 192 — 3 units
Advanced College Reading
Degree Applicable

LITERATURE COURSES
Transfer to UC & CSU
English 103
Creative Writing

English 105 & 106
British Survey

English 107 & 108
20th Century Poetry

English 109 & 110
World Literature

English 111
Women in Literature

English 112
Screenwriting

English 114
Intro. to Poetry

English 115
Intro. to Fiction

English 116
Intro. to Drama

English 117
Film as Literature

English 122 & 123
American Survey

English 124
Contemporary Fiction

English 125
Shakespeare

English 126
The Modern Drama

English 127
Children's Literature

English 128
Bible as Literature

English 130
Science Fiction

NOTE: Eligibility for English 101 is recommended or required for all literature classes except English 107 and 108.

CONCURRENT ENROLLMENT REQUIRED
REQUIRED
101 ENGINEERING DRAWING
3 Units
Engineering 101 is an in-depth study course designed to present training in the manipulation of instruments, lettering, orthographic projection, sketching, drawing auxiliary and pictorial views, sectioning and dimensioning. Lecture 2 hours, laboratory 4 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU

103 DESCRIPTIVE GEOMETRY
3 Units
Engineering 103 presents a study of a valuable engineering tool which facilitates the solution of engineering problems graphically. A study of lines and planes in space. The representation of surfaces, solids, interfences, and intersections. Excellent training in visualization and interpretation of engineering drawings. Lecture 2 hours, laboratory 4 hours. Prerequisite: Architecture 101 or Drafting 131 or Engineering 101 or one year of mechanical drawing in high school. Note: This course may not be taken for credit by students who have completed Architecture 103. Transfer credit: CSU, UC, USC.

104 ADVANCED ENGINEERING DRAWING
3 Units
Engineering 104 is designed to acquaint the trainee with delineation of simple machine parts including problems in visualization, dimensioning and tolerances, screw threads and fasteners, freehand sketching, pictorial drawing, piping, welding, gears and cams, assembly and working drawings. Special emphasis is laid upon the interpretation and production of drawings which conform to standard practice. Lecture 2 hours, laboratory 4 hours. Prerequisite: Engineering 101 or Drafting 131 or one year of mechanical drawing in high school. Transfer credit: CSU, UC, USC.

105 GEOMETRIC/DIMENSIONAL AND TRUE POSITIONAL TOLERANCING
3 Units
Engineering 105 presents current geometric/dimensional and true positional tolerancing (GD&T) trends and industrial usage throughout various engineering disciplines. Both ANSI Y14.5M and ASTM Y14.5G6M are presented with an emphasis on the latest issue of the standard. Lecture 3 hours. Prerequisite: None. Recommended preparation: Engineering 101 or related industry experience and eligibility for English 120 or ESL 151.

130 ELECTRICAL/ELECTRONICS DRAWING
(Formerly Drafting 130)
2 Units
Engineering 130 is primarily intended for the student majoring in Electronics Computer Technology (ECT). It provides an introduction to the fundamentals of drafting and technical drawing with specific applications to ECT standards and devices. Students who satisfactorily complete this course are considered to have acquired the minimum drafting skills necessary for entry-level ECT technicians. Lecture 2 hours, laboratory 1 hour. Recommended preparation: Drafting 129 or equivalent. Note: This course may be taken 5 times; a maximum of 9 units may be earned. Transfer credit: CSU, UC, USC (CAN ENGL 6)

104 CRITICAL THINKING AND ARGUMENTATION
3 Units
English 104 is designed to be a continuation of English 101. Consequently, the primary focus of the course is instruction in writing. In addition, students learn to read and think critically and to develop their analytical and argumentative writing skills. The course takes students beyond the level of English 101 by providing a more advanced understanding of the relationship of language to logic and by further promoting the ability to reason effectively and reach valid conclusions. Writing forms and strategies are taught within the contexts of contemporary ideas and cultural diversity as reflected in selected readings. Lecture 3 hours. Prerequisite: English 101. Transfer credit: CSU, UC, USC.

105 SURVEY OF ENGLISH LITERATURE FROM THE ANGLO-SAXON PERIOD TO 1780
3 Units
English 105 is a survey course covering the development of English literature from the beginning to 1780 and emphasizing the development of thought in relation to historical and social backgrounds. Lecture 3 hours. Prerequisite: Eligibility for English 101. Transfer credit: CSU, UC, USC (CAN ENGL 8)

106 SURVEY OF ENGLISH LITERATURE FROM 1780 TO THE PRESENT TIME
3 Units
English 106 is a survey course covering the development of English literature from 1780 to the present time. English 106 continues to study the development of thought as an expression of our cultural heritage. Lecture 3 hours. Prerequisite: Eligibility for English 101. Transfer credit: CSU, UC, USC (CAN ENGL 10)
107 TWENTIETH CENTURY POETRY I
3 Units
English 107 consists of an historical orientation to twentieth century poetry a discussion of the significant poets to approximately mid-century, and an intensive study of the most important modernist and contemporary poets of this period. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

108 TWENTIETH CENTURY POETRY II
3 Units
English 108 consists of a historical orientation to twentieth century poetry from about mid-century to the present. The course examines the influences of modernist poets on contemporary English and American poetry, including the innovations of Russian, European, and Latin-American poets. An in-depth study of the major poets of this period emphasizes the development of new trends in response to aesthetic and cultural changes in society. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

109 INTRODUCTION TO LITERATURE OF THE WESTERN WORLD
3 Units
English 109 is a survey of the literature of the Western World from ancient times to the Renaissance. It includes selections from the Old and New Testaments; Celtic, Germanic, Norse, and French mythologies; and representative works from the Middle Ages and the Renaissance. Emphasis is placed on the Greek and Roman classics. Lecture 3 hours. Prerequisite: Eligibility for English 101. Transfer credit: CSU, UC, USC

110 INTRODUCTION TO LITERATURE OF THE WESTERN WORLD
3 Units
English 110 is a survey of the literature of the Western World from the Enlightenment to the present time. Emphasis is placed on the cultural history and history of important ideas reflected in the literary works, as well as the development of literary techniques and style. Lecture 3 hours. Prerequisite: Eligibility for English 101. Transfer credit: CSU, UC, USC

111 WOMEN IN LITERATURE
3 Units
English 111 is a comparative study of the roles assigned to women in literature by both male and female authors. The course critically examines the literary and cultural stereotypes of women in the short story, novel, poetry, and drama. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC

112 SCREENWRITING
3 Units
English 112 is a basic course in the principles and practice of writing for movies and television. Emphasis is placed upon the essentials of structure, characterization, and format as required by this type of writing. Students must complete a finished script by the end of the course. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Note: This course may be taken 3 times; a maximum of 9 units may be earned. Transfer credit: CSU

113 AN INTRODUCTION TO LIBRARY RESOURCES AND RESEARCH METHODS
1 Unit
English 113 offers an introduction to using libraries and doing research. It provides practical experience with traditional and computerized means of determining and evaluating a research topic, locating information, gathering data, evaluating sources, and formulating search strategies. The student participates in a sequence of tutorial-style modules and laboratory exercises. Laboratory 3 hours. Prerequisite: None. Transfer credit: CSU, UC

114 INTRODUCTION TO POETRY
3 Units
English 114 consists of an introduction to the basic structural, stylistic, and thematic elements of poetry with emphasis on the major poets and their contribution to the craft. An analysis of poetic techniques allows students to compare and contrast the development of various forms of poetry including traditional and experimental verse. Lecture 3 hours. Prerequisite: Eligibility for English 101. Transfer credit: CSU, UC, USC

115 INTRODUCTION TO FICTION
3 Units
English 115 introduces students to a variety of structural and stylistic elements, critical concepts, and themes that help them analyze and appreciate works of fiction. Students are encouraged to express their interpretations of readings in classroom discussions, and they learn and practice effective methods of writing about works of fiction. Lecture 3 hours. Prerequisite: Eligibility for English 101. Transfer credit: CSU, UC, USC

116 INTRODUCTION TO DRAMA
3 Units
English 116 is an historical survey of drama as a genre from the Classical period to the present day. The course introduces students to the elements of drama, and emphasizes class analysis or representative plays from selected periods. Students are encouraged to express their interpretations of plays and write critical papers about dramatic works. Lecture 3 hours. Prerequisite: Eligibility for English 101. Transfer credit: CSU, UC, USC

117 FILM AS LITERATURE
3 Units
English 117 is the study of film as literature from thematic, cultural, historical, and aesthetic perspectives. Students are encouraged to incorporate analytical perspectives from literary and film criticism into discussion and written work. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC

118 ANALYTICAL READING
3 Units
English 118 provides students with the techniques to analyze and critically evaluate written and oral communication, to make logical judgments about that material, and to reach independent conclusions on the views and ideas that have been presented. Lecture 3 hours. Prerequisite: Eligibility for English 101. Transfer credit: CSU
120 COMPOSITION AND READING
3 Units
English 120 is designed for the student who wants to prepare for the writing required in college classes. The course emphasizes practice in the writing of thesis-based essays and the critical analysis of selected prose works dealing with important contemporary ideas. English 120 provides practice in the mechanics, style, and organization of paragraphs and essays. It satisfies the Associate degree writing requirement and is a prerequisite for English 101, a composition course required for all four-year schools. Lecture 3 hours. Prerequisite: English 191 (4 units) or placement based on a composite of test scores and academic background. Recommended preparation: English 192. (English 192 may be taken concurrently.) Note: This course may not be taken for credit by students who have completed English 101 or Business Administration 106 and allows 2 units of credit to those who have completed Business Office Technology 102.

121 READING LITERATURE
3 Units
English 121 is designed to introduce students to the major forms of creative literature - short story, novel, drama, and poetry written by the best modern authors and poets. The course is planned to develop a greater appreciation and understanding of the literature of our time, with special emphasis on the literary expression of contemporary issues. It is designed for the non-English major and for the student planning to earn an Associate in Arts degree. Lecture 3 hours. Prerequisite: Eligibility for English 120 or ESL 151.

122 AMERICAN LITERATURE TO 1865
3 Units
English 122 is designed to give the student a generous sample of the works of major American writers from Colonial days to the Civil War, and to relate these works to the history of ideas. Important historical movements are traced so that students may gain increased understanding of America's heritage. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC (CAN ENGL 14)

123 AMERICAN LITERATURE FROM 1865 TO THE PRESENT
3 Units
English 123 is designed to give a generous sample of the works of major American writers from the Civil War to the present day. The course is intended to enrich the student's understanding of selected major American works. The important literary movements, with their sociological implications, are traced so that the student can acquire a background for critical judgment of contemporary American writing. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC (CAN ENGL 16)

124 CONTEMPORARY LITERATURE
3 Units
English 124 is an introduction to representative literature after World War II, focusing on fiction, drama and poetry. The course explores recent advances in technology, multicultural diversity, and gender equity, plus other artistic, political and cultural developments and how these changes have affected contemporary literature; emphasis is on American authors, including recent immigrants. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC

125 SHAKESPEARE
3 Units
English 125 is an introduction to the works of Shakespeare. The course is focused on a close study of Shakespeare's major plays. It also provides a background and insights into the Elizabethan world so that the student may more fully understand and appreciate Shakespeare's writings. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC

126 THE MODERN DRAMA
3 Units
English 126 is a survey of modern plays and playwrights. Representative works of European and American dramatists are read with special attention given to the literary and sociological importance of plays written since 1870. Also considered are important developments in stagecraft and theatre construction which have had an influence on the playwrights. The aim of the course is to enable students to recognize differing views of human problems as dramatized by a wide variety of playwrights in the last one hundred years and to encourage objective, analytical judgments of literary excellence. Lecture 3 hours. Prerequisite: Eligibility for English 101. Transfer credit: CSU, UC, USC

127 CHILDREN'S LITERATURE
3 Units
English 127 is designed to develop the ability of students to select and use literature with children. As students read and discuss a broad range of children's literature, including both prose and poetry, they develop standards for judging children's literature and determining the appropriateness of a given literary work for an individual child. Students practice story-telling techniques and prepare activities to help children appreciate literature and grow through exposure to it. Lecture 3 hours. Prerequisite: Eligibility for English 120 or ESL 151. Transfer credit: CSU

128 THE BIBLE AS LITERATURE
3 Units
English 128 is a general introduction to the Bible: its characters, recurrent themes, images and symbols. The course presents information regarding the literary divisions, the language, and text of each book as well as its composition, authorship, date, and contents. Attention is given to literary, historical, geographical, archaeological, and theological matters, including the formation of the canon, modern approaches to biblical study, and principal English versions of the Scriptures. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC
130 SCIENCE FICTION LITERATURE
3 Units
English 130 is a survey of science fiction from the late 19th Century to the present, concentrating on 20th Century writers. Students read, analyze, and discuss the history of science fiction, major themes, genres (short story, novels, drama, poetry), media (radio, cinema, television), fandom (clubs, fan publications, conventions), and the function of science fiction as a literary form that reflects human concern with solving or escaping problems in an increasingly scientific and technological age. Lecture 3 hours. Recommended preparation: English 101. Transfer credit: CSU, UC, USC

131 TECHNICAL ENGLISH
3 Units
English 131 is a course designed especially for students taking technical education courses. It stresses training in technical writing, including the related skills of grammar usage, sentence and paragraph structure, and spelling. A major emphasis in writing is placed on practical types of communication, such as brief memos and summaries, and detailed formal reports and proposals. It also includes other forms of expository writing, such as refining paragraph structure, sentence style, and diction. Lecture 3 hours. Prerequisite: Eligibility for English 120 or ESL 151. Note: This course may not be taken for credit by students who have completed English 101 or English 120, or Business Administration 106.

150 READING SKILL BUILDING FOR ADULTS WITH LEARNING DISABILITIES
2 Units
Non-Degree Applicable
English 150 is designed for the learning disabled adult with disorders in processing written information or with dyslexia. The course provides exposure to and practice in reading skills appropriate to the student's demonstrated strengths and weaknesses. Lecture 2 hours, laboratory 1 hour. Prerequisite: None. Note: This course may be taken 4 times; a maximum of 8 units may be earned.

151 DEVELOPING FUNDAMENTAL WRITING SKILLS FOR ADULTS WITH LEARNING DISABILITIES
2 Units
Non-Degree Applicable
English 151 is designed to provide the learning disabled student with skills in the areas of sentence construction, syntax, language development, and an understanding of the relationship between correct oral and written English communication. Lecture 2 hours, laboratory 1 hour. Prerequisite: None. Note: This course may be taken 4 times; a maximum of 8 units may be earned.

152 WRITING AND READING STRATEGIES
2 Units
Non-Degree Applicable
English 152 is designed for students with learning disabilities who are enrolled in mainstream English classes. Students learn a variety of multi-sensory approaches to writing and reading in order to improve their management of written language. Lecture 2 hours, laboratory 2 hours. Corequisite: Concurrent enrollment in English 140, 150, 190, 191, 192, or 190.

155 VOCABULARY BUILDING I
1 Unit
Non-Degree Applicable
English 155 is a course designed to help Title 5 eligible students increase their basic vocabulary comprehension and usage. Through class discussion, written assignments, and computer aided laboratory assignments, students enhance their basic vocabulary. Lecture 2 hours, laboratory 1 hour. (9 weeks) Prerequisite: None. Note: This course may be taken 4 times; a maximum of 4 units may be earned.

156 VOCABULARY BUILDING II
1 Unit
Non-Degree Applicable
English 156 is a continuation of English 155 and is designed to help Title 5 eligible students increase their course related vocabulary comprehension and usage. Through class discussion, written assignments, and computer aided laboratory assignments, students enhance their technical vocabulary. Lecture 2 hours, laboratory 1 hour. (9 weeks) Prerequisite: None. Note: This course may be taken 4 times; a maximum of 4 units may be earned.

157 ESSENTIAL SPELLING SKILLS
1 Unit
Non-Degree Applicable
English 157 is a course designed to improve spelling proficiency with special emphasis on developing practical spelling techniques. Lecture 2 hours, laboratory 1 hour. Prerequisite: None. Note: This course may be taken 4 times; a maximum of 4 units may be earned.

181 BASIC COMMUNICATION-SPELLING
1 Unit
Non-Degree Applicable
English 181 is a course specifically for the community college student who lacks basic spelling skills. It is a practical see, hear, and write approach to spelling the words of a basic and everyday vocabulary. Its emphasis is on the world of work; its method is based on programmed learning techniques as assisted by audio coaching. Diagnostic testing locates specific weaknesses and prescribes a program to meet these needs. Credit to be awarded upon completion of all the modules. Laboratory 3 hours. Prerequisite: None

182 BASIC COMMUNICATION-VOCABULARY
1 Unit
Non-Degree Applicable
English 182 is designed to help students develop a wide variety of vocabulary skills. The modular system allows students to work on one skill at a time and to work first on the skills they need the most. The audio-tutorial format allows students to work individually, progressing at their own rate and reviewing a topic as many times as necessary to achieve full understanding and mastery of it. Credit is awarded upon completion of all the modules. Laboratory 3 hours. Prerequisite: None.

183 BASIC COMMUNICATION-GRAMMAR
1 Unit
Non-Degree Applicable
English 183 is designed to provide the student with the basic background and skills necessary for recognizing and remedying frequently made grammatical errors. This course, which is individualized, self-paced, interactive, and audio tutorial, introduces the student to basic English constructions and sentence-level writing problems. Credit is awarded upon completion of all the modules. Laboratory 3 hours. Prerequisite: None.
184 BASIC SPELLING  
1 Unit  
NON-DEGREE APPLICABLE  
English 184 is designed for students who need to practice spelling English words the way they sound. Students practice spelling both short and longer words in English. The course focuses on sound-letter relationships, taking into account the factors of position, environment, and stress. In other words, students learn to predict the letter or combination of letters that will most likely be used to spell each English sound at the beginning, middle, and end of English syllables or words. Lecture 1 hour. Prerequisite: None.

185 ADVANCED SPELLING  
1 Unit  
NON-DEGREE APPLICABLE  
English 185 is designed for students who spell words the way they sound, but who need practice in applying more complex spelling generalizations, and in spelling longer words or words that do not follow these generalizations. The course reviews sound-letter relationships, but focuses on the changes that take place in words as they change form or part of speech. Context, history, and meaning are emphasized as ways to predict the correct spelling of English words. Lecture 1 hour. Prerequisite: None.

186 BASIC READING LABORATORY  
1 Unit  
NON-DEGREE APPLICABLE  
English 186 is an individualized course of study designed to improve a student’s English reading skills. The course covers reading techniques, vocabulary development, and comprehension and analysis skills. Laboratory 3 hours. Prerequisite: Placement is based on a composite of test scores and academic background.

187 BASIC ENGLISH LABORATORY  
1 Unit  
NON-DEGREE APPLICABLE  
English 187 is an individualized course of study designed to improve a student’s English writing skills. The course covers the basics of sentence and paragraph composition, including an introduction to mechanics, grammar, spelling, and paragraph form. Laboratory 3 hours. Prerequisite: Placement is based on a composite of test scores and academic background and completion of English 186 (English 186 may be taken concurrently).

188 INTRODUCTION TO ACADEMIC READING  
1-3 Units  
NON-DEGREE APPLICABLE  
English 188 is a reading course designed for students who need to improve their basic skills. Various word attack skills are covered, including phonics, word analysis through the study of prefixes and word roots, and the use of context clues. Methods to improve comprehension are covered. Students are grouped into ability levels and organized into study sessions. There is extensive use of computer assisted instruction to drill vocabulary and practice skills covered in class. This is a credit/no credit course. Lecture 3 hours, laboratory 1 hour. Prerequisite: Placement is based on a composite of test scores and academic background. English 188 must be taken prior to or concurrently with English 189. Note: This course may be taken 3 times; a maximum of 3 units may be earned.

189 WRITING WORKSHOP I  
1-3 Units  
NON-DEGREE APPLICABLE  
English 189 is designed for students who need to practice writing clear sentences and paragraphs in standard English. The course is a writing workshop. It involves the students actively in reading, writing, discussing, and re-writing. Individualized computer lessons provide tutorials and practice in the grammar and mechanics of writing. Word processors help students plan, write, check, and revise what they have written. The course helps students increase their familiarity with the style, form and structures of written English and improves their ability to compose and edit sentences and paragraphs in English. Lecture 3 hours, laboratory 2 hours. Prerequisite: Placement is based on a composite of test scores and academic background. Concurrent enrollment in or satisfactory completion of English 188 is required. Note: This course may be taken 3 times; a maximum of 3 units may be earned.

190 INTERMEDIATE ACADEMIC READING  
1-3 Units  
NON-DEGREE APPLICABLE  
English 190 is a reading course designed for students who wish to improve their college reading skills. Various textbook study methods are covered, as are memory improvement, vocabulary building through the study of prefixes and roots, and the use of context clues. Some basic word attack skills are reviewed, but the emphasis of the course is on strengthening higher level reading comprehension as well as improving critical reading. Methods to improve literal and inferential comprehension are covered. Lecture 3 hours, laboratory 1 hour. Prerequisite: Placement is based on a composite of test scores and academic background. English 190 must be taken prior to or concurrently with English 191. Note: This course may be taken 3 times; a maximum of 3 units may be earned.

191 WRITING WORKSHOP II  
1-4 Units  
NON-DEGREE APPLICABLE  
English 191 is designed for students who need to practice writing more thoughtful and well-organized short compositions in standard English. Conducted as a writing workshop, the class also involves reading, and discussion of articles, stories and possibly longer works. Individualized computer lessons provide tutorials and practice in the grammar and mechanics of writing. Word processors help students plan, write, check, and revise what they have written. The course helps students increase their familiarity with the style, form and organizational format of written English and improves their ability to compose, edit, and revise sentences, paragraphs, and short compositions. Lecture 4 hours, laboratory 2 hours. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of English 189. Concurrent enrollment in or satisfactory completion of English 190 is required. Note: This course may be taken 4 times; a maximum of 4 units may be earned. All 4 units must be satisfactorily completed to advance to English 120.
CREDIT ESL COURSE SEQUENCE

GRAMMAR & COMPOSITION COURSES
- ESL 111 LEVEL 1
  - ESL 121 & 122 or ESL 123 Intensive LEVEL 2
    - ESL 131 & 132 or ESL 133 Intensive LEVEL 3
      - ESL 141 LEVEL 4
        - ESL 151 LEVEL 5
          - English 101 Freshman Composition

LISTENING & SPEAKING COURSES
- ESL 115 LEVEL 1
  - ESL 125 or ESL 125 Intensive LEVEL 2
    - ESL 135 or ESL 135 Intensive LEVEL 3
      - ESL 145 LEVEL 4
        - ESL 155 LEVEL 5
          - Speech 101

READING COURSES
- ESL 116 LEVEL 1
  - ESL 126 LEVEL 2
    - ESL 136 LEVEL 3
      - ESL 146 LEVEL 4

VOCABULARY DEVELOPMENT
- ESL 117 LEVEL 1
  - ESL 127 LEVEL 2

It is recommended that students enroll in grammar and writing, listening and speaking, and reading classes in the same semester. Placement in the Credit ESL course sequence is based on a composite of test scores and academic background.
ENGLISH AS A SECOND LANGUAGE

111
GRAMMAR AND WRITING 1
3 Units
NON-DEGREE APPLICABLE
English as a Second Language 111 is designed for students at the beginning level of English. This course provides instruction in vocabulary, basic sentence structure, and simple reading and writing. Students write short paragraphs with correct punctuation and spelling. They practice idiomatic expressions used in writing and discuss cultural differences to help them adapt more quickly to college life in the United States. Lecture 5 hours, laboratory 1 hour. Prerequisite: Placement is based on a composite of test scores and academic background. Recommended prerequisite: Concurrent enrollment in an appropriate ESL listening and speaking course and a reading course.

115
LISTENING AND SPEAKING 1
3 Units
NON-DEGREE APPLICABLE
English as a Second Language 115 is designed for students who cannot communicate effectively even in the most basic situations on the community college campus. Dialogues are presented, and students participate in role plays of campus-related situations in class and on the campus at large. Clear speaking, listening, and pronunciation are stressed in classroom drills and activities. Laboratory assignments may be made by the instructor based on individual student needs. Lecture 5 hours, laboratory 1 hour. Prerequisite: Placement is based on a composite of test scores and academic background. Recommended preparation: Concurrent enrollment in an ESL grammar and writing course. Note: The course grade will be "credit" or "no credit." There will be no letter grades for ESL 115.

116
READING AND VOCABULARY FOR ESL I STUDENTS
3 Units
NON-DEGREE APPLICABLE
English as a Second Language 116 is designed to help beginning ESL students read simple passages. The course places heavy emphasis on basic vocabulary development and dictionary skills. Students study the relationships between sounds and spelling, and practice using various reading strategies to increase their reading comprehension. Lecture 3 hours, laboratory 1 hour. Prerequisite: Placement is based on a composite of test scores and academic background. Recommended preparation: Concurrent enrollment in an appropriate ESL listening and speaking course and an ESL grammar and writing course and a reading course. Note: The course grade will be "credit" or "no credit." There will be no letter grades for ESL 116.

117
LISTENING COMPREHENSION & VOCABULARY DEVELOPMENT
3 Units
NON-DEGREE APPLICABLE
English as a Second Language 117 is a telecourse designed to help beginning ESL students improve their listening comprehension skills and vocabulary development. Students view videos specifically designed for this level and do listening comprehension and vocabulary development exercises in a workbook written to match the videotapes. Students participate in additional drills and activities assigned by the instructor. Lecture 5 hours. Prerequisite: Placement is based on a composite of test scores and academic background. Recommended preparation: Concurrent enrollment in an appropriate ESL grammar and writing course and a reading course. Note: This course may not be taken for credit by students who have completed ESL 125. The course grade will be "Credit" or "No Credit." There will be no letter grades for ESL 117.
121 GRAMMAR AND WRITING II-FIRST HALF
2 Units
English as a Second Language 121 is designed for students at the low intermediate level of English. This course focuses on grammar, reading, and composition. Students write one-paragraph compositions. Special emphasis is placed on the acquisition of vocabulary, idioms, and structures appropriate for writing. The course stresses the correct use of a variety of grammatical structures and verb tenses within short paragraphs. Lecture 5 hours, laboratory 1 hour. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 111. Recommended preparation: Concurrent enrollment in an appropriate ESL listening and speaking course and a reading course. Transfer credit: UC, USC

122 GRAMMAR AND WRITING II—SECOND HALF
2 Units
English as a Second Language 122 is designed for students at the low intermediate level of English. This course focuses on grammar, reading, and composition. Students write one- to two-paragraph compositions. Special emphasis is placed on the acquisition of vocabulary, idioms, and structures appropriate for writing. The course stresses the correct use of a variety of grammatical structures and verb tenses within compositions. Lecture 5 hours, laboratory 1 hour. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 121. Recommended preparation: Concurrent enrollment in an appropriate ESL listening and speaking course and a reading course. Transfer credit: UC, USC

123 GRAMMAR AND WRITING II
4 Units
English as a Second Language 123 is designed for students at the low intermediate level of English. This course focuses on grammar, reading, and composition. Students write one- to two paragraph compositions. Special emphasis is placed on the acquisition of vocabulary, idioms, and structures appropriate for writing. The course stresses the correct use of a variety of grammatical structures and verb tenses within compositions. Lecture 5 hours, laboratory 1 hour. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 111. Recommended preparation: Concurrent enrollment in an appropriate ESL listening and speaking course and a reading course. Transfer credit: UC, USC

125 LISTENING AND SPEAKING II
2 Units
NON-DEGREE APPLICABLE
English as a Second Language 125 presents listening comprehension strategies as well as practice in the pronunciation of individual sounds, word and sentence stress, and intonation patterns. Oral communication skills are strengthened through such activities as dialogues and role playing, as well as pair, group, and class discussion. Both formal and informal vocabulary and idioms are taught and tested. Lecture 4 hours, laboratory 1 hour. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 115. Recommended preparation: Concurrent enrollment in an appropriate ESL grammar and writing course and a reading course.

126 READING AND VOCABULARY FOR ESL II STUDENTS
3 Units
English as a Second Language 126 is designed to help lower-intermediate ESL students read academic materials. The course emphasizes vocabulary development by inferring meaning from context and by understanding affixes. Reading skills are practiced on passages from various fields, and a complete work is read. Lecture 3 hours, laboratory 1 hour. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 116. ESL 121 (or 123) must be taken prior to or concurrently with ESL 126. Recommended preparation: Concurrent enrollment in an appropriate ESL listening and speaking course and an ESL grammar and writing course.

127 LISTENING COMPREHENSION & VOCABULARY DEVELOPMENT II
3 Units
NON-DEGREE APPLICABLE
English as a Second Language 127 is a telecourse designed to help high-beginning to intermediate ESL students improve their listening comprehension skills and vocabulary development. Students view videos specifically designed for this level and do listening comprehension and vocabulary development exercises in a workbook written to match the videotapes. Students participate in additional drills and activities assigned by the instructor. Lecture 5 hours. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 117. Recommended preparation: Concurrent enrollment in an appropriate ESL grammar and writing course and a reading course. Note: This course may not be taken for credit by students who have completed ESL 135. The course grade will be "Credit" or "No Credit." There will be no letter grades for ESL 127.
132 GRAMMAR AND WRITING III—SECOND HALF
2 Units
English as a Second Language 132 is designed for students at the high intermediate level of English. The course focuses on grammar, controlled composition, and reading. Students study increasingly complex grammatical structures and incorporate these structures into essays of three to five paragraphs in length (approximately 300 words). Lecture 5 hours, laboratory 1 hour. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 125. Recommended preparation: Concurrent enrollment in an appropriate ESL grammar and writing course and a reading course. Transfer credit: CSU, UC, USC

133 GRAMMAR AND WRITING III
4 Units
English as a Second Language 133 is designed for students at the high intermediate level of English. The course focuses on grammar, controlled composition, and reading. Students study increasingly complex grammatical structures and incorporate these structures into essays of three to five paragraphs in length (approximately 300 words). Lecture 5 hours, laboratory 1 hour. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 122 or 123. Recommended preparation: Concurrent enrollment in an appropriate ESL listening and speaking course and a reading course. Transfer credit: CSU, UC, USC

135 LISTENING AND SPEAKING III
2 Units
English as a Second Language 135 stresses listening comprehension as well as oral communication by means of reports, short speeches, and small group and class discussion of high-interest topics. The standard pronunciation of individual sounds, as well as stress and intonation patterns are presented, drilled and tested. The students will study formal and informal idioms and vocabulary to improve their ability to communicate orally. Some work is done to correct the problems of individual students. In addition, laboratory assignments may be made based on individual student needs. Lecture 4 hours, laboratory 1 hour. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 125. Recommended preparation: Concurrent enrollment in an appropriate ESL grammar and writing course and a reading course. Transfer credit: CSU

136 READING AND VOCABULARY FOR ESL III STUDENTS
3 Units
English as a Second Language 136 is designed to encourage intermediate ESL students to read extensively and promote English language proficiency and reading skills. Students read complete works of fiction and non-fiction, determine what questions those works raise, and discuss and write about their understanding of the texts. Lecture 3 hours, laboratory 1 hour. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 126, ESL 131 or 133 must be taken prior to or concurrently with ESL 136. Recommended preparation: Concurrent enrollment in an appropriate ESL listening and speaking course and in an ESL grammar and writing course. Transfer credit: CSU

141 GRAMMAR AND WRITING IV
4 Units
English as a Second Language 141 is designed for students at the advanced level of grammar and writing. Critical analysis of academic reading materials encourages independent thinking and the expression of informed opinion. Compositions are written in response to readings and discussions and become the vehicle for showing the ability to use advanced grammatical structures of English. Lecture 5 hours, laboratory 1 hour. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 132 or 133. Recommended preparation: Concurrent enrollment in an appropriate ESL listening and speaking course and in an appropriate reading course. Transfer credit: CSU, UC, USC

145 LISTENING AND SPEAKING IV
2 Units
English as a Second Language 145 stresses fluency and clarity in delivery of speeches as well as in various communicative activities. These may involve the preparation and presentation of reports, summaries, and persuasive speeches. Students are exhorted to use the vocabulary and grammatical structures appropriate to formal settings. Culturally appropriate subtleties such as body language are reviewed in order to maximize the efficacy of communication. Listening comprehension and lecture note-taking skills are practiced and evaluated. Lecture 3 hours, laboratory 1 hour. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 135. Recommended preparation: It is strongly recommended that a student be concurrently enrolled in an ESL grammar and writing class at the 131 level or higher. Note: This course is taught at a level of vocabulary equivalent to ESL 141. Transfer credit: CSU

146 READING AND VOCABULARY FOR ESL IV STUDENTS
3 Units
English as a Second Language 146 is designed to encourage advanced ESL students to read extensively and to promote English language proficiency and reading skills. Students read complete works on related topics, analyze what questions those works raise, and discuss and write about their understanding of the texts. Students are asked to read texts from content courses or from literature. Lecture 3 hours, laboratory 1 hour. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 136. ESL 141 must be taken prior to or concurrently with ESL 146. Recommended preparation: Concurrent enrollment in an appropriate ESL listening and speaking course and in an appropriate ESL grammar and writing course. Note: In addition to regular class hours, students must spend one hour a week in the laboratory. Transfer credit: CSU
151 READING AND COMPOSITION V
4 Units
English as a Second Language 151 is designed for non-native students who are proficient in English and are able to compete with native students in most college courses except those that may require essay exams. The course gives students extensive practice in rhetorical modes of exposition and argument. It emphasizes analytical and expository writing at the essay level, as well as critical reading, and gives students practice in writing essay examinations. The course stresses both organization and in-depth essay development. Students work to eliminate weaknesses in syntax, idiomatic usage, and grammar. Library research techniques are introduced and a short research paper is completed. Lecture 4 hours, laboratory 1 hour. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 141. Recommended preparation: Concurrent enrollment in an appropriate ESL listening and speaking course. Transfer credit: CSU, UC, USC

155 LISTENING AND SPEAKING V
2 Units
English as a Second Language 155 concentrates on reducing foreign accents in the speech of otherwise articulate non-native students. Intensive practice in the production of individual sounds, rhythm, stress, intonation, phraseology helps students communicate more effectively and helps prepare them for upper division ESL phonetics courses. Students learn to use formal diction by making oral presentations and participating in class debates. They practice expressive speaking, appropriate facial expressions, and hand and body gestures. Laboratory assignments may be made at the discretion of the instructor. Lecture 3 hours, laboratory 1 hour. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of ESL 145. Recommended preparation: It is strongly recommended that a student be concurrently enrolled in an ESL grammar and writing class at the 141 level or higher. Transfer credit: CSU

177 ENGLISH FOR SPECIAL PURPOSES
2 Units
Non-degree applicable
English as a Second Language 177 is designed to familiarize vocational education students with the terminology used in individual vocational training programs. Students learn effective notetaking techniques and study the idiomatic expressions and basic introductory material needed for them to understand and complete entry level course work. Lecture 2 hours, laboratory 1 hour. Prerequisite: ESL 123 or equivalent or a satisfactory score on the Glendale Community College ESL Placement Test. Recommended preparation: Concurrent enrollment in an appropriate ESL listening and speaking course, ESL grammar and writing course, and a reading course.

110 CONTEMPORARY ETHNIC WOMEN
3 Units
Ethnic Studies 110 is a survey of the contemporary status of ethnic women in North American society. This course makes relevant cross-cultural comparisons using contemporary issues and their relation to the ethnic women of today. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

111 EUROPEAN IMMIGRANTS IN AMERICA, 1776 TO PRESENT
3 Units
Ethnic Studies 111 is a survey course which examines the history and experiences of European immigrants in America from the late eighteenth century to the present. The course examines the immigration process itself, consider specific groups (British, Irish, German, Italian, Polish, Jewish, Greek, etc.) assess the reaction to immigration by white Americans, and evaluate the contribution made by European immigrants to American society. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

101 LATIN AMERICAN CULTURAL EXPRESSION
3 Units
Ethnic Studies 101 surveys the cultural background that has shaped the present Latin American societies. The course analyzes such areas as: society culture, the psychology of the Latin American, city and rural life styles, religion, women, education and the role of the university, the artists and their role in politics, cultural imperialism, music and artistic expression, Latin American cinema, art in revolutionary societies, new song movement. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

102 LATINOS IN THE UNITED STATES
3 Units
Ethnic Studies 102 surveys the social, political, economic and cultural development and experience of the various Latin Americans in the United States. The survey includes the following groups: Mexicans, Puerto Ricans, Cubans and other Carribeans, Central and South Americans. The course also analyzes the contributions made by the Latin Americans to the economic development of the North American society. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

122 INTRODUCTION TO ASIAN AMERICAN CULTURE
3 Units
Ethnic Studies 122 is a survey course which will introduce students to the special elements unique to Asian culture. This course also focuses on the various dilemmas faced by Asian Americans as their respective cultural "roots" come into contact with the cultural values of the dominant society. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

124 JAPANESE EXPERIENCE IN AMERICA
3 Units
Ethnic Studies 124 is an in-depth survey of the history of Japanese immigrants and their descendants in America from the 19th century to the present. The course is designed to meet the needs of students who wish to more fully understand the experience of the Japanese immigrants and their descendants in America. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC
132 THE AFRICAN AMERICAN EXPERIENCE IN THE UNITED STATES
3 Units
Ethnic Studies 132 surveys the African American experience in the United States. It traces the role and contributions of African American people in the development of the United States. The course includes such major topics as: the slave trade, the Revolutionary War and Civil War, the development of African American communities and culture, as well as contemporary African American issues. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC.

164 THE ARMENIAN DIASPORA
3 Units
Ethnic Studies 164 examines the development of the Armenian Diaspora from the abandonment of the Armenian Question by the United States and the European Powers in 1923, to the unfolding of current events that are critically affecting the Armenian case today. The course focuses on: the growing Armenian-American community; Armenian emigration from the Middle East and Soviet Armenia; pressures of assimilation in the U.S.; activities of community organizations toward preserving Armenian culture; current Armenian affairs and U.S. foreign policy. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC.

FAVOR DESIGN MERCHANDISING

100 FASHION DESIGN FUNDAMENTALS
1 Unit
Fashion Design Merchandising 100 contains an in-depth study of elements and principles of fashion design. It is designed to enable the student to demonstrate proficiency in the knowledge and application of the elements and principles of design with an emphasis on the fashion figure, costume design, and fashion identification. Lecture 1 hour. Prerequisite: None. Transfer credit: CSU

101 ORIENTATION TO FASHION TERMINOLOGY
1 Unit
Fashion Design Merchandising 101 acquaints students with language used in the fashion industry both in correspondence and in procedures. Lecture 1 hour. Prerequisite: None.

102 INTRODUCTION TO TEXTILES (Formerly Clothing and Textiles 105)
3 Units
Fashion Design Merchandising 102 includes a study of sources and characteristics of man-made and natural fibers. Students study the processes used in the manufacture and finishing of textile materials. Students of fashion design and those training for employment in industry analyze current information regarding trends in the field of textiles. Lecture 3 hours. Prerequisite: Eligibility for English 120 or ESL 151. Note: This course may not be taken for credit by students who have completed Clothing & Textiles 105. Transfer credit: CSU, UC

103 FLAT PATTERN CLOTHING DESIGN I
2 Units
Fashion Design Merchandising 103 gives students with prior experience in clothing construction the opportunity for individual expression in design, using flat pattern methods. This course presents the skills necessary to make a block pattern from standard measurements initially, and then from individual measurements, and to apply the knowledge gained to various types of patterns used in the women's apparel trade. Lecture 1 hour, laboratory 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU

104 FLAT PATTERN CLOTHING DESIGN II
2 Units
Fashion Design Merchandising 104 is the extension of garment design basics using previously created patterns. The course includes information and demonstrates skills necessary to develop crotch patterns for both adults and children. Use of individual and commercial patterns demonstrates computer digitizing methods in order to accomplish block pattern modifications. Lecture 1 hour, laboratory 3 hours. Prerequisite: Fashion Design Merchandising 103. Recommended preparation: Eligibility for English 120 or ESL 151.

110 FASHION INDUSTRY
3 Units
Fashion Design Merchandising 110 examines the history, development and scope of the national and international fashion industry. The course investigates processes and career opportunities in fashion design, production, wholesaling, retailing, and promotion. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU

112 APPAREL PRODUCT ANALYSIS
2 Units
Fashion Design Merchandising 112 analyzes and compares the latest industry construction techniques and computer equipment utilized in the development of women's apparel. Lecture 1 hour, laboratory 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU

123 FASHION ILLUSTRATION
2 Units
Fashion Design Merchandising 123 presents the development of a fashion figure including design concepts. Using various media, students develop skills necessary to render the figure in costume detail, including various fabrics and other embellishments. Lecture 2 hours, laboratory 1 hour. Prerequisite: None. Note: This course may be taken 2 times, a maximum of 4 units may be earned.

168 FASHION MERCHANDISING (Formerly Fashion 125) (Also listed as Business Administration 168)
3 Units
Fashion Design Merchandising 168 is a study of principles of fashion merchandising. It includes a study of fashion retailers, apparel producers, and manufacturers. Lecture 3 hours. Prerequisite: None. Note: This course may not be taken for credit by students who have completed Fashion/Marketing 125 or Business Administration 168. Transfer credit: CSU

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203
COMPUTER PATTERN MAKING AND
GRADING
(Also listed as Drafting 203)
2 Units
Fashion Design Merchandising 203 introduces the digitizing of pattern shapes used in the apparel manufacturing industry. Original patterns are designed for an apparel related grouping. Patterns are graded up and down in size by creating a grade scale. A lay-out marker is created. Lecture 1 hour, laboratory 3 hours. Recommended preparation: Fashion Design Merchandising 103 or equivalent, and eligibility for English 120 or ESL 151. Note: This course may not be taken for credit by students who have completed Drafting 203. This course may be taken 2 times; a maximum of 4 units may be earned.

208
CULTURE, PEOPLE, AND DRESS
3 Units
Fashion Design Merchandising 208 studies the interrelatedness of socio-psychological, economic and political/religious influences on fashion in the historical perspective. Students perform cross-cultural analyses and interpret Western and non-Western clothing behavior. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU

213
COMPUTER PATTERN DESIGN
2 Units
Fashion Design Merchandising 213 presents current window based computer-aided pattern design (CAD) software for pattern design in apparel manufacturing. Lecture 1 hour, laboratory 3 hours. Prerequisite: Fashion Design Merchandising 103. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

216
COMPUTER GRADING AND
MARKING
2 Units
Fashion Design Merchandising 216 presents current windows based computer-aided design (CAD) software for grading and marking in apparel manufacturing. Lecture 1 hour, laboratory 3 hours. Prerequisite: Fashion Design Merchandising 103. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may be taken 3 times; a maximum of 6 units may be earned.

COSTUME CONSTRUCTION
See Theatre Arts 123

TEXTILES
See Fashion Design
Merchandising

FIRE TECHNOLOGY
Clases in Fire Technology are offered for students interested in preparing for careers in fire prevention and fire fighting. The course also provides in-service and upgrading instruction for fire fighting personnel. A certificate of completion may be earned.

101
INTRODUCTION TO FIRE
PROTECTION AND SUPPRESSION
½-3 Units
Fire Technology 101 is a study to understand the philosophy and history of fire protection; history of loss of life and property by fire; review of municipal fire defenses; study of the organization and function of Federal, State, and County, and private fire protection agencies; and survey of professional fire protection career opportunities. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

103
FUNDAMENTALS OF FIRE
PREVENTION
½-3 Units
Fire Technology 103 continues to present organization and function of the fire prevention organizations; inspection; surveying and mapping procedures; recognition of fire hazards; engineering a solution to the hazard; enforcement of the solution; public relations as affected by fire prevention. Lecture 3 hours. Prerequisite: Fire Technology 101 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

104
FIRE FIGHTING TACTICS AND
STRATEGY
½-3 Units
Fire Technology 104 presents the review of fire chemistry, equipment, and personnel; basic fire fighting tactics and strategy; methods of attack; pre-planning fire problems. Review of related codes and ordinances. Lecture 3 hours. Prerequisite: Fire Technology 101 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

105
FIRE PROTECTION EQUIPMENT AND
SYSTEMS
½-3 Units
Fire Technology 105 presents the methods, techniques and practical application of portable fire extinguishing equipment; sprinkler systems; protection systems for special hazards; and fire alarm and detection systems. Lecture 3 hours. Prerequisite: Fire Technology 101 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

107
FIRE HYdraulics
½-3 Units
Fire Technology 107 is designed for review of basic mathematics; hydraulic laws and formulas as applied to the fire service; application of formulas and mental calculation to hydraulic problems; water supply problems; underwriters' requirements for pumps. Lecture 3 hours. Prerequisite: Fire Technology 101 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

108
FIRE APPARATUS AND EQUIPMENT
½-3 Units
Fire Technology 108 covers the general technical knowledge of driving laws, driving techniques, construction, and operation of pumping engines, ladder trucks, aerial platforms, specialized equipment, and apparatus maintenance. Lecture 3 hours. Prerequisite: Fire Technology 101 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

109
RESCUE PRACTICES
½-3 Units
Fire Technology 109 offers instruction in rescue practices, the human body, emergency care of victims, childbirth, artificial respiration, toxic gases, chemicals and diseases, radioactive hazards, rescue problems and techniques. Lecture 3 hours. Prerequisite: Fire Technology 101 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU
110  FIRE COMPANY ORGANIZATION AND PROCEDURE  ½–3 Units
Fire Technology 110 consists of the review of fire department organization; fire company organization; the company officer; personnel administration; communications; fire equipment; maintenance; training; fire prevention; fire fighting, company fire fighting capability; records and reports; supervision and leadership techniques. Lecture 3 hours. Prerequisite: Fire Technology 101 and 103 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

111  FIRE INVESTIGATION  ½–3 Units
Fire Technology 111 offers an introduction to arson and incendiariism, arson laws, and types of incendiary fires. Methods of determining fire cause, recognizing and preserving evidence, interviewing and detaining witnesses. Procedures in handling juveniles; court procedure and giving court testimony. Lecture 3 hours. Prerequisite: Fire Technology 101 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

112  WILDLAND FIRE CONTROL  ½–3 Units
Fire Technology 112 is designed to provide the employed firefighter or fire science major with a fundamental knowledge of the factors affecting wildland fire prevention, fire behavior, and control techniques. Lecture 3 hours. Prerequisite: Fire Technology 101 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

114  HAZARDOUS MATERIALS  ½–3 Units
Fire Technology 114 is an introduction to basic fire chemistry and physics. This course covers problems of flammability as encountered by fire-fighters when dealing with toxic substances, fuels, explosives, oxidizers and radioactive materials. It also covers fire fighting practices pertaining to hazardous materials in storage and transit. Lecture 1½–3 hours. Prerequisite: Fire Technology 101 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

115  BUILDING CONSTRUCTION  3 Units
Fire Technology 115 investigates 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, preparing fire operations, and operating at fires. The development and evolution of building and fire codes are studied in relationship to past fires in residential, commercial, and industrial occupancies. Lecture 3 hours. Prerequisite: Fire Technology 101. Transfer credit: CSU

150  FIRE SERVICE INSTRUCTOR TRAINING I  2 Units
Fire Technology 150 offers students the basic methods and techniques employed by fire service personnel to select, develop, and organize material for in-service training programs, evaluation, application of principles of learning through practice demonstration. Lecture 36 semester hours. Prerequisite: Fire Technology 110 and 115 or employment in a related occupation.

151  FIRE SERVICE INSTRUCTOR TRAINING II  2 Units
Fire Technology 151 provides fire service personnel with a variety of methods and techniques for training others in accordance with the latest concepts in vocational education. Lecture 36 semester hours. Prerequisite: Fire Technology 150 or equivalent. Note: This course will be offered in various time segments depending upon scheduling needs.

FOOD AND NUTRITION STUDIES
See Culinary Arts

FRENCH

101  BEGINNING FRENCH I  5 Units
French 101 presents the fundamentals of French grammar. The students are trained to pronounce correctly, to acquire a small working vocabulary which they use in conversation and writing, and to learn to read simple French. In addition to the regular class hours, the student must spend one hour a week in the laboratory. Lecture 5 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: Not open to students with oral proficiency or who have attended schools where French was the language of instruction. Transfer credit: CSU, UC, USC (CAN FREN 2)

102  BEGINNING FRENCH II  5 Units
French 102 continues to present the fundamentals of French grammar. It trains further in correct pronunciation, and presents more difficult elementary prose. The discussions in French will stress the correct use of verbs and idioms and efficient methods of vocabulary building. In addition to the regular class hours, the student must spend one hour a week in the laboratory. Lecture 5 hours. Prerequisite: French 101 or two years of French in high school completed within the past two years, or equiv. Transfer credit: CSU, UC, USC (CAN FREN 4)

103  INTERMEDIATE FRENCH I  4 Units
French 103 completes the presentation of French grammar, stressing correct dictation and efficient methods of vocabulary building. In addition to the regular class hours, the student must spend one hour a week in the language laboratory. Lecture 4 hours. Prerequisite: French 102 or three years of French in high school completed within the past two years, or equiv. Transfer credit: CSU, UC, USC (CAN FREN 8)
104 INTERMEDIATE FRENCH II
4 Units
French 104 reviews the fundamentals of French grammar. It continues to stress correct diction and efficient methods of vocabulary building. Students will read intermediate French prose of increasing difficulty and engage in conversation and composition with emphasis on critical thinking. They will evaluate aspects of their own and French culture in the new medium of the French language. Lecture 4 hours. Prerequisite: French 103 or four years of French in high school completed within the past two years, or equivalent. Transfer credit: CSU, UC, USC (CAN FREN 10)

105 CONVERSATIONAL FRENCH
3 Units
French 105 is an intensive practice in oral expression and comprehension of spoken French. Lecture 3 hours. Prerequisite: French 102 or three years of French in high school, or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU, UC, USC

106 ADVANCED CONVERSATIONAL FRENCH
3 Units
French 106 is designed for those students who wish to sharpen their ability to articulate in French issues that go beyond concrete descriptions into the area of ideas. Lecture 3 hours. Prerequisite: French 105 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU, UC, USC

110 BASIC CONVERSATIONAL FRENCH I
3 Units
French 110 is an introduction to French with emphasis on developing essential skills in communication. The verbal active method used stresses oral expression. The course also develops a working knowledge of reading and writing French. Lecture 3 hours. Prerequisite: None. Note: Not open to students who have oral proficiency or who have attended schools where French was the language of instruction. This course may be taken 2 times; a maximum of 6 units may be earned.

111 BASIC CONVERSATIONAL FRENCH II
3 Units
French 111 is an introduction to French with emphasis on developing essential skills in communication. The verbal active method is used and oral expression is stressed. The course also develops a working knowledge of reading and writing French. Lecture 3 hours. Prerequisite: French 110 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

112 BASIC CONVERSATIONAL FRENCH III
3 Units
French 112 is a continuation of the development of skills essential to communication. The verbal active method is used and oral expression is stressed. The course provides a further working knowledge of reading and writing in French. Lecture 3 hours. Prerequisite: French 111 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

113 BASIC CONVERSATIONAL FRENCH IV
3 Units
French 113 is a continuation of the development of skills essential to communication. The verbal active method is used and oral expression is stressed. The course provides a further working knowledge of reading and writing in French. Lecture 3 hours. Prerequisite: French 112 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

114 INTRODUCTION TO FRENCH LITERATURE: GENRES
3 Units
French 114 is an introduction to French literature through a study of representative works of major genres. This course, conducted exclusively in French, naturally maintains and enriches the students' language skills, but its primary purpose is to acquaint them with French literature and give them a solid basis on which to continue further reading. Lecture 3 hours. Prerequisite: French 104 or equivalent. Transfer credit: CSU, UC, USC

125 INTRODUCTION TO FRENCH LITERATURE: MIDDLE AGES THROUGH THE 18TH CENTURY
3 Units
French 125 is an introduction to early French literature through a survey of its historical development and representative works. This course, conducted exclusively in French, naturally maintains and enriches the students' language skills, but its primary purpose is to acquaint them with French literature and give them a solid basis on which to continue further reading. Lecture 3 hours. Prerequisite: French 104 or 124 or equivalent. Transfer credit: CSU, UC, USC

126 INTRODUCTION TO FRENCH LITERATURE: 19TH CENTURY TO PRESENT
3 Units
French 126 is an introduction to modern French literature through a survey of its historical development and representative works, covering the 19th Century to the present. This course, conducted exclusively in French, naturally maintains and enriches the students' language skills, but its primary purpose is to acquaint them with French literature and give them a solid basis on which to continue further reading. Lecture 3 hours. Prerequisite: French 104 or 124 or equivalent. Transfer credit: CSU, UC, USC
101
PHYSICAL GEOGRAPHY
3 Units
Geography 101 is a study of the basic physical elements of geography, their correlation and integrated patterns of world distribution. Special attention is given to the earth and its astronomical relationships, weather, climate, and landforms. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC (CAN GEOG 2)

102
CULTURAL GEOGRAPHY
3 Units
Geography 102 is a systematic study of the cultural variables of humankind: population, religion, language, economic activities, settlements. Emphasis upon selected cultural problems of humankind's occupancy. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC (CAN GEOG 4)

105
ECONOMIC GEOGRAPHY
3 Units
Geography 105 is a study of the physical and cultural elements of environment and their relation to the economic activities of humankind. Special attention is given to the climatic regions, the soils, the products and the resultant economy. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

110
GEOGRAPHY OF CALIFORNIA
3 Units
Geography 110 is a systematic study of the spatial distributions of California's biophysical and cultural phenomena. Special emphasis is placed on the impact of human occupancy. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

111
PHYSICAL GEOGRAPHY LABORATORY
1 Unit
Geography 111 is the laboratory course for Physical Geography. Laboratory exercises include the observation and interpretation of weather data, statistical analysis of climate data, development of cartographic techniques, map interpretation, aerial photography interpretation, and landform description and analysis. Local field trips are required. Laboratory 3 hours. Prerequisite: Geography 101. (Geography 101 may be taken concurrently). Transfer credit: CSU, UC, USC

114
GEOGRAPHY OF BAJA CALIFORNIA
1 Unit
Geography 114 is a field study of the Baja California peninsula of Mexico using the geographic methodology. Emphasis is placed on the landscape; the exposure of students to such basic geographic concepts as spatial distribution, spatial associations, and spatial interactions; the observation by students of the relationships between the biophysical environment and human activities. Students observe and take notes in specific locations of the Baja California peninsula. Lecture 16 hours. (1 week) Prerequisite: Geography 101 or 102 or 110 or equivalent. Transfer credit: CSU

103
GEOLOGY OF CALIFORNIA
3 Units
Geology 103 is a study of the characteristics and historical development of the geologic provinces of California. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

104
FIELD GEOLOGY
2-6 Units
Geology 104 is a field study of geologic features within several geologic provinces. Emphasis is placed on the recognition, interpretation, recording, and reporting of geologic information observed in the field. Petrologic, paleontologic, structural, and stratigraphic information is compiled and integrated into an interpretation of the geologic history of the area investigated. An extended period in the field may be substituted for a number of shorter field trips. Field trips will normally be taken on weekends and/or during vacation periods. The itinerary, schedule, and field area will be determined at the first class meeting (see current class schedule). The student is responsible for the cost of food and transportation; the approximate cost is $35 for each two units of work; this figure may vary considerably depending on the location of the study area. Travel is usually by chartered bus. Field Geology requires a great deal of rigorous activity and living conditions in the field are often primitive. Lecture and field study will be the semester equivalent of one hour of lecture and three hours of laboratory per week for each two units of credit; a typical semester of work would include 16 hours of lecture and six days in the field. Prerequisite: Completion of one of the following courses: Geology 101, 102, 103, 105, 110; Oceanography 115; Paleontology 101; or equivalent. Note: Two units of non-overlapping field study will often be offered for the fall and spring semesters; extended periods of study may be available during summer session. Weather conditions may require rescheduling of some trips. This course may be taken 3 times; a maximum of 6 units may be earned. Transfer credit: CSU, UC, USC

101
PHYSICAL GEOLOGY
3 Units
Geology 101 is a study of the physical materials and processes of the earth. Lecture 3 hours. Prerequisite: None. Note: This course may not be taken for credit by students who have completed Geology 110. Second semester standing or a good high school record is recommended. Transfer credit: CSU, UC, USC

102
NATURAL DISASTERS
3 Units
Geology 102 is a study of the earth or natural hazards like earthquakes, volcanism, climate change, pollution and human interactions with the earth environment. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

105
HISTORICAL EARTH SCIENCE
4 Units
Geology 105 is a study of the geologic and paleontologic history of the North American continent. Lecture 3 hours, laboratory 3 hours. Prerequisite: Completion of any one of the following courses: Geology 101, 102, 103, 110; Oceanography 115; Paleontology 101; or equivalent. Transfer credit: CSU, UC, USC (CAN GEOL 4)
110 PHYSICAL EARTH SCIENCE
4 Units
Geology 110 is a study of various geologic processes, their products, ecologic implications, and related natural resources. Lecture 3 hours, laboratory 3 hours. Prerequisite: None. Note: Students who have taken Geology 101 will receive only 1 unit of credit for Geology 110. This course may not be taken for credit by students who have completed Geology 101 and 111. Transfer credit: CSU, UC, USC

111 PHYSICAL GEOLOGY LABORATORY
1 Unit
Geology 111 is an introduction to common laboratory practices and exercises in physical geology, such as identifying common minerals and rocks and understanding simple topographic and geological sections and maps. Laboratory 3 hours (including 5 hours of supervised field observations). Prerequisite: Geology 101. (Geology 101 may be taken concurrently.) Note: This course may not be taken for credit by students who have completed Geology 110. Transfer credit: CSU, UC, USC

120 EARTHQUAKES
3 Units
Geology 120 introduces the student to the current knowledge of earthquakes, with special reference to California, emphasizing their occurrence, causes and properties and the way the dangers from earthquakes can be reduced. The material presented is appropriate for students seeking to fulfill general science requirements as well as for those wishing to acquire a specialized knowledge of the subject. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

GERMAN

101 BEGINNING GERMAN I
5 Units
German 101 presents the fundamentals of German grammar. The students learn accurate pronunciation and a working vocabulary which they will use in conversation and writing. Students will read and express themselves in simple prose. The student must spend one hour a week in the laboratory. Lecture 5 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: Not open to students with oral proficiency or who have attended schools where German was the language of instruction. Transfer credit: CSU, UC, USC (CAN GERM 2)

102 BEGINNING GERMAN II
5 Units
German 102 is a continuation of the elementary grammar essentials introduced in German 101. The student will read and interpret prose of increasing difficulty. The discussions in German will stress the correct use of verbs and idioms. Essential geographical and historical data concerning German people are introduced. In addition to the regular class hours, the student must spend one hour a week in the laboratory. Lecture 5 hours. Prerequisite: German 101 or two years of German in high school completed within the past two years or equivalent. Transfer credit: CSU, UC, USC (CAN GERM 4)

103 INTERMEDIATE GERMAN I
4 Units
German 103 offers a review of German grammar stressing sentence structure, word analysis, vocabulary building and composition. The student is introduced to simple texts of German prose and poetry. Discussions in German of contemporary literature and topics of interest will enable the student to gain fluency in speaking the German language. In addition to the regular class hours, the student must spend one hour a week in the language laboratory. Lecture 4 hours. Prerequisite: German 102 or three years of German in high school completed within the past two years. Transfer credit: CSU, UC, USC (CAN GERM 8)

104 INTERMEDIATE GERMAN II
4 Units
German 104 reviews the fundamentals of German grammar. It continues to stress word analysis, vocabulary building and correct diction. Students read intermediate German of increasing difficulty and engage in conversation and composition with emphasis in critical thinking. They evaluate aspects of their own and German culture in the medium of the German language. Lecture 4 hours. Prerequisite: German 103 or four years of German in high school completed within the past two years. Transfer credit: CSU, UC, USC (CAN GERM 10)

105 CONVERSATIONAL GERMAN
3 Units
German 105 offers intensive practice in oral expression and comprehension of spoken German. Lecture 3 hours. Prerequisite: One year of college German, or three years of high school German, or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU, UC, USC

106 ADVANCED CONVERSATIONAL GERMAN
3 Units
German 106 is designed for those students who wish to learn more advanced conversational topics in order to further improve their language skills. Lecture 3 hours. Prerequisite: German 105 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU, UC, USC

110 BASIC CONVERSATIONAL GERMAN I
3 Units
German 110 is an introduction to the German language with emphasis on developing essential skills in communication. The verbal active method used stresses oral expression. The course develops a working knowledge of reading and writing as well, and includes the use of tapes, cassettes, and films. Lecture 3 hours. Prerequisite: None. Note: Not open to students who have oral proficiency or who have attended schools where German was the language of instruction. This course may be taken 2 times; a maximum of 6 units may be earned.

111 BASIC CONVERSATIONAL GERMAN II
3 Units
German 111 is a further study of the language with continued emphasis on developing essential skills in communication. The verbal active method used stresses oral expression. The course further develops a working knowledge of reading and writing as well, and includes the use of tapes, cassettes, and films. Lecture 3 hours. Prerequisite: German 110 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

112 BASIC CONVERSATIONAL GERMAN III
3 Units
German 112 is the academic progression of German 111 and continues the use of the German language with emphasis on developing essential communication skills and aural and written comprehension. The pragmatic methodological approach stresses oral expression. Lecture 3 hours. Prerequisite: German 111 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned.
113 BASIC CONVERSATIONAL GERMAN IV
3 Units
German 113 is the academic progression of German 112 and the German language with emphasis on advanced communication skills and aural and written comprehension. Oral expression will be stressed. Lecture 3 hours. **Prerequisite:** German 112 or equivalent.

125 INTRODUCTION TO GERMAN LITERATURE
3 Units
German 125 is an introduction to German literature. It provides a survey of Germany's historical and cultural development as seen in representative works from 100 A.D. to the present. Lecture 3 hours. **Prerequisite:** German 102 or equivalent. **Transfer credit:** CSU, UC, USC

126 INTRODUCTION TO GERMAN LITERATURE
3 Units
German 126 is an introduction to German literature. It provides a survey of its historical development as seen in representative works covering the period of the 18th Century to the present. Reading and lectures will be in German. To supplement the text, records, and tapes will be used. Lecture 3 hours. **Prerequisite:** German 102 or equivalent. **Transfer credit:** CSU, UC, USC

HEALTH

101 FIRST AID
1 Unit
Health 101 covers prevention and cause of accidents or sudden illness. It meets the requirements of the American Red Cross for certification in Community First Aid and CPR. Lecture and skill practice 2 hours. (9 weeks) **Prerequisite:** None. **Note:** Recommended for physical education majors. **Transfer credit:** CSU, UC, USC

102 STANDARD FIRST AID AND CPR
2 Units
Health 102 covers the prevention and care of accidents or student illnesses. It meets the requirements of the American Red Cross for certification in Community First Aid and CPR. Lecture and skill practice 2 hours, laboratory 1 hour. **Prerequisite:** None. **Note:** Health 102 allows only 1 unit of credit for students who have completed Health 101 or Health 107 and no credit for those who have completed both Health 101 and Health 107. **Transfer credit:** CSU, UC, USC

104 HEALTH EDUCATION
3 Units
Health 104 covers current issues in health and their effect upon the quality of human life. The course emphasizes the holistic approach to health and wellness and explores the latest concepts in nutrition, disease prevention, mental health and stress management, sexual relationships and lifestyles, drug use and abuse, and consumer and environmental health issues. Instruction focuses on individual responsibility for wellness, cultural diversity, and effective interpersonal communication. Lecture 3 hours. **Transfer credit:** CSU, UC, USC

107 CARDIO-PULMONARY RESUSCITATION
1 Unit
Health 107 is a course covering the life-saving techniques of cardio-pulmonary resuscitation and stresses mouth-to-mouth resuscitation, manual cardiac compression, first aid for obstructed airway, one and two-person CPR, and infant/child CPR. Lecture 2 hours. (8 weeks) **Prerequisite:** None. **Transfer credit:** CSU

109 DECISIONS IN CHILD HEALTH AND CRISIS
3 Units
Health 109 is a course which includes the fundamentals of basic anatomy and physiology of children, common childhood acute illness and injury, the emergency medical system, principles of emergency care of children, and safety and preventive techniques. The course enables the student to be aware of the day-to-day health care problems of children and the overwhelming complexity of today's emergency medical services system. Those who are in contact with children on a regular basis learn to cope with day-to-day and emergency situations and are able to respond in the most appropriate manner upon completion of this course. Lecture 2½ hours, laboratory 1½ hours. **Prerequisite:** None. **Note:** This course satisfies the First Aid requirement for graduation. **Transfer credit:** CSU

110 PREVENTION AND CARE OF ATHLETIC INJURIES
2 Units
Health 110 is a course of in-depth examination of selected topics in sports medicine. The course provides a thorough knowledge of the prevention and care of injuries commonly occurring during physical activity. Lecture 2 hours, laboratory 1 hour. **Prerequisite:** Health 101. **Transfer credit:** UC, USC

128 NUTRITION AND PHYSICAL FITNESS
(Also listed as Physical Education 128 and Culinary Arts 128) 3 Units
Health 128 is a course in nutrition and physical fitness. It provides the student with an overall study of the relationship between nutrition and physical fitness. The effects of nutrition on the anatomical and physiological aspects of the body are emphasized. The course also examines the production of energy forms the intake of a variety of nutritional sources. The process of metabolism as a means toward energy production and physical activity is also discussed. Meal planning, basic physiology, current nutritional practices, eating disorders, weight control and athletic training are examined as they relate to the nutritional aspects of physical fitness. Lecture 3 hours. **Prerequisite:** None. **Note:** This course may not be taken for credit by students who have completed Culinary Arts 128 or Physical Education 128. **Transfer credit:** CSU, UC, USC

HISTORY

101 HISTORY OF WESTERN EUROPE
3 Units
History 101 studies the growth of western European civilization from the decline of the Roman Empire to the 17th Century. An introduction to the study of history, giving a general perspective of the development of those political, economic, and social institutions which explain our present-day civilization. An attempt is made to orient the student's thinking to present world problems. Lecture 3 hours. **Recommended preparation:** Eligibility for English 101. **Note:** Students who have taken History 108 will receive only 1 unit of credit for History 101. **Transfer credit:** CSU, UC, USC (CAN HIST 2)
102 HISTORY OF WESTERN EUROPE
3 Units
History 102 studies the growth of western European civilization from the 17th Century to the present time. It is introduction to the study of history; giving a general perspective of the development of those political, economic, and social institutions which explain our present-day civilization. An attempt is made to orient the student's thinking to present world problems. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Note: Students who have taken History 109 will receive only 1 unit of credit for History 102. Transfer credit: CSU, UC, USC (CAN HIST 4)

103 HISTORY OF EARLY LATIN AMERICA
3 Units
History 103 is a general survey of the history of Latin America from discovery to independence. The planting of the European civilization in Latin America, the growth of the different colonies, viceroyalties, supporting systems, the international contest for the continents, and the wars of independence in Latin America. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC

104 HISTORY OF CONTEMPORARY LATIN AMERICA
3 Units
History 104 is a general survey of 19th and 20th century Latin American history. The course focuses on the political, economic and social development of Latin America. In addition, the course offers an historical review of U.S.-Latin America relations. The course is designed to acquaint the student with the area's basic history so as to better appreciate and understand contemporary social and political change in Latin American societies. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC

105 20TH CENTURY CENTRAL AMERICA AND THE CARIBBEAN
3 Units
History 105 is an introductory course focusing on the contemporary political, economic and social history in Central America and the Caribbean. The course stresses the 20th Century, with special attention given to the role and impact of United States policy in the region. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC

106 HISTORY AND POLITICS OF THE RUSSIAN PEOPLE
3 Units
History 106 is a study of the political, social, economic and cultural development of the Russian people from earliest days to the contemporary period. Emphasis will be laid on the development of the modern Soviet ideology and power politics. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC

107 HISTORY OF CIVILIZATION (Pre-History to 800)
3 Units
History 107 is a general political survey of the world from earliest times to the Carolingian Empire, c. 800, with emphasis on the development of human ideas, arts, and institutions. Emphasis is placed upon the contributions to civilization made in ancient times by Egypt, Greece, Rome, India, China, and other powers. An attempt is made to give the student a perspective on the past. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC

108 HISTORY OF CIVILIZATION (Carolingian Empire to the French Revolution, c. 1789)
3 Units
History 108 is a general political survey of the world from the Carolingian Empire, c. 800, to the French Revolution, c. 1789, with emphasis on the development of human ideas, arts, and institutions. The characteristics of the medieval and modern worlds are examined. The principles—cultural, social, economic, and political—which brought the modern world into being are analyzed. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Note: Students who have taken History 101 will receive only one unit of credit for History 108. Transfer credit: CSU, UC, USC

109 HISTORY OF CIVILIZATION (French Revolution to the Present)
3 Units
History 109 is a general political survey of the world from the French Revolution, c. 1789, to the present with emphasis on the development of human ideas, arts, and institutions. An attempt is made to give the student a perspective and a basis for interpreting current world events. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Note: Students who have taken History 102 will receive only 1 unit of credit for History 109. Transfer credit: CSU, UC, USC

110 UNITED STATES HISTORY
3 Units
History 110 is an interpretation of the more meaningful and significant issues, events, and ideas which have played a major role in shaping present day America. Main attention is focused upon political and economic aspects with some treatment of social and cultural developments. This course meets the California State requirement in American History. Lecture 3 hours. Prerequisite: Eligibility for English 120 or ESL 151. Note: This course allows only 1 unit of credit for students who have completed History 117, 118, or Social Science 131. Transfer credit: CSU, UC, USC

111 THE WOMAN IN AMERICAN HISTORY
3 Units
History 111 is a survey of the history of women in America from the colonial period to the present with emphasis on relevant political, economic, and social factors. Traditional roles of women in society are analyzed in terms of literary images, popular culture, and stereotypes. Attitudes and prejudices held by both sexes toward each other, reform movements, religious crusades, women's rights, and emancipation movements are examined in the context of American History. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course allows only 1 unit of credit for students who have completed History 117, or Social Science 131 and no credit for those who have completed History 118. Transfer credit: CSU, UC, USC
112 PACIFIC COAST HISTORY
3 Units
History 112 is a survey of the discovery, exploration, and settlement of Mexico, California, Oregon, Washington, British Columbia, and Alaska. Emphasis is placed upon the development of their particular political, economic, and cultural institutions, along with their relationships with each other and the rest of the world. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC

113 HISTORY OF MEXICO
3 Units
History 113 is an in-depth study of the emergence of the Mexican institutions and traditions from Pre-Colombian societies to the present. The course is designed to meet the needs of the college student who wishes to understand the development of the modern Mexican nation. Modern Mexico and its development is the primary concern of this course. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC

114 HISTORY OF BAJA CALIFORNIA
3 Units
History 114 is a survey of the prehistory, discovery, exploration, settlement, and modern development of the Baja California states of Mexico. Emphasis is placed on the development of their political, economic and cultural institutions. Their relationship with the United States, and California in particular, is analyzed in terms of their historical and present day experience. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Note: Optional field trips to places of historical interest in the states of Baja California may be offered. Transfer credit: CSU, UC, USC

115 REBELLIOUS WOMEN IN MODERN AMERICA
3 Units
History 115 investigates the legal, economic, political, and social issues surrounding the dramatic transformation of gender relations in contemporary society. Topics to be included are women's private lives (sexuality and reproductive roles, family roles, parenting); women's public roles (work, volunteerism, occupational segregation, education, religion); women's political roles (the gender gap, female leadership); and public policy that has affected women's private and public lives (welfare, affirmative action, child care legislation). The course focuses on leaders of the women's movement in the United States who worked to change laws; to open doors to new occupations; and to create, and influence new institutions, as well as old. Using biography, primary source documents, and socio-historical studies, the course begins by focusing on women in the 1940s, then moves forward into the Women's Movement of the 1950s, 1960s, and 1970s, and the conservative reactions to the movement in the 1980s and 1990s. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

116 ECONOMIC HISTORY OF THE UNITED STATES
(Also listed as Economics 111)
3 Units
History 116 is a history of the economic development of the United States from its settlement to the present. Emphasis is placed on the growth and development of economic institutions, slavery, reconstruction, work, the industrial revolution, workers' movement, and U.S. imperialism. This course meets the California State requirements in American History. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may not be taken for credit by students who have completed Economics 111. Transfer credit: CSU, UC, USC

117 HISTORY OF THE UNITED STATES
3 Units
History 117 is a survey course that looks in depth at United States history from the colonial period to Reconstruction. The English colonies, the Revolutionary War, the Constitution, the New Nation, Jeffersonian and Jacksonian democracy, slavery, Civil War, and Reconstruction will all be examined. This course (if both semesters are completed) meets the California State requirements in United States history. Lecture 3 hours. Prerequisite: Eligibility for English 101. Note: History 117 allows only 2 units of credit for students who have completed History 110. History 117-118 allows only 3 units of credit for students who have completed History 110. Transfer credit: CSU, UC, USC (CAN HIST 8)

118 HISTORY OF THE UNITED STATES
3 Units
History 118 is a survey course that looks in depth at United States History from the Post-Reconstruction period to the present. The Gilded Age, Populism and Progressivism, Imperialism, the Great Depression and New Deal, World War II, the Cold War, Vietnam, Watergate, and the Reagan years will all be examined. This course (if both semesters are completed) meets the California State requirements in United States history. Lecture 3 hours. Prerequisite: Eligibility for English 101. Note: History 118 allows only 1 unit of credit for students who have completed History 151 and 1½ units of credit for students who have completed History 110. History 117-118 allows only 3 units of credit for students who have completed History 110. Transfer credit: CSU, UC, USC (CAN HIST 10)

119 HISTORY OF THE FAR EAST
3 Units
History 119 is a general survey of East Asian civilization from antiquity through the nineteenth century. Primary emphasis is placed upon the political, religious, social, and economic development of China and Japan with some attention on Korea and Southeast Asia. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC
120 HISTORY OF THE FAR EAST
3 Units
History 120 is a general survey of China, Japan, Korea, and Southeast Asia in the international community from the nineteenth century to the present. Primary emphasis is centered upon the impact of Western culture and the major political and social movements of the twentieth century, Nationalism and Communism. Lecture 3 hours. Recommended preparation: History 119 and eligibility for English 101. Transfer credit: CSU, UC, USC

121 ARMENIAN HISTORY
3 Units
History 121 is a survey of the history of the Armenian people from 1,000 B.C. to the present. Topics include: The Arshadian, Arshaguni, Bagratuni, and Cilician kingdoms; Armenia under the domination of Persia, Roman, Byzantine, Arab, Mongol, Turkish, and Russian empires; the religious, artistic and architectural dimensions of the Armenians’ cultural heritage; the literary renaissance and emergence of the Armenian Question in the 19th century; World War I and the Armenian Genocide; the Republic of Armenia and international treaties up to 1923; and developments in Soviet Armenia from 1920 to the present. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

122 CALIFORNIA HISTORY
3 Units
History 122 is a survey of the discovery, exploration, and settlement of California. The emphasis is on the development of particular political, economic, and social institutions, along with California’s relationships with the United States. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC

131 A HISTORY OF AFRICA SINCE 1800
3 Units
History 131 surveys the development of Africa from 1800 to the present. Themes to be covered include: colonization and underdevelopment, neo-colonialism, nationalism and African independence movements. Case studies of individual African countries are used to analyze the various themes. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

132 HISTORY OF THE PHILIPPINES
3 Units
History 132 examines the geographical, cultural, and historical realities of the Philippines, from the Spanish colonial period to the present. Particular emphasis is given to past and present U.S.-Philippine relations and to the contemporary social, economic, and political situation in the Philippines. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

133 A HISTORY OF SCIENCE
3 Units
History 133 is a history of the notable scientific ideas and discoveries in Western civilization. It is a seminar, colloquial style discussion class that examines the forces in history that led to the development of the major scientific revolutions and thinkers that have shaped modern industrialized man and his culture. Some of the subjects and scientists studied include the philosophy of science, the scientific method, science and pseudoscience, how science interacts with other cultural elements, ancient science, magic and renaissance science, the Copernican Revolution, the Newtonian Revolution, the Darwinian Revolution, Pasteur and the medical revolution, and the Einsteinian Revolution. The course enhances the student’s understanding of the present by a better understanding of the past. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC

135 HISTORY OF THE VIETNAM WAR
3 Units
History 135 studies the background of U.S. involvement in Vietnam from the French occupation to the winding down of the war during the Nixon years. The course focuses on such matters as the historical and cultural realities of the situation, the gradual and growing U.S. commitment during the Eisenhower and Kennedy Administrations, and the height of the American build-up during the Johnson Presidency. An attempt is made to discuss the "lessons" of Vietnam and major unresolved issues deriving from the war. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

136 WAR; HISTORY, CAUSES, SOLUTIONS
(Also listed as Social Science 136)
3 Units
History 136 explores the history, causes, and potential solutions to the problem of war. The history of individual wars is examined within a broader picture of war in general, including ancient warfare, the Middle Passage, the rise of modern war, and the development of total war. An interdisciplinary approach is taken in exploring the immediate causes of war, including historical, economic, political, anthropological, sociological, and psychological causes. The course probes moral and philosophical aspects for the ultimate causes of war. Finally, solutions are considered including diplomacy, treaties, the United Nations, a one-world government, and the dismantling of nation-states. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Note: This course may not be taken for credit by students who have completed Social Science 136. Transfer credit: CSU, UC, USC

150 UNITED STATES HISTORY AND ITS ARTISTIC EXPRESSION
3 Units
History 150 examines the political, social, and cultural or artistic history of the United States from the Colonial Era through the present. Special emphasis will be given to those epochs in which the ideas and institutions of "We the people of the United States" were brought forth and matured and to the artistic expressions of the birth and growth of the nation. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

151 THE UNITED STATES IN THE TWENTIETH CENTURY
3 Units
History 151 analyzes the political, economic, and social history of the United States since 1900. Special emphasis is placed on the post-World War II period. Current issues are stressed with their historical background. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course offers only 1 unit of credit for students who have completed History 118. Transfer credit: CSU, UC, USC
ECONOMIC HISTORY OF THE UNITED STATES
See Economics 111 or History 116

INTRODUCTION TO SOCIAL SCIENCE
See Social Science 125-126, 131-132

HOTEL RESTAURANT MANAGEMENT

203 CATERING I
(Formerly Food and Nutrition Studies 203)
3 Units
Hotel Restaurant Management 203 studies the theory and practice of presenting a catering event. Practice is given in the managing of the total operation as well as some experience in specialty food preparation. Lecture 2 hours, laboratory 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151.

220 FRONT OFFICE OPERATIONS
3 Units
Hotel Restaurant Management 220 provides instruction and procedures in the front-office operation of a hospitality lodging enterprise. Emphasis is placed on the following aspects: public and employee relations, guest accommodations/reservations, forecasting, office routines and reports, machine operation, room rates, and the application of computer programs. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU

221 HOUSEKEEPING MANAGEMENT OPERATIONS
3 Units
Hotel Restaurant Management 221 acquaints the student with housekeeping duties as they pertain to rooms and accommodations in a hotel or motel. The course focuses on the comfort of guests as a priority concern. Emphasis is placed on effective communication between housekeeping, front office and engineering/maintenance. Students receive instruction in report writing. Lecture 3 hours. Prerequisite: None.

HUMANITIES

101 EAST/WEST: CULTURE AND CIVILIZATION TO 1700
3 Units
Humanities 101 is an interdisciplinary, multicultural, team-taught course that examines the historic push and pull of eastern and western civilizations from primitive times until 1700. Important themes, events, and discoveries linking east and west are shown through literature, folklore, art history, philosophy, and science. Students compare and contrast eastern and western views of time and eternity; standards of excellence; decadence and decline; motives, manners, and morals; and problems of extremes as they explore some of the most compelling problems, questions, and issues faced by humans of both hemispheres. The course centers on critical thinking; students are challenged to analyze, synthesize, and propose original ideas through the media of reading, discussion, and writing. Lecture 3 hours. Prerequisite: Eligibility for English 101. Transfer credit: CSU, UC, USC

102 EAST/WEST: CULTURE AND CIVILIZATION FROM 1700
3 Units
Humanities 102 is an interdisciplinary, multicultural, team-taught course that examines the historic push and pull of eastern and western civilizations from 1700 until the present. Important themes, events, and discoveries linking east and west are shown through literature, folklore, art history, philosophy, and science. Students compare and contrast eastern and western views of science and reason; romanticism, skepticism, and pessimism; the gradual change of traditional morals, manners, means and measures; the concept of relativity; and the quantum leap into contemporary thought as they explore some of the most compelling problems, questions, and issues faced by humans of both hemispheres. The course centers on critical thinking; students are challenged to analyze, synthesize, and propose original ideas through the media of reading, discussion, and writing. Lecture 3 hours. Prerequisite Eligibility for English 101. Transfer credit: CSU, UC, USC

105 THE HUMAN STRUGGLE
3 Units
Humanities 105 is an interdisciplinary, intercultural course designed to challenge students to further develop critical reading, writing, and thinking abilities through comparative study of materials from literature and various disciplines. Students evaluate some of the most relevant issues faced by people of the United States and other cultures throughout history, with emphasis on values and ethics. The course examines the creative impulses and destructive forces that have influenced the human struggle for order, acceptance, knowledge, understanding, self expression, power, freedom, individuality and survival. Students improve their abilities to analyze, synthesize, develop original ideas, distinguish fact from opinion or belief, and use logic and reason in language and thought to determine whether the solutions of the past are compatible with the problems of today and tomorrow. Writing instruction focuses on improving advanced composition skills. The course may be team-taught. Lecture 3 hours. Prerequisite: Eligibility for English 101. Transfer credit: CSU, UC, USC

106 MODERN SOCIETY IN ITS MILIEUX
3 Units
Humanities 106 is an interdisciplinary, team-taught, cross-cultural course emphasizing foreign literatures in translation. Students are encouraged to read, think, discuss and write critically in dealing with some important concerns of modern times as interpreted by different societies. Students do comparative analyses of literature from various countries in their historical, political, and social contexts. The linguistic style of each foreign language is stressed. Lecture 3 hours. Prerequisite: Eligibility for English 101. Transfer credit: CSU, UC, USC
110  SCIENCE, LITERATURE, AND HUMAN INSIGHT
3 Units
Humanities 110 is an interdisciplinary, intercultural team-taught course in which students further apply the principles of critical thinking and comparative analysis in order to better understand the relationships among literature, science, and technology. Through directed reading, class discussion, and writing, students continue to develop logical thought processes enabling them to reason inductively and deductively, to distinguish fact from judgment, to examine evidence and credibility of sources, to propose new ideas, and to reach logical conclusions. Through their study of literature, students learn about human values, behavior and motivations; through their study of scientific and technological achievements, they learn about the methods and limitations of science. Major historical and contemporary themes linking science and literature are presented for evaluation. Writing instruction focuses on improving advanced composition skills. Lecture 3 hours. Prerequisite: Eligibility for English 101. Transfer credit: CSU, UC, USC

115  WORLD MYTHOLOGY
3 Units
Humanities 115 is an interdisciplinary course in which students analyze ancient myths in the context of the cultures from which they arose. It provides a basis for increased understanding of art forms from all over the world, including literature, painting, sculpture, and architecture. Students explore the role myths play in answering the ultimate questions of human life and in expressing the values of the societies which developed and/or perpetuated the stories. Students see the impact of psychology, oral transmission, and environment (social, geo-political, and economic) on belief systems. Most importantly, students relate myths to questions and issues of the present day, relevant to their own lives and the lives of those with whom they share the country and the planet. Lecture 3 hours. Prerequisite: Eligibility for English 101. Transfer credit: CSU, UC, USC

117  CREATIVITY, CULTURE, AND SOCIETY: KALEIDOSCOPE
3 Units
Humanities 117 is an interdisciplinary, team-taught course focusing on literature, drama, dance, and film and examining their relationships with other areas of college study. The course recognizes that, like the pieces in a kaleidoscope, individual art works and art forms are only components of larger patterns. As students compare and contrast works from various cultures and times, they are encouraged to read, think, discuss, and write critically about the interaction among artist, society, and work of art. Students explore the creative process and ask what has led to, as well as what results from, works of art. Students learn to analyze, synthesize, draw inferences, propose new ideas, support theses, reach logical conclusions, and become active participants in the artistic process. Lecture 3 hours. Prerequisite: Eligibility for English 101. Transfer credit: CSU, UC, USC

120  LITERATURE AND THE CULTURAL ARTS
3 Units
Humanities 120 is an interdisciplinary course that focuses on the interrelationships of literature and the cultural arts (architecture, music, painting, and sculpture), with emphasis on the literature, to show not only their independence but also their synthesis. Through critical reading, discussion, and writing, students analyze the influences of each genre upon the creative impulses of the others. Humanities 120 examines literary and cultural achievements, developments, and values in the major periods of western history that served as a foundation for modern thought and letters. The course may be team taught. Lecture 3 hours. Prerequisite: Eligibility for English 101. Transfer credit: CSU, UC, USC

125  CROSSCURRENTS: AMERICAN SOCIAL VALUES
3 Units
Humanities 125 is an interdisciplinary course designed to enrich students' knowledge and understanding of the cultural influences of ethnic, racial and gender diversity in the shaping of American society—past and present—and to enable them to speculate critically on American society in the future. Students analyze materials from literature, history, and other disciplines. The course explores the development and current reality of commonly held American ideals, attitudes and institutions and their role in the unique balance between freedom and responsibility. Students are encouraged to develop their critical thinking skills through reading, writing, and discussion. This course may be interactively team-taught. Lecture 3 hours. Prerequisite: Eligibility for English 101. Transfer credit: CSU, UC, USC
130  THE INDIVIDUAL, THE GROUP, AND THE ORGANIZATION  
3 Units  
Humanities 130 is an interdisciplinary course that encourages personal and global issues, problems, and patterns of communication in the work environment as they apply to individual workers, groups and organizations. Students develop critical reading, writing, and thinking skills by analyzing and discussing an international array of essays, works of fiction, plays, poems, songs, and films concerning work, and by engaging in individual and collaborative activities designed to pose ethical and decision-making problems. Writing instruction focuses on improving composition skills. Lecture 3 hours. Prerequisite: Eligibility for English 101. Transfer credit: CSU

135  HUMANITIES AND THE WORLD OF WORK  
3 Units  
Humanities 135 is an interdisciplinary course that combines instruction in fiction and non-fiction, film, ethics, problem solving, and decision making to help students examine today's multicultural society and workplace and develop values that may influence their personal and professional growth throughout their lives. Students analyze and discuss contemporary issues, problems and trends, and become familiar with the history of discrimination on the basis of color, ethnicity, gender, and sexual orientation and the impact of this discrimination on educational opportunities, career choices, and employability. Students participate in group and individual activities designed to develop and reinforce analytical skills. They also keep journals in which they react to assignments and class presentations. Critical analysis of course materials helps students learn to deal with a variety of situation and tasks they may encounter in their career fields. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151.

INDEPENDENT STUDIES

101  VOLUNTEER SERVICE  
1-3 Units  
Independent Study 101 is an independent study course based on a cooperative effort between the student, a volunteering faculty member, and a community-based organization to provide real-world experience in a field of interest while at the same time filling a need in the community. Laboratory 3-9 hours. Prerequisite: Concurrent registration in 6 or more units. Recommended preparation: Eligibility for English 120 or ESL 151 or Business Administration 106. This course is designed for students who have previously completed a course with a service-learning component. Transfer credit: CSU

149  INDEPENDENT STUDY  
1-3 Units  
Glendale Community College may make available in the curriculum of each division lower division units of study known as Independent Study. The purpose of the Independent Study course is to provide gifted students with an opportunity to explore a subject in greater depth than usual; to familiarize students with some basic research techniques; to interest students in possible career areas; and to take advantage of special academic interests. Emphasis shall be on individual research projects, library research and preparation of research papers. There is no prescribed course outline. Students develop a research project, have it approved by the sponsoring instructor and appropriate division chairperson, then submit the finished project, which may be library research, or perhaps a supervised experimental program related to a specific course of instruction. Registration is open to any student at Glendale Community College who is currently registered for 6 or more units and who is admitted to Independent Study by the instructor. A student is limited to one Independent Study per semester and no more than 12 units for credit toward the AA Degree or Certificate and no more than 6 units per division. The units received may be acceptable for college transfer subject to the approval of the individual college. The instructor shall make arrangements for students' Independent Study registration with the Admissions office. Attendance accounting procedures shall be cleared with the Admissions and Records Office by the instructor. Prerequisite: Concurrent registration in 6 or more units. Transfer credit: CSU, UC

INTERNATIONAL FIELD STUDY

148  INTERNATIONAL FIELD STUDY  
1-6 Units  
International Field Study 148 provides units of credit for travel and study in foreign countries at the student's own expense in programs provided by agencies approved in advance by the College and under the direction of a Glendale Community College instructor. (The agency must be bonded or maintain a trust account.) Lecture: 1-6 hours. Laboratory: 3-18 hours. Prerequisite: None. Note: Approval of program and units of credit attempted must be obtained from the Executive Vice President, Instructional Services prior to foreign travel. Transfer credit: CSU

INTERNERSHIP

150  INTERNSHIP  
3-6 Units  
Internship 150 is a cooperative effort between the college and the professional community to provide real-world experience in the student's major field. For each 3 units, interns participate in 54 hours of supervised activities that correlate formal instruction with on-the-job learning opportunities. Internship 54 hours. Prerequisite: Completion of 12 units with a 2.5 grade-point average or better and concurrent enrollment in 3 additional units. (For the summer term, concurrent enrollment in 3 additional units is not required.) Note: Registration will be open to those students who have been accepted to intern in their major field at an Internship training site on a nonpaid basis. A student is limited to one Internship class per semester. This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

1998-99 CATALOG • GLENDALE COMMUNITY COLLEGE
ITALIAN

101 BEGINNING ITALIAN I
5 Units
Italian 101 uses a modified audio-lingual approach to introduce the student to the fundamentals of pronunciation and grammar, practical vocabulary, useful phrases, and the ability to understand, read, write, and speak simple Italian. Basic information is included to cover the geography, customs, and culture of Italy. In addition to the regular class hours, the student must spend one hour a week in the laboratory. Lecture 5 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: Not open to students with oral proficiency or who have attended schools where Italian was the language of instruction. Transfer credit: CSU, UC, USC (CAN ITAL 2)

102 BEGINNING ITALIAN II
5 Units
Italian 102 is a continuation of Italian and completes the elementary grammar. It includes the reading and simplified texts with emphasis on oral expression, and further study of Italian history and culture. In addition to the regular class hours, students must spend one hour a week in the laboratory. Lecture 5 hours. Prerequisite: Italian 101 or equivalent. Transfer credit: CSU, UC, USC (CAN ITAL 4)

103 INTERMEDIATE ITALIAN I
4 Units
Italian 103 includes further study of Italian grammar. The aim of the course is to train students in reading comprehension of intermediate prose with stress on documentary aspects of Italian life, character analysis, and the study of ideas. Oral and written discussions will be stressed. Lecture 4 hours. Prerequisite: Italian 102 or three years of Italian in high school completed within the past two years or equivalent. Transfer credit: CSU, UC, USC

104 INTERMEDIATE ITALIAN II
4 Units
Italian 104 completes the review of the fundamentals of grammar. The aim of the course is to train students in reading intermediate prose of increasing difficulty with stress on the study of ideas. The training also includes oral discussion and written exposition. Lecture 4 hours. Prerequisite: Italian 103 or four years of Italian in high school completed within the past two years or equivalent. Transfer credit: CSU, UC, USC

110 BASIC CONVERSATIONAL ITALIAN I
3 Units
Italian 110 is an introduction to Italian with emphasis on developing essential skills in communication. The verbal active method is used, stressing oral expression. The course also develops a working knowledge of reading and writing Italian. Lecture 3 hours. Prerequisite: None. Note: Not open to students who have oral proficiency or who have attended schools where Italian was the language of instruction. This course may be taken 2 times; a maximum of 6 units may be earned.

111 BASIC CONVERSATIONAL ITALIAN II
3 Units
Italian 111 is a continuation of the study of Italian as a conversational language with emphasis on lifelike situations. Attention is given to essential grammar principles and cultural information. Lecture 3 hours. Prerequisite: Italian 110 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. This course may not be taken for credit by students who have taken Italian 102 prior to Italian 111, or who take Italian 102 concurrently with Italian 111.

JAPANESE

101 BEGINNING JAPANESE I
5 Units
Japanese 101 presents the fundamentals of Japanese grammar. The students are trained to pronounce correctly, to acquire a small working vocabulary for conversation and writing, and to read and write both hiragana and katakana (native Japanese alphabets). In addition to the regular class hours, the student must spend one hour a week in the language laboratory. Lecture 5 hours. Recommended preparation: Eligibility for English 120 and ESL 151. Note: Not open to students with oral proficiency or who have attended schools where Japanese was the language of instruction. Transfer credit: CSU, UC, USC

102 BEGINNING JAPANESE II
5 Units
Japanese 102 continues to present the fundamentals of Japanese grammar. It trains further in correct pronunciation, and presents kanji (Chinese characters). Discussions in Japanese will stress verb forms and vocabulary building. In addition to the regular class hours, the student must spend one hour a week in the language laboratory. Lecture 5 hours. Prerequisite: Japanese 101, or two years of Japanese in high school completed within the past two years or equivalent. Transfer credit: CSU, UC, USC

110 BASIC CONVERSATIONAL JAPANESE I
3 Units
Japanese 110 is an introduction to the Japanese language with emphasis on developing essential skills in communication. The verbal active method used stresses oral expression. This course also develops a working knowledge of reading and writing and includes the use of cassettes and films. Lecture 3 hours. Prerequisite: None. Note: Not open to students with oral proficiency or who have attended schools where Japanese was the language of instruction. This course may be taken 2 times; a maximum of 6 units may be earned.

111 BASIC CONVERSATIONAL JAPANESE II
3 Units
Japanese 111 is a continuation of basic conversational Japanese. It teaches the students to communicate on a more advanced level and provides them with the ability to read and write for further study. Classroom activities emphasize oral expression. Reading and writing are introduced on a limited basis. Lecture 3 hours. Prerequisite: Japanese 110 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

JOURNALISM

See Mass Communications
101 BEGINNING KOREAN I
5 Units
Korean 101 teaches the fundamentals of Korean grammar. Students are trained to pronounce Korean correctly, to acquire a small working vocabulary which they use in conversation and writing, and to read and write in the native Korean alphabet. Lecture 5 hours, laboratory 1 hour. Recommended preparation: Eligibility for English 120 or ESL 151. Note: Not open to students who have oral proficiency or who have attended schools where Korean was the language of instruction. In addition to the regular class hours, the student must spend one-half hour a week in the foreign language laboratory. Transfer credit: CSU

110 BASIC CONVERSATIONAL KOREAN I
3 Units
Korean 110 is an introduction to the Korean language with emphasis on developing essential skills in communication. The verbal active method used stresses oral expression. This course also develops a working knowledge of reading and writing. Lecture 3 hours. Prerequisite: None. Note: Not open to students who have oral proficiency or who have attended schools where Korean was the language of instruction. This course may be taken 2 times; a maximum of 6 units may be earned.

111 BASIC CONVERSATIONAL KOREAN II
3 Units
Korean 111 is a continuation of Korean 110. It teaches the students to communicate on an advanced level and provides them with the ability to read and write for further study. Classroom activities emphasize conversational repetition and oral expression. Reading and writing will be introduced on a limited basis. Lecture 3 hours. Prerequisite: Korean 110 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

102 MACHINE TECHNOLOGY II
5 Units
Machine Technology 102 is a continuation of the fundamentals of the machinist trade. Advanced training in set-up work, tool grinding, machine operations is presented. Related lectures cover types of threads and threading, calculating and cutting of taps, gears and gear trains. Basic design and capacity of machine tools are investigated. Lecture 3 hours, laboratory 6 hours. Prerequisite: Machine Technology 101. Note: Students must register for the full number of hours for which the course is scheduled, but late registration is permitted provided a vacancy in the class exists. Transfer credit: CSU

103 MACHINE TECHNOLOGY III
5 Units
Machine Technology 103 covers more advanced and complicated operations of machine tools and equipment. Precision inspection, production and assembly are studied. Lectures and demonstrations on specialized machine tools and equipment give the student a better understanding of their use and capacities. Lecture 3 hours, laboratory 6 hours. Prerequisite: Machine Technology 102. Note: Students must register for the full number of hours for which the course is scheduled, but late registration is permitted provided a vacancy in the class exists. Transfer credit: CSU

104 MACHINE TECHNOLOGY IV
5 Units
Machine Technology 104 is a continuation of advanced and complicated operations of machine tools and equipment. Lectures and demonstrations include a thorough investigation of heat-treatment of metals, special metals and their uses, abrasives, grinding wheels, and efficient use of surface, cylindrical, and tool cutter grinders. Basic tool and die work in which the student designs and builds jigs and fixtures is offered to students showing advanced abilities. Lecture 3 hours, laboratory 6 hours. Prerequisite: Machine Technology 103. Note: Students must register for the full number of hours for which the course is scheduled, but late registration is permitted provided a vacancy in the class exists. Transfer credit: CSU

107 MACHINE PRACTICE I
2 Units
NON-DEGREE APPLICABLE
Machine Technology 107 provides practice on machine shop equipment. Students work on individual projects which they retain for their use. Training received in this course develops an ability to visualize and perform various functions necessary in the machine trade. Lecture 1 hour, laboratory 3 hours. Prerequisite: None. Note: Credit per semester will be indicated on the Schedule. This course may be taken 3 times; a maximum of 6 units may be earned.

108 MACHINE PRACTICE II
2 Units
NON-DEGREE APPLICABLE
Machine Technology 108 provides practice on machine shop equipment. Students work on individual projects which they retain for their use. Training received in this course develops an ability to visualize and perform various functions necessary in the machine trade. Lecture 1 hour, laboratory 3 hours. Prerequisite: Machine Technology 107. Note: Credit per semester will be indicated on the Schedule. This course may be taken 3 times; a maximum of 6 units may be earned.

LAW, BUSINESS
See Business Administration 120, 125
109 PRINCIPLES OF TOOL ENGINEERING
5 Units
Machine Technology 109 is an advanced course in machine shop training presenting systems of production. Interchangeability, and dimensioning as they pertain to tool design and construction of drill jigs, milling, grinding, and lathe fixtures, locating and clamping of parts, tooling for horizontal turret lathes, and toolroom inspection and gauging are examined. Training required for engineers and designers noting duties and positions in manufacturing organizations are investigated. Lecture 3 hours, laboratory 6 hours. Prerequisite: Machine Technology 104. Note: Students must register for the full number of hours for which the course is scheduled, but late registration is permitted provided a vacancy in the class exists. Transfer credit: CSU

110 PRINCIPLES OF NUMERICAL CONTROL
5 Units
Machine Technology 110 is an advanced course in machine technology presenting principles of numerical control, preparation of machining programs and development of control tapes. Design and construction of tools and fixtures, selection and modification of tooling are studied. Lecture 3 hours, laboratory 6 hours. Prerequisite: Machine Technology 102. Transfer credit: CSU

111 PRINCIPLES OF NUMERICAL CONTROL
3 Units
Machine Technology 111 presents principles of numerical control, preparation of machining programs and development of control tapes. It is designed for the advanced machine technology student who wishes to explore the field of numerically controlled machining. Lecture 3 hours. Prerequisite: Machine Technology 101. (Machine Technology 101 may be taken concurrently.) Note: This course may not be taken for credit by students who have completed Machine Technology 110.

112 MACHINE PRACTICE III
1-4 Units
Machine Technology 112 is designed to allow students of industrial workers to improve and update their machining skills. Techniques practiced are uses of lathe, mill, drill, grinder. Inspection strategies for the purpose of job advancement are presented. Laboratory 3-12 hours. Prerequisite: Machine Technology 107. Note: Hours to vary according to students' needs; 48 hours laboratory equals one unit. This course may be taken 2 times; a maximum of 8 units may be earned.

113 INTERMEDIATE ENGINE LATHE PROCESSES
2 Units
Non-Degree Applicable
Machine Technology 113 is a course that provides specialized training on the engine lathe processes. Building on the basic processes, this class will develop skills working on tapering, threading, grooving, contouring both inside and out. The use of the 3 and 4 jaw chucks, faceplate, rubber chuck and collets is studied. Lecture 1 hour, laboratory 3 hours. Prerequisite: None.

114 INTERMEDIATE VERTICAL MILL PROCESSES
2 Units
Non-Degree Applicable
Machine Technology 114 is a course that provides specialized training on the vertical mill. Building on the basic processes, this class develops skills working on vises, fixtureing, angular milling, end mills, shell mills, fly cutting, radius cutting, and underscotting. Lecture 1 hour, laboratory 3 hours. Prerequisite: None.

102 REPORTING THE NEWS
3 Units
Mass Communications 102 is an introductory course in the gathering and writing of news, features, and editorials. Emphasis on clear and concise written expression with laboratory drill in English fundamentals. Study of news sources, acceptable forms for stories, style and methods of various media, elementary editing, and law and ethics of communication. Newspapers and other media at the local community level as well as the national metropolitan levels are utilized. Lecture 3 hours, laboratory 1 hour. Prerequisite: Eligibility for English 101. Transfer credit: CSU, UC, USC (CAN JOUR 2)

103 STUDENT PUBLICATIONS STAFF
3 Units
Mass Communications 103 is a course in writing news, feature, and editorial copy, copy reading and editing, headline writing, newspaper layout and make-up, and the mechanics of newspaper production. Study of law and ethics of the press and over-all emphasis on the function and responsibility of the newspaper. Second semester stress is on interpretative reporting. Class produces the campus newspaper El Vaquero. Lecture 2 hours, laboratory 4 hours. Prerequisite: Mass Communications 102, professional publication experience or newspaper experience on the college level. Transfer credit: CSU

104 STUDENT PUBLICATIONS EDITORS
3 Units
Mass Communications 104 is an advanced course in writing news, feature, and editorial copy, copy reading and editing, headline writing, newspaper layout and make-up, and the mechanics of newspaper production. Study of law and ethics of the press and over-all emphasis on the function and responsibility of the newspaper. Second semester stress is on interpretative reporting. Class produces the campus newspaper El Vaquero. Lecture 2 hours, laboratory 4 hours. Prerequisite: Mass Communications 102 or 103. Note: An interview and instructor consent may be required. This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

MASS COMMUNICATIONS

101 INTRODUCTION TO MASS COMMUNICATIONS
3 Units
Mass Communications 101 is an introductory course exploring the history, institutions, and social impact of mass communication media, including print, photography, recordings, film, television, computers, and the role of advertising and public relations. The course is taught from a perspective of theories of persuasion, the symbolic power of images, and the relationship between information and knowledge. Special attention is given to the impact of these media on how we live and believe as individuals and as a society. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC (CAN JOUR 4)
106 INTRODUCTION TO BROADCAST JOURNALISM
3 Units
Mass Communications 106 covers the process of gathering, writing, editing, and presenting the news on radio and television. Particular emphasis is placed on writing for broadcast, news judgment, visual considerations versus sound, interviewing techniques, ethics, scripting, and news organization. Lecture 3 hours. **Prerequisite:** None. **Transfer credit:** CSU

107 MAGAZINE WRITING
3 Units
Mass Communications 107 focuses on feature writing for magazines and newspapers. Students learn how to find feature ideas and develop them into articles for student or professional publications. The creative, story-telling side of journalism is stressed. The free-lance market for feature writers is discussed. Lecture 3 hours. **Recommended preparation:** Eligibility for English 101. **Note:** This course may be taken 2 times; a maximum of 6 units may be earned. **Transfer credit:** CSU

120 INTRODUCTION TO PUBLIC RELATIONS
3 Units
Mass Communications 120 is a practical guide to effective public relations, its history and its relationship with the media. The course is designed for persons who wish to make public relations a career, untrained persons who are currently or plan to be involved in publicity activities, and for journalism majors or minors who wish to enhance their studies. Lecture 3 hours. **Prerequisite:** None. **Transfer credit:** CSU

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### MATERIALS AND PROCESSES

146 MATERIALS AND PROCESSES
3 Units
Materials and Processes 146 is a study of the manufacture and properties of ferrous and non-ferrous alloys, ceramic products, wood, cements, plastics, fuels, glass, concrete, rubber, etc. Their uses, adaptability, and limitations in industry are studied. Current methods of manufacture and technique are covered. The course covers testing of materials by the destructive and nondestructive methods and the physical properties of materials. Lecture 3 hours. **Recommended preparation:** Eligibility for English 120 or ESL 151. **Transfer credit:** CSU

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### MATHEMATICS

All students who have not taken a Mathematics course at Glendale College are required to take a mathematics placement examination before enrolling in any mathematics course except Mathematics 190. Contact your counselor for additional information.

#### 100 COLLEGE ALGEBRA
3 Units
Mathematics 100 is a detailed study of the basic concepts of algebra, including first and second degree equations and inequalities, graphs of linear and quadratic functions, conic sections, polynomial functions, exponential functions, logarithmic functions, systems of equations including Gaussian elimination. Lecture 3 hours. **Prerequisite:** Placement is based on a composite of test scores and academic background or satisfactory completion of Mathematics 110. **Transfer credit:** CSU, UC, USC (CAN MATH 18)

#### 101 INTERMEDIATE ALGEBRA
5 Units
Mathematics 101 includes fundamental laws, curve plotting, linear equations, negative and fractional exponents, quadratic equations, arithmetic and geometric progressions, the binomial theorem, the remainder theorem, the factor theorem, logarithms, second and third order determinants. Lecture 5 hours. **Prerequisite:** Placement is based on a composite of test scores and academic background or satisfactory completion of Mathematics 141, or 146, or 148.

#### 102 TRIGONOMETRY
3 Units
Mathematics 102 is a course in plane trigonometry that emphasizes the analytic aspects of the subject including trigonometric functions of right, acute and related angles, trigonometric identities and equations, radian measure, functions of two angles, logarithms, right and oblique triangles, inverse functions, complex numbers, and polar coordinates. Lecture 3 hours. **Prerequisite:** Placement is based on a composite of test scores and academic background or satisfactory completion of Mathematics 101. **Recommended preparation:** Mathematics 140. **Transfer credit:** CSU (CAN MATH 8)

#### 103 CALCULUS AND ANALYTIC GEOMETRY
5 Units
Mathematics 103 is the first of a sequence of three courses combining the subject matter of analytic geometry and calculus. Functions and their graphs are studied with special attention to differentiation, limits, rules and integration using various techniques. Applications of both differentiation and integration are covered. Lecture 5 hours. **Prerequisite:** Placement is based on a composite of test scores and academic background or satisfactory completion of Mathematics 110. **Transfer credit:** CSU, UC, USC (CAN MATH 18)

#### 104 CALCULUS AND ANALYTIC GEOMETRY
5 Units
Mathematics 104 is a study of transcendental functions, techniques of integration, polar coordinates, parametric equations, conic sections, indeterminate forms and infinite series. Lecture 5 hours. **Prerequisite:** Mathematics 103. **Transfer credit:** CSU, UC, USC (CAN MATH 20)

#### 105 CALCULUS AND ANALYTIC GEOMETRY
4 Units
Mathematics 105 is a course in vector calculus. Topics covered include vector functions, vector differentiation, parametric equations, vectors in three and higher dimensional space, multiple integration, and an introduction to vector analysis including divergence, curl, and Stokes' Theorem. Lecture 4 hours. **Prerequisite:** Mathematics 104. **Transfer credit:** CSU, UC, USC (CAN MATH 22)

#### 107 LINEAR ALGEBRA
3 Units
Mathematics 107 covers the topics of vector spaces, linear transformations and matrices, matrix algebra, determinants, eigenvalues and eigenvectors, and solutions of systems of equations. Lecture 3 hours. **Prerequisite:** Mathematics 104. **Recommended preparation:** Mathematics 105. **Transfer credit:** CSU, UC, USC (CAN MATH 26)
All students who have not taken a math course at Glendale Community College or other accredited institution are required to take a math placement exam prior to enrolling in any math course, except Math 190. Following the initial placement, students advance in the sequence by successfully completing a math course, not by retesting.

AA/AS graduation requirement

Notes: 1. Dashed line indicates acceptable, but not recommended paths.
2. Those courses which are circled are not transferable to CSU or UC.
3. Lib. Arts 135 and Trig. 102 are not UC transferable.
4. See counselor for further details and other options.
* Math 158 also leads to Math 141.
108 ORDINARY DIFFERENTIAL EQUATIONS
3 Units
Mathematics 108 covers the solution of ordinary differential equations using various techniques including variation of parameters, the Laplace transform, power series, and numerical methods. Systems of linear differential equations and an introduction to Fourier Series are also covered. Applications are drawn from the physical sciences. Lecture 3 hours. Prerequisite: Mathematics 104. Recommended preparation: Mathematics 105. Transfer credit: CSU, UC, USC (CAN MATH 24)

110 PRECALCULUS
5 Units
Mathematics 110 is a course designed for review of those algebraic concepts needed for the study of calculus. The course includes a more thorough study of algebraic and trigonometric functions. The course emphasizes linear and quadratic equations and inequalities, graphs of linear and quadratic functions, conic sections, polynomial functions, systems of equations, matrices and determinants, mathematical induction, trigonometric functions, inverse trigonometric functions, trigonometric identities and equations, and right and oblique triangles. Lecture 5 hours. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of Mathematics 101. Recommended preparation: Mathematics 140. Note: A maximum of 6 units may be earned from any combination of Mathematics 100, 102, and 110. Transfer credit: CSU, UC, USC (CAN MATH 16)

111 FINITE MATHEMATICS
5 Units
Mathematics 111 is an integrated course in mathematics for business, management, and social science majors. Topics in this course include: the mathematics of finance; matrices; linear programming, including the simplex method, logic and set theory, probability with an introduction to statistics; Markov chains; and game theory. Lecture 5 hours. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of Mathematics 101. Transfer credit: CSU, UC, USC (CAN MATH 12)

112 CALCULUS FOR BUSINESS
5 Units
Mathematics 112 is a one semester course in calculus for business, management, and social science majors. Topics in this course include: techniques of differentiation; maximum-minimum problems; curve sketching; derivatives and applications of exponential and logarithmic functions; techniques of integration; simple differential equations; the calculus of functions of several variables, including Lagrange multipliers and multiple integration. Lecture 5 hours. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of Mathematics 101. Recommended preparation: Mathematics 100. Transfer credit: CSU, UC, USC (CAN MATH 34)

115 SURVEY OF MATHEMATICS
3 Units
Mathematics 115 is non-transferable course designed to satisfy the mathematics proficiency requirement for the A.A. or A.S. degree. There is an emphasis on problem solving and decision making. Topics which may be covered include problem solving techniques, using measurement in decision making, calculating possibilities, measuring certainty, tree diagrams, probabilities and estimation, individual and group behavior, and methods of recognizing consensus. Lecture 3 hours. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of Mathematics 141, or 146 or 148.

135 LIBERAL ARTS MATHEMATICS
3 Units
Mathematics 135 is a one-semester course designed for liberal arts majors. Topics in this course include voting systems and how to measure power, game theory, apportionment, probability and statistical inference. Lecture 3 hours. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of Mathematics 101. Transfer credit: CSU

136 STATISTICS
3 Units
Mathematics 136 is a one-semester course designed for students whose major requires a course in statistics. Topics in this course include: the nature of statistical methods, types of data, introductory probability, sampling theory, experimental design, confidence intervals, hypothesis testing, regression analysis, and decision making. Emphasis is placed on the application of statistical concepts and the interpretation of results. Lecture 3 hours. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of Mathematics 101. Note: A maximum of 3 units may be earned for Mathematics 136, Economics 107, Political Science 107, Psychology 107, or Sociology 107. Transfer credit: CSU, UC, USC (CAN STAT 2)

138 MATHEMATICS FOR ELEMENTARY TEACHERS
3 Units
Mathematics 138 is a one-semester course designed for prospective elementary school teachers. Topics in this course include: problem-solving techniques, set operations, functions, number theory, ratio, proportion and percent, and math study skills. Lecture 3 hours. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of Mathematics 101. Transfer credit: CSU, UC, USC

140 PLANE GEOMETRY
3 Units
Mathematics 140 is a comprehensive course in plane geometry. The course includes sets and geometric figures, congruence, parallel lines and parallelograms, circles, inequalities, proportion and similar polygons, loci, constructions, and areas of polygons. Lecture 3 hours. Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of Mathematics 141, or 146 or 148.
141 BEGINNING ALGEBRA  
4 Units  
Mathematics 141 is a one semester review course in the fundamental operations of algebra. The course focuses on solution of linear and quadratic equations, algebraic operations, factoring algebraic fractions, exponents and radicals, and systems of linear equations. This course is the equivalent of one year of algebra in high school and is designed for students to review their algebra. Lecture 5 hours.  
Prerequisite: Placement is based on a composite of test scores and academic background or satisfactory completion of Mathematics 145 or 158.  
Note: This course may not be taken for credit by students who have completed Mathematics 146 or 148. A maximum of 4 units will be granted for Mathematics 141 and 145.

145 ELEMENTARY ALGEBRA I  
2 Units  
Mathematics 145 is designed to cover the fundamental operations of algebra normally included in the first semester of a year course taught in the secondary school, and includes signed numbers, solution of linear equations, algebraic manipulation of powers, polynomials, factoring, and rational expressions. The course should be elected by students who have never studied algebra or who have studied it for less than one year. Lecture 4 hours.  
Prerequisite: Placement based on a composite of test scores and academic background or satisfactory completion of Mathematics 153 or 158.  
Note: This course may not be taken for credit by students who have completed Mathematics 141 or 146.

146 ELEMENTARY ALGEBRA II  
2 Units  
Mathematics 146 is a continuation of Mathematics 145 and completes the topics covered in one full year of beginning algebra as taught in the secondary school. This course covers the fundamental operations of algebra including graphing linear equations, solving linear systems, roots and radicals, and quadratic equations. Lecture 4 hours.  
Prerequisite: Mathematics 145.  
Note: This course may not be taken for credit by students who have completed Mathematics 141 or 148.

148 APPLIED ALGEBRA  
4 Units  
Mathematics 148 is a continuation of Mathematics 158 and completes the topics covered in one full year of algebra as taught in the secondary schools. The course investigates problem-solving techniques in the context of "real-life" situations. The fundamental operations of algebra, including solutions to quadratic equations, are covered. Students use powers, roots, systems of linear equations, factoring, and formulas to solve problems. Radicals and rational expressions and equations are also covered. Students participate in laboratory exercises that use mathematical principles learned in the lectures and from the text. Lecture 4 hours, laboratory 1 hour.  
Prerequisite: Placement based on a composite of test scores and academic background or satisfactory completion of Mathematics 145 or 158.  
Note: This course may not be taken for credit by students who have completed Mathematics 141 or 146. A maximum of 4 units may be earned for Mathematics 148 and 145.

151 BASIC ARITHMETIC  
½-2 Units  
NON-DEGREE APPLICABLE  
Mathematics 151 is a self-paced remedial course in the fundamental processes of arithmetic designed to develop both accuracy and speed in the computation using whole numbers, fractions, decimals, percent, and properties of the decimal number system. Lecture 2 hours, laboratory 1 hour.  
Prerequisite: Placement is based on a composite of test scores and academic background.  
Note: The student will receive ½ unit of credit for each module successfully completed. A maximum of 2 units may be earned for Mathematics 151 and 152.

152 BASIC MATHEMATICS  
2 Units  
NON-DEGREE APPLICABLE  
Mathematics 152 is a lecture-based remedial course in the fundamental processes of arithmetic designed to develop skill in computation, using whole numbers, fractions, decimals, percent, and properties of the decimal number system. The use of calculators is integrated into the course. Lecture 2 hours.  
Prerequisite: Placement is based on a composite of test scores and academic background.  
Recommended preparation: Eligibility for English 189 or ESL 131 or planning to enroll in ESL 121 during the same semester.  
Note: A maximum of 2 units may be earned for Mathematics 151 and 152.

153 PREALGEBRA  
½ Units  
NON-DEGREE APPLICABLE  
Mathematics 153 is a remedial course in the fundamental processes of prealgebra, with an emphasis on the arithmetic of signed numbers. Rules of exponents, first degree equations, study and test-taking techniques related to mathematics are also covered. Lecture 1½ hours.  
Prerequisite: Placement is based on a composite of test scores and academic background or 2 units of credit in Mathematics 151 or satisfactory completion of Mathematics 152.  
Note: A maximum of 3 units may be earned for Mathematics 153 and 158.

158 APPLIED PREALGEBRA  
3 Units  
NON-DEGREE APPLICABLE  
Mathematics 158 is a course in the fundamental process of prealgebra which investigates problem-solving techniques in the context of "real-life" situations. Students learn the arithmetic of signed numbers and different ways to represent numbers. Students learn to use calculators and measuring tools while participating in laboratory exercises that use the mathematical principles learned in the lecture and problem-solving sessions. Metric and English unit measurements, formulas, ratios, and proportions are explained. Introductory geometry is covered. The course should be selected by students who have never successfully completed the first year of high school algebra. Lecture 3 hours, laboratory 1 hour.  
Prerequisite: Placement is based on a composite of test scores and academic background or 2 units of credit in Mathematics 151, or satisfactory completion of Mathematics 152.  
Note: A maximum of 3 units will be granted for Mathematics 153 and 158.

190 OVERCOMING MATH ANXIETY  
1 Unit  
NON-DEGREE APPLICABLE  
Mathematics 190 is designed to provide students of varying mathematical backgrounds with the knowledge, skills, and attitudes to be successful in their mathematics related goals. Topics include problem solving, test-taking, and stress reduction. Lecture 2 hours (6 weeks).  
Prerequisite: None.
**MATHEMATICS, BUSINESS**

See Business Office Technology 110

**MATHEMATICS, TECHNICAL**

See Technical Education 142, 143; Electronics & Computer Technology 100

**METALLURGY**

150

**PRINCIPLES OF METALLURGY AND HEAT TREATING**

(Also listed as Metals 150)

3 Units

Metallurgy 150 is the study of principles governing the selection, use, and treatment of metals and alloys in manufacturing and related technologies. Lecture 3 hours. **Prerequisite:** None. **Note:** This course may not be taken for credit by students who have completed Metals 150.

**MUSIC**

Some music courses were renumbered in Spring, 1994. Use the following list to find the new course numbers

<table>
<thead>
<tr>
<th>OLD COURSE NUMBERS</th>
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The following music performance/ensemble courses may be offered for fewer than the stated units: Music 141, 143, 144, 145, 146, 147, 152, 159, 170, 230, 231, 232, 233, 234, 235, 236, 237, 238.

104

**MUSICIANSHIP I**

2 Units

Music 104 is a course designed to train the student to recognize the various intervals and rhythms used in composition and to use them in functional application through sight singing and ear training exercises. Music 104 is required for music majors. Lecture 2 hours, laboratory 1 hour. **Recommended preparation:** Study of piano is strongly recommended. Students should have some knowledge of rhythmic patterns, scales, intervals and notation. **Transfer credit:** CSU, UC, USC

105

**MUSICIANSHIP II**

2 Units

Music 105 is a continuation of Music 104 with further emphasis on sight singing and ear training as well as the ability to perform melodic passages based on the major and minor modes. Basic harmonic progressions are also emphasized with application to melodic patterns and rhythms. Music 105 is required for music majors. Lecture 2 hours, laboratory 1 hour. **Prerequisite:** Music 104. **Note:** For the non-pianist, concurrent study of piano is strongly recommended. Students should have some knowledge of scales, intervals, key signatures, triad notation and identification, time signatures and note values. **Transfer credit:** CSU, UC, USC

107

**HARMONY I**

3 Units

Music 107 develops an understanding of compositional techniques. Emphasis is placed on scales, intervals, triads, inversions, basic voice leading, figured bass, and simple harmonization. Music 107 is required for music majors. Lecture 3 hours. **Prerequisite:** Music 104. (Music 104 may be taken concurrently.) **Note:** For the non-pianist, concurrent study of piano is strongly recommended. **Transfer credit:** CSU, UC, USC

**METALS**

150

**PRINCIPLES OF METALLURGY AND HEAT TREATING**

(Also listed as Metallurgy 150)

3 Units

Metals 150 is the study of principles governing the selection, use, and treatment of metals and alloys in manufacturing and related technologies. Lecture 3 hours. **Prerequisite:** None. **Note:** This course may not be taken for credit by students who have completed Metallurgy 150.
108 HARMONY II
3 Units
Music 108 develops an understanding of compositional techniques. Emphasis is placed on cadences, modulations, dominate sevenths, secondary dominants and analysis. Music 108 is required for music majors. Lecture 3 hours. Prerequisite: Music 107 and Music 105. (Music 105 may be taken concurrently.) Note: For the nonpianist concurrent study of piano is strongly recommended. Transfer credit: CSU, UC, USC

110 MUSIC/ART APPRECIATION
(Also listed as Art 110)
3 Units
Music 110 is a team-taught course which offers a comparative overview of western art and music from the prehistoric era to the present. This introductory course presents influential figures in each period and analyzes major influences on their work. The relationship between music and art is explored, along with changing trends in thought and techniques. Lecture 3 hours. Prerequisite: None. Note: This course may not be taken for credit by students who have completed Art 110. Transfer credit: CSU, UC, USC

120 MUSIC APPRECIATION
3 Units
Music 120 traces the evolution of music over the past 1500 years, with a special emphasis on understanding how to listen for greater enjoyment. Students learn the basic elements of music, such as form and structure, families and subgroups of musical instruments, as well as learning about specific composers and works. Lecture 3 hours. Prerequisite: None. Note: This course may not be taken for credit by students who have completed Music 125 or 126. This course is designed especially for non-music majors. Music majors should enroll in Music 125 and 126. The student is required to attend five (5) classical concerts and submit concert reports. Transfer credit: CSU, UC, USC

125 HISTORY AND LITERATURE
3 Units
Music 125 covers the history of music from the early Christian era through the Baroque Period. In addition to lectures and readings, the course includes a study of live and recorded musical performances. Recognition of composers and styles is emphasized. Lecture 3 hours, directed listening 2 hours. Recommended preparation: It is strongly recommended that students entering Music 125 be able to read music well enough to identify key signatures and transpositions, and be able to follow a musical score. Note: Students are required to attend six (6) concerts featuring music from the historical periods being studied, and to submit six (6) concert reports. Students are urged to take Music 125 and 126 within the same academic year. Transfer credit: CSU, UC, USC (CAN MUS 8)

126 HISTORY AND LITERATURE
3 Units
Music 126 begins with the mid-18th century and continues with musical history through the present day. In addition to lectures and readings, the course includes a study of live and recorded musical performances. Recognition of composers and styles is emphasized. Lecture 3 hours, directed listening 2 hours. Recommended preparation: It is strongly recommended that students entering Music 126 be able to read music well enough to identify key signatures and transpositions, and be able to follow a musical score. Note: Students are required to attend six (6) concerts featuring music from the historical periods being studied, and to submit six (6) concert reports. Students are urged to take Music 125 and 126 within the same academic year. Transfer credit: CSU, UC, USC (CAN MUS 10)

127 WORLD MUSIC
3 Units
Music 127 is designed to provide non-majors with a broader understanding of the multi-cultural world community. Students are introduced to non-western music as it occurs in Africa, the Middle East and Asia. Musical expression is viewed as an outgrowth of diverse cultural needs. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

128 MUSIC OF AMERICA
3 Units
Music 128 is a survey of the music from Province America to the present day, focusing on the major musical forms of each historical period and the events that influenced them. Historical information and musical examples of hymnody, gospel, folk, frontier music, ragtime, jazz, music theatre, concert music, motion picture, television, and electronic music will be included. The course is designed for elective credit for music majors and humanities. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

129 COMMERCIAL VOICE
2 Units
Music 129 is an introduction to the basic principles of vocal production as they apply to singing songs from contemporary commercial idioms, including popular songs, jazz, gospel, Broadway show tunes, and rock singing. Emphasis is placed on posture, breathing, resonance, style, microphone technique, movement, program development, and presentation. Literature appropriate for each voice range and ability is studied. Students are required to perform songs from memory. Lecture 2 hours, laboratory 1 hour. Prerequisite: None. Note: This course may be taken 4 times; a maximum of 8 units may be earned.

135 VOICETRAINING I
2 Units
Music 135 stresses the principles of correct vocal production and their application to songs and ballads in English. Emphasis is placed on the following: proper breathing habits, the relationship between breathing and tone making, vocal health, range, resonance, registration, poise, posture, and song presentation. The development of an appreciation for the vocal arts is an important aspect of the course. Lecture 2 hours. Prerequisite: None. Note: This course may be taken 2 times; a maximum of 4 units may be earned. Transfer credit: CSU, UC, USC
136 VOICE TRAINING II
2 Units
Music 136 is a continuing focus upon the principles of correct vocal production and their application to songs and ballads in English. Foreign art songs are introduced; more difficult exercises both musically and vocally are stressed. Further emphasis is placed on legato singing, diction, interpretation, and expression. The development of an appreciation for the vocal arts is of continuing importance. Lecture 2 hours. **Prerequisite:** Music 135 or equivalent. **Note:** This course may be taken 2 times; a maximum of 4 units may be earned. **Transfer credit:** CSU, UC, USC

137 VOICE TRAINING III
2 Units
Music 137 is a continuation and broadening of the principles of vocal production and proper use of the breath in singing as outlined in Music 135 and 136. More difficult literature is explored, including contemporary music and several songs in foreign languages. Performances and recital. Lecture 2 hours. **Prerequisite:** Music 136 or equivalent. **Note:** This course may be taken 2 times; a maximum of 4 units may be earned. **Transfer credit:** CSU, UC, USC

140 APPLIED MUSIC
2 Units
Music 140 is a course in individual and ensemble performance. Students receive eight hours of private instruction on a solo instrument. Emphasis is on solo performance through individual instruction and participation in a recital class and on ensemble performance through participation in a performing laboratory. Lecture 1 hour, laboratory 3½ hours. **Prerequisite:** None. **Note:** An audition is required. The student must demonstrate a basic proficiency on his or her instrument. This course may be taken 4 times; a maximum of 8 units may be earned. **Transfer credit:** CSU, UC, USC

141 CONCERT BAND
½-1 Unit
Music 141 is for students who wish to learn the techniques used in performing concert band literature, and who wish to perform with other instrumentalists. Emphasis is placed on developing music reading skills and gaining additional familiarity with the stylistic differences between composers. Selected works are rehearsed and performed. Performance 3 hours. **Prerequisite:** Ability to perform on a standard band instrument. **Note:** This course may be taken 4 times; a maximum of 4 units may be earned. An audition may be required. **Transfer credit:** CSU, UC, USC

143 JAZZ BAND
½-1 Unit
Music 143 is for students who wish to learn the techniques used in performing jazz and big band literature, and who wish to perform with other instrumentalists or with singers. Emphasis is placed on developing music reading skills and gaining additional familiarity with improvisational techniques. Selected works by 20th-century composers are rehearsed and performed. Performance 3 hours. **Prerequisite:** Ability to perform in a proficient manner on the trumpet, trombone, saxophone, drums, bass, guitar, or piano. **Note:** This course may be taken 4 times; a maximum of 4 units may be earned. Membership is limited and an audition may be required. **Transfer credit:** CSU, UC, USC

144 WOODWIND ENSEMBLE
1 Unit
Music 144 is a small instrumental group which plays for college and community activities. Emphasis is on balance, dynamics, phrasing, and interpretation. Performance 3 hours. **Prerequisite:** Ability to play a musical instrument in a band, orchestra, or chamber music ensemble. **Note:** This course may be taken 4 times; a maximum of 4 units may be earned. **Transfer credit:** CSU, UC, USC

145 BRASS ENSEMBLE
1 Unit
Music 145 is a small instrumental group which plays for college and community activities. Emphasis is on balance, dynamics, phrasing, and interpretation. Performance 3 hours. **Prerequisite:** Ability to play a musical instrument in a band or orchestra. **Note:** This course may be taken 4 times; a maximum of 4 units may be earned. **Transfer credit:** CSU, UC, USC

146 COMMUNITY ORCHESTRA:
LITERATURE 1725-1850
½-1 Unit
Music 146 is a performance class which emphasizes standard orchestral repertoire from the Baroque era through the romantic period. Literature includes overtures, symphonies and suites. Emphasis is placed on interpretation and style. Performance 3 hours. **Prerequisite:** Ability to perform on a standard orchestral instrument. **Note:** This course may be taken 4 times; a maximum of 4 units may be earned. **Transfer credit:** CSU, UC, USC

147 COMMUNITY ORCHESTRA:
LITERATURE 1825-1950
½-1 Unit
Music 147 is a performance class which emphasizes standard orchestral repertoire from the Romantic era through the twentieth century. Concerto literature and programatic music are featured. Emphasis is placed on interpretation and style. Performance 3 hours. **Prerequisite:** Ability to perform on a standard orchestral instrument. **Note:** This course may be taken 4 times; a maximum of 4 units may be earned. **Transfer credit:** CSU, UC, USC

152 STRING ENSEMBLE
1 Unit
Music 152 is a small instrumental group which plays for college and community activities. Emphasis is on balance, dynamics, phrasing, and interpretation. Performance 3 hours. **Prerequisite:** Ability to play a musical instrument in a band or orchestra. **Note:** This course may be taken 4 times; a maximum of 4 units may be earned. **Transfer credit:** CSU, UC, USC

156 CLASSICAL GUITAR I
2 Units
Music 156 is for students who wish to learn the elementary techniques of guitar playing. Included are the studies of fundamental music reading, skills, notation for guitar, tuning, playing techniques, fingerings, key signatures and scales, and the performance of easy solo guitar music in the first position. Another aspect of the course is to foster an appreciation for the classic guitar, its literature and performing artists. No previous musical training is required. Lecture 1 hour, laboratory 1 hour. **Prerequisite:** None. **Note:** Students are required to have a standard six (6) string guitar to use in class and are expected to practice one (1) hour a day. This course may be taken 2 times; a maximum of 4 units may be earned. **Transfer credit:** CSU, UC, USC
157  
**CLASSICAL GUITAR II**  
2 Units  
Music 157 continues with the study of basic classic guitar techniques. Dynamics, ligados, and grace notes are introduced. Students become acquainted with the entire fingerboard through scales in the 2nd, 4th, 5th, 7th, and 9th positions, and also through selected compositions for the guitar from the 18th and 19th centuries, and solo arrangements of familiar tunes. Chord structure is discussed and applied to the fingerboard. Lecture 1 hour, laboratory 1 hour. Three (3) hours practice by arrangement. **Prerequisite:** Music 156 or equivalent. **Note:** Students are required to have a standard six (6) string guitar to use in class and are expected to practice one (1) hour a day. This course may be taken 2 times; a maximum of 4 units may be earned. **Transfer credit:** CSU, UC, USC

158  
**CLASSICAL GUITAR III**  
2 Units  
Music 158 proceeds with techniques and compositions of intermediate level. Included for study are selected pieces from the Renaissance, Baroque, Classic, and Romantic eras, as well as solo arrangements of familiar tunes. Knowledge of the entire fingerboard is further enhanced by the practice of two and three octave scales. Basic skills for transcribing music written for keyboard are introduced. Lecture 1 hour, laboratory 1 hour. Three (3) hours practice by arrangement. **Prerequisite:** Music 157 or equivalent. **Note:** Students are required to have a standard six (6) string guitar to use in class and are expected to practice one (1) hour a day. This course may be taken 2 times; a maximum of 4 units may be earned. **Transfer credit:** CSU, UC, USC

159  
**CLASSICAL GUITAR ENSEMBLE**  
½-1 Unit  
Music 159 is for students who wish to learn the techniques used in performing guitar duos, trios, and quartets and who wish to perform with other instruments or with singers. Emphasis is placed on developing music reading skills and gaining additional familiarity with the guitar and its potential as an ensemble instrument. Selected works from the various periods of music history are rehearsed, and performed. Performance 3 hours. **Prerequisite:** Music 157 or equivalent. **Note:** This course may be taken 4 times; a maximum of 4 units may be earned. Students are required to have a standard acoustic guitar equipped with nylon strings for use in class and for practice outside of class. An audition may be required. (Prior to Fall 1991, Music 159 was Classical Guitar IV.) **Transfer credit:** CSU, UC, USC

162  
**PIANO III**  
2 Units  
Music 162 covers the theory and interpretation of works from the preclassical, classical, and romantic periods as well as modern and contemporary music. Emphasis on development of technique, style, tone-color, dynamics and phrasing. Lecture 2 hours. **Prerequisite:** Music 161 or one year of piano experience. **Note:** This course may be taken 2 times; a maximum of 4 units may be earned. It is recommended that the student have a piano available for practice and is expected to practice one (1) hour a day. **Transfer credit:** CSU, UC, USC

163  
**PIANO WORKSHOP**  
1 Unit  
Music 163 is for advanced students who can benefit from individual study and supervised practice time. Piano Lab allows students to study solo repertoire, accompanying, ensemble playing, sight-reading, and improvisation. Lecture 1 hour, laboratory 1 hour. **Prerequisite:** Music 161 or equivalent. **Note:** This course may be taken 4 times; a maximum of 4 units may be earned. (Prior to Fall 1991, Music 163 was Piano IV.) **Transfer credit:** CSU, UC, USC

170  
**MUSIC THEATRE WORKSHOP**  
3 Units  
Music 170 is designed to provide training and experience in the art of musical theatre. Performance of a major production is the objective of the course. Students have the opportunity to participate in the rehearsals and the development of the performances. Course work provides experience in the techniques of stage ensemble, acting, technical stage, costuming, and makeup. Auditions are held for all roles. Lecture 2 hours, laboratory 3 hours. **Prerequisite:** Ability to sing with good pitch and acceptable vocal quality. **Note:** This course may be taken 4 times; a maximum of 12 units may be earned. **Transfer credit:** CSU, UC, USC

171  
**COMMERCIAL MUSIC**  
3 Units  
Music 171 offers prospective musicians an introduction into the many vocational aspects of their field. It is designed to provide a basic understanding of such essentials as fields of commercial music employment opportunities, seeking employment, copyright law, typical financial transactions, modern recording procedures. Lecture 3 hours. **Prerequisite:** None. **Transfer credit:** CSU
175 SYNTHESIZER—ELECTRONIC MUSIC I
3 Units
Music 175 is a study of the synthesizer and electronic music through discussion of the history and literature and the practical use of electronic instruments. Instruction 3 hours, directed practice by arrangement 3 hours. Prerequisite: None.

230 CHORUS
½-1 Unit
Music 230 is a beginning course in the appreciation and performance of standard choral literature, with special emphasis on principles of part singing, vocal control, interpretation, diction, phrasing, and breath control. Public performances may be required. Performance 3 hours. Prerequisite: None. Note: An audition is required. This course may be taken 4 times; a maximum of 4 units may be earned. Transfer credit: CSU, UC, USC

231 COLLEGE CHOIR
1 Unit
Music 231 is a beginning course in the appreciation and performance of advanced choral literature, with special emphasis on principles of part singing, vocal control, interpretation, diction, phrasing, and breath control. Public performances may be required. Performance 3 hours. Prerequisite: None. Note: Students must demonstrate the ability to match pitches and maintain steady rhythm. An audition is required. This course may be taken 4 times; a maximum of 4 units may be earned. Transfer credit: CSU, UC, USC

232 CHAMBER CHORALE: WINTER PRODUCTIONS
1 Unit
Music 232 is a course in the appreciation and performance of choral literature written for treble voices. Emphasis is placed on music written prior to 1800 and appropriate seasonal literature. Public performance is required. Performance 3 hours. Prerequisite: None. Note: Students must have the ability to match pitches and maintain a steady rhythm. An audition is required. This course may be taken 4 times; a maximum of 4 units may be earned. Transfer credit: CSU, UC, USC

233 CHAMBER CHORALE: FESTIVAL
½-1 Unit
Music 233 is a course in the appreciation and performance of choral literature written for treble voices. Emphasis is placed on music written after 1800 and other art music suitable for performance at adjudicated festivals. Public performance is required. Performance 3 hours. Prerequisite: None. Note: Students must have the ability to match pitches and maintain a steady rhythm. An audition is required. This course may be taken 4 times; a maximum of 4 units may be earned. Transfer credit: CSU, UC, USC

234 CONCERT SINGERS: MADRIGAL FEASTE
½-1 Unit
Music 234 is a course in the appreciation and performance of traditional choral literature. Emphasis is placed on music composed prior to 1700. Public performance is required. Performance 3 hours. Prerequisite: None. Note: Students must demonstrate the ability to match pitches and maintain steady rhythm. An audition is required. This course may be taken 4 times; a maximum of 4 units may be earned. Transfer credit: CSU, UC, USC

235 CONCERT SINGERS: MASTERWORKS
½-1 Unit
Music 235 is a course in the appreciation and performance of traditional choral literature. Emphasis is placed on music composed after 1700. Public performance is required. Performance 3 hours. Prerequisite: None. Note: Students must demonstrate the ability to match pitches and maintain steady rhythm. An audition is required. This course may be taken 4 times; a maximum of 4 units may be earned. Transfer credit: CSU, UC, USC

236 VOCAL ENSEMBLE: HOLIDAY REVIEW
½-1 Unit
Music 236 is the study and performance of choral literature composed for small vocal ensembles. Vocal music in both popular and jazz idioms is studied. Traditional seasonal music is emphasized. Some of the music may be choreographed. Performance 3 hours. Prerequisite: None. Note: An audition is required. Membership in other performance groups may be required. This course may be taken 4 times; a maximum of 4 units may be earned. Transfer credit: CSU, UC, USC

237 VOCAL ENSEMBLE: JAZZ/SHOW CLASSICS
½-1 Unit
Music 237 is the study and performance of choral literature composed for small vocal ensembles. Vocal music in both show (popular) and jazz idioms is studied. Some of the music may be choreographed. Performance 3 hours. Prerequisite: None. Note: An audition is required. Membership in other performance groups may be required. This course may be taken 4 times; a maximum of 4 units may be earned. Transfer credit: CSU, UC, USC

238 CHORALOGRAPHY
½-1 Unit
Music 238 is the study and performance of movement for choral literature composed for small vocal ensembles. Vocal music in both popular and jazz idioms is studied in this course. Some traditional seasonal music is also studied. Emphasis is placed on movement that is appropriate for the choral singer. Performance 3 hours. Prerequisite: None. Corequisite: Music 236 or 237. Note: An audition with the instructor is required. Membership in other performance groups may be required. This course may be taken 4 times; a maximum of 4 units may be earned. Transfer credit: UC, USC

239 TOUR CHOIR
½-1 Unit
Music 239 is a course which offers singers the opportunity to travel and perform choral masterworks in the great performance halls and churches of the world. Emphasis is placed on a combination of American literature and the literature of the countries that are visited on the tour. All solo material is performed by members of the tour choir. Performance 3 hours. Prerequisite: None. Note: Students must demonstrate good musicianship, be able to sing on pitch, maintain steady rhythm and display a sensitivity to choral blending of voices. An audition may be required. This course may be taken 4 times; a maximum of 4 units may be earned. See instructor for estimated cost. Transfer credit: CSU
CONCERT SINGERS: HOLIDAY CONCERT
1½-1 Unit
Music 240 is a course in the appreciation and performance of traditional choral literature. Emphasis is placed on non-orchestral music composed for the winter holiday season. Public performance is required. Performance 3 hours. Prerequisite: None. Note: Students must demonstrate the ability to match pitches and maintain steady rhythm. An audition is required. This course may be taken 4 times; a maximum of 4 units may be earned. Transfer credit: CSU, UC, USC

NATIONAL FIELD STUDIES

148 NATIONAL FIELD STUDY
1-6 Units
One unit of elective credit to be offered for six days of supervised travel and study up to a maximum of six units for 36 days, under the direction of a credentialed instructor. Prerequisite: Approval of program and units of credit attempted must be obtained from the Executive Vice President, Instructional Services prior to the domestic travel. Transfer credit: CSU

NURSING

The Allied Health Division offers a Vocational Nursing Program, a generic Registered Nursing Program, and a Career Ladder LVN-RN Program. These programs are described in the Associate in Science Majors and Certificate Programs section of this catalog. The curricula for these programs are currently being revised for implementation in 1998-1999. The new courses will be under the heading Nursing Science. Please consult the division office or the nursing counselor for more information.

EMERGENCY MEDICAL TECHNICIAN

140 EMERGENCY MEDICAL TECHNICIAN
(Formerly Emergency Medical Technology 101)
6½ Units
Allied Health 140 is a training program which provides the student with the opportunity to acquire the knowledge and skills needed to provide emergency care and transportation of the sick and injured. The course includes 24 hours of hospital and ambulance experience. Lecture 6 hours, laboratory 1½ hours. Prerequisite: Eligibility for English 120 or ESL 151. On the first day of class students must be in possession of a Class "C" CPR card which is valid for the entire semester. Note: Upon completion of Allied Health 140 with a grade of "C" or better, the student is eligible to take the Los Angeles County Department of Health Services examination for certification as an EMT-I. Certification is required for employment as an ambulance attendant in California. Many fire departments require EMT-I certification as a prerequisite for application and testing.

141 EMERGENCY MEDICAL TECHNOLOGY REFRESHER COURSE
(Formerly Emergency Medical Technology 102)
1½ Units
Allied Health 141 provides the California Emergency Medical Technician with an update of recent procedural and regulatory changes in EMT practice. New and previously learned competencies related to equipment and techniques employed in emergency care are emphasized. Critical content for emergency response and treatment is reviewed. Lecture 5 hours (5 weeks). Prerequisite: Completion of Allied Health 140 or the equivalent with a "C" or better. Note: This course may be taken 4 times; a maximum of 6 units may be earned.

145 NURSING ASSISTANT: LONG TERM CARE AND HOME HEALTH
6½ Units
Allied Health 145 offers the student an introduction to basic nursing and the health care field by working with residents and patients in long term care and home settings. Emphasizing the role of the certified nursing assistant on the health care team, the needs of the long term and aging patient are studied. Nursing skills and clinical procedures, patient needs, interpersonal skills, safety, nutrition, rehabilitation, and supervised clinical experiences are included. Lecture 4 hours, laboratory 7½ hours. Prerequisite: Eligibility for English 120 or ESL 151 and eligibility for Mathematics 153. Possess a current CPR card (Class "C" or BCLS). Note: This is a short term course which is offered only as Credit/No Credit. Health clearance is required. Students successfully completing this course receive documentation of course completion and are eligible to apply to the State of California to take the written and manual skills test for certification as a nursing assistant. Students who complete the course and receive certification also receive a Home Health Aide Certificate. Applicants for state certification may be denied certification by the state for prior convictions which substantially relate to the qualifications and duties of a nurse assistant or home health aide (AB 3477).

NURSING, VOCATIONAL

101 FUNDAMENTALS OF NURSING
4 Units
Allied Health 101 is the study of basic concepts and principles common to all areas of nursing. It is designed to assist the beginning student in the ability to render quality care and be able to carry out the nursing care involved in meeting the many needs of patients regardless of their condition and diagnosis. Lecture 4 hours. Prerequisite: Selection for enrollment in the Vocational Nursing Program and completion of Allied Health 105 or Biology 115, Psychology 101 and 108 (or equivalents) and eligibility for English 120 or ESL 151. Recommended preparation for non-native English speakers: Eligibility for ESL 153.
103 BASIC PHARMACOLOGY FOR NURSES
(Also listed as Nursing 103)
2 Units
Allied Health 103 provides the vocational nursing student with an introduction to the principles of pharmacology. Emphasis is placed on the computational skills required for the safe administration of commonly ordered medications, the knowledge of federal and state regulations which pertain to the administration of medications, and the responsibilities of the nurse. Drugs are discussed in relation to classification, indication for use, desired outcomes and adverse reaction on all age groups, contraindications and nursing implications. The nursing process is used to assist the student integrate the knowledge and skills necessary to understand the relationship between the patient, drug therapy and the nurse. Lecture 2 hours. Prerequisite: Selection for enrollment in the Vocational Nursing Program and eligibility for Mathematics 145. Transfer credit: CSU

105 LIFE SCIENCE
3 Units
Allied Health 105 is a study leading to understanding of the basic concepts in the physical sciences and the normal anatomical and physiological functioning of the human body. This application of broad general principles in caring for medical and surgical patients of all ages is stressed. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151.

107 MEDICAL-SURGICAL NURSING
4 Units
Allied Health 107 is the study of the normal anatomical, physiological functions as well as pathological conditions of the human body, utilizing a systems approach. Emphasis is placed on the study of basic concepts and general principles applicable in caring for medical and surgical patients. Lecture 4 hours. Prerequisite: Selection for enrollment in the Vocational Nursing Program.

108 CLINICAL NURSING
6 Units
Allied Health 108 focuses on the application of theoretical principles and concepts of holistic patient care learned in the didactic setting for Nursing Fundamentals and Medical-Surgical Nursing. Clinical laboratory 18 hours. Prerequisite: Selection for enrollment in the Vocational Nursing Program.

112 MEDICAL-SURGICAL NURSING
4 Units
Allied Health 112 is a study of the anatomical and physiological functions of the body. All content is present utilizing Selye and Maslow in relation to the adult patient and various stages of Erickson's psycho/social development. Emphasis is placed on the study of basic concepts and basic principles applicable in caring for adult patients. Lecture 4 hours. Prerequisite: Completion of preceding Vocational Nursing sequence or equivalent.

113 MEDICAL-SURGICAL NURSING
4 Units
Allied Health 113 is a study of the normal anatomical and physiological functioning of the human body utilizing a systems approach. Included are broad general principles in caring for medical and surgical patients. A methodological approach is utilized in studying pathological conditions amenable to medical-surgical correction incorporating nursing principles and procedures unique to specific body systems. Lecture 4 hours. Prerequisite: Continued enrollment in the Vocational Nursing Program.

114 OBSTETRICS AND CARE OF THE NEWBORN
2 Units
Allied Health 114 is designated to prepare the student nurse to undertake his/her role in providing safe and effective care for the woman during pregnancy, parturition and puerperium, as well as care of the newborn in health and disease. To emphasize family-centered care, the student is provided opportunities to teach, support and to help prepare the mother and father to assume their new roles as parents. Lecture 2 hours. Prerequisite: Completion of preceding Vocational Nursing sequence or equivalent.

116 INTRODUCTORY PEDIATRICS
2 Units
Allied Health 116 utilizes the nursing process to focus on the study of normal development from infancy to adolescence; basic needs of children using Maslow's Hierarch; implications of stress of children and their families; common pathological conditions with emphasis on contagious diseases and their control; as well as common traumatic injuries of childhood. Stressors that influence adaptive and maladaptive behaviors are also discussed. Lecture 2 hours. Prerequisite: Allied Health 101, 103, 105, 107, 108. Corequisite: Allied Health 122.

118 BASIC NUTRITION
2 Unit
Allied Health 118 focuses on the principles of optimal nutrition and their application to the life cycle. Stress is placed on the selection of foods required to meet the psychological, physiological and socioeconomic needs of an individual. Lecture 2 hours. Prerequisite: None.

122 CLINICAL NURSING
7 Units
Allied Health 122 focuses on the application of scientific knowledge and the development of critical thinking skills in providing nursing care to any age group regardless of their conditions or illnesses. All content is presented utilizing Selye, Maslow, and various stages of Erickson's psycho/social development.

Basic principles and content introduced in Allied Health 101, 103 and 108 are reinforced and further developed. Application of broad general principles in caring for patients of all ages is incorporated. Clinical laboratory 21 hours. Prerequisite: Completion of preceding Vocational Nursing sequence or equivalent.

123 CLINICAL NURSING
5 Units
Allied Health 123 is a continuation of Allied Health 122. It focuses on the application of the theoretical knowledge of nursing principles and concepts that are unique to specific systems of the human body throughout their life cycle. Clinical laboratory 24 hours (11 weeks). Prerequisite: Continued enrollment in the Vocational Nursing Program.
134 MENTAL HEALTH AND EMOTIONAL ILLNESS
3 Units
Allied Health 134 deals with some of the basic concepts of the mental health-mental illness continuum. The purpose of the course is to help nursing students deal with adaptive and maladaptive behavior in interpersonal relations and acquire the necessary knowledge to care for emotional components of behavior in patients of all ages. Communication skills, both verbal and non-verbal, are stressed. Lecture 3 hours. Prerequisite: Satisfactory completion of Semester I.

NURSING, REGISTERED

101 FUNDAMENTALS OF NURSING
5 Units
Nursing 101 is the first nursing course in the Registered Nurse Program. The course focuses on the study of basic nursing knowledge, attitudes, and psychomotor skills necessary in promoting, maintaining, and restoring health. Emphasis is on identifying the conceptual framework of the program, application of the nursing process, and fundamentals of nursing. Lecture 2 hours, clinical laboratory 9 hours. Prerequisite: Selection for enrollment in the Registered Nursing Program and completion of Biology 112, 120, and 121, (or equivalents), and eligibility for English 101. Recommended preparation for non-native English speakers: Eligibility for ESL 135. Transfer credit: CSU, USC

103 BASIC PHARMACOLOGY FOR NURSES (Also listed as Allied Health 103)
2 Units
Nursing 103 provides the registered nursing student with an introduction to the principles of pharmacology. Emphasis is placed on the computational skills required for the safe administration of commonly ordered medications, the knowledge of federal and state regulations which pertain to the administration of medications, and the responsibilities of the nurse. Drugs are discussed in relation to classification, indication for use, desired outcomes and adverse reactions on all age groups, contraindications and nursing implications. The Nursing Process is used to assist the student integrate the knowledge and skills necessary to understand the relationship between the patient, drug therapy and the nurse. Lecture 2 hours. Prerequisite: Selection for enrollment in the Registered Nursing Program and eligibility for Mathematics 145. Transfer credit: CSU, USC

105 INTRODUCTION TO MEDICAL-SURGICAL NURSING I
5 Units
Nursing 105 is a continuation of Nursing 101. The course focuses on the study of basic nursing skills and concepts to promote, maintain, and restore health. Emphasis is on the application of the nursing process, communication, introductory medical-surgical nursing, and the care of the general patient/client. Lecture 2 hours, clinical laboratory 9 hours. Prerequisite: Completion of Nursing 101. Transfer credit: CSU, USC

107 MEDICAL-SURGICAL NURSING II
4½ Units
Nursing 107 involves care of adults experiencing health problems related to the gastrointestinal system, endocrine and immune systems, sexual and reproductive systems, and the sensory system. Emphasis is placed upon the study and application of basic concepts and basic principles in caring for medical and surgical patients. Lecture 4 hours, clinical laboratory 15 hours (nine weeks). Prerequisite: Completion of the first semester Registered Nursing sequence or equivalent. Transfer credit: CSU, USC

109 MEDICAL-SURGICAL NURSING III
4½ Units
Nursing 109 involves the study of nursing care of hospitalized patients with respiratory, cardiovascular, dermatologic, hematopoietic, and neoplastic disorders, including fluid and electrolyte and acid base imbalances. Emphasis is placed on the study and application of basic concepts and basic principles in caring for medical and surgical patients. Lecture 4 hours, clinical laboratory 15 hours (nine weeks). Prerequisite: Completion of Nursing 107 or equivalent. Transfer credit: CSU, USC

211 OBSTETRIC NURSING
4 Units
Nursing 211 is the study of basic nursing care during pregnancy, labor, delivery, postpartum, and newborn periods. Knowledge and skills in the nursing care of obstetric patients with complications and of high risk newborns are emphasized. The student is prepared to provide safe and effective care for the patient and supportive care to the family. Emphasis is on physiological care which integrates emotional, cultural, and social aspects of patient care. Opportunities are provided for students to visit local community health facilities devoted to the needs of pregnant patients’ families. Lecture 7½ hours, clinical laboratory 13½ hours (six weeks). Prerequisite: Completion of the second semester Registered Nursing sequence or equivalent or completion of the Vocational Nursing Program and selection for enrollment in the Career Ladder Program. Transfer credit: CSU, USC

213 PEDIATRIC NURSING
4 Units
Nursing 213 is the study of basic nursing care related to childhood diseases. This course prepares the student to provide safe and effective care for the patient and supportive care for the family utilizing the nursing process. Emphasis is on the physiological care that integrates the emotional, cultural, and social aspects of patient care. Opportunities are provided for students to visit local community health facilities devoted to the needs of sick children and their families. Lecture 7½ hours, clinical laboratory 13½ hours (six weeks). Prerequisite: Completion of the second semester Registered Nursing sequence or equivalent or completion of the Vocational Nursing Program and selection for enrollment in the Career Ladder Program. Transfer credit: CSU, USC
215 MENTAL HEALTH/PSYCHIATRIC NURSING
4 Units
Nursing 215 focuses on the dynamics of adult clients undergoing acute and chronic psychosocial stress. The nursing process, including interviewing skills, is presented within a framework of total mental health team management. The roles of the various team members are examined, along with a variety of treatment modalities. The causes of stress are identified from various theoretical perspectives. The student is encouraged to undertake self-exploration and develop a concept of man that includes adaptation and human need fulfillment. The course provides the student with knowledge and understanding of the interrelatedness of environmental, cultural, and ethnic factors affecting adaptation along the health-illness continuum. Lecture 7 1/2 hours, laboratory 13 1/2 hours (six weeks). Prerequisite: Completion of the second semester Registered Nursing sequence or equivalent or completion of the Vocational Nursing Program and selection for enrollment in the Career Ladder Program. Transfer credit: CSU, USC

217 LVN-RN BRIDGE COURSE
1 Unit
Nursing 217 is an introduction for the LVN to the concepts central to registered nursing practice. The course clarifies the philosophy and theme which serve as the foundation for the registered nurse curriculum at Glendale Community College. It fosters clinical application of the nursing process and its integration into nursing practice. Lecture 3 hours (6 weeks). Prerequisite: Selection for the Career Ladder Nursing Program. Note: Successful completion of this course is required for the Career Ladder student to remain enrolled in the Nursing Department. Transfer credit: CSU

219 NURSING PROCESS AND PATIENT CARE MANAGEMENT
4 Units
Nursing 219 is the study and application of selected nursing concepts and knowledge in relation to their impact on the health problems and needs of the individual, family, and community. It focuses on the pathophysiological aspects of the acute and chronic medical-surgical health problems, including the assessment and management of care. Pharmacology, nutrition and diet therapy, fluid and electrolytes, ethical and legal issues, patient teaching and communication skills are integrated. Lecture 2 1/2 hours, clinical laboratory 4 1/2 hours. Prerequisite: Completion of the third semester Registered Nursing sequence or equivalent and for Career Ladder students, successful completion of NCLEX-PN with subsequent licensure. Transfer credit: CSU, USC

221 NURSING PROCESS AND NURSING LEADERSHIP
6 Units
Nursing 221 is the study and application of selected nursing concepts as they relate to the care of clients with selected acute medical-surgical conditions. Clinical aspects of pharmacology, diet therapy, and fluid and electrolytes are integrated. Students are also provided beginning leadership and management experiences. Interdisciplinary teamwork, teaching, and collaborative planning are major experiences. Lecture 2 1/2 hours, clinical laboratory 10 1/2 hours. Prerequisite: Completion of the third semester Registered Nursing sequence or equivalent and for Career Ladder students, successful completion of NCLEX-PN with subsequent licensure. Transfer credit: CSU, USC

NURSING SCIENCE

100 VOCATIONAL NURSING PERSPECTIVES
1 1/2 Units
Nursing Science 100 presents an overview of current health and nursing practice issues with their historical influences. Topics provide the beginning vocational nursing student an overview of historical and philosophical viewpoints regarding regulatory scopes of practice, ethics and law, interdisciplinary health care, communication, health, and health care delivery trends. Lecture 1 1/2 hours. Prerequisite: Selection for enrollment in the Vocational Nursing Program. Transfer credit: CSU

101 VOCATIONAL NURSING SEMINAR I
2 Units
Nursing Science 101 provides an enrichment opportunity for level one vocational nursing students to further explore the application of medical-surgical, fundamentals, and pharmacologic classroom content to the clinical situation. The course includes discussion, demonstration, computer simulation, guided practice, and audiovisual presentations. Lecture 1 hour, laboratory 3 hours. Prerequisite: Selection for enrollment in the Vocational Nursing Program. Corequisite: Enrollment in the first semester of the Vocational Nursing Program. Transfer credit: CSU

102 VOCATIONAL NURSING SEMINAR II
1 1/2 Units
Nursing Science 102 provides an enrichment opportunity for level two vocational nursing students to further explore the application of medical-surgical, mental health, and pharmacologic classroom content to the clinical situation. The course includes discussion, demonstration, computer simulation, guided practice, and audiovisual presentations. Lecture 1 hour, laboratory 1 1/2 hours. Prerequisite: Completion of the first semester of the Vocational Nursing Program, or previous completion of equivalent coursework. Corequisite: Enrollment in the second semester of the Vocational Nursing Program. Transfer credit: CSU
105 ESSENTIALS OF MEDICATION ADMINISTRATION FOR THE VOCATIONAL NURSE

½ Units

Nursing Science 105 is an introductory course for the vocational nursing student which presents the basic knowledge required for safe medication administration. This course is the foundation for subsequent two course pharmacology sequence and emphasizes the ability of the student to calculate correct drug dosages. The role of the nurse in pharmacologic therapy is presented, stressing individual accountability in the administration of medication. The way drugs work, their absorption, routes of administration, and rationale for use are thoroughly studied. Federal and state regulations which pertain to the administration of medications and regulation of controlled substances are examined. Lecture ½ hour. Prerequisite: Selection for enrollment in the Vocational Nursing Program. Transfer credit: CSU

106 VOCATIONAL NURSING PHARMACOLOGY I

1 Unit

Nursing Science 106 is the first of two pharmacology courses and introduces the vocational nursing student to the basic knowledge of pharmacology required to administer medications. The nursing process and unmet human needs provide a framework for the study of selected classes of medications. The role of the nurse in promoting safe and effective pharmacologic therapy is stressed. The importance of health team communication and patient teaching regarding medication administration is incorporated throughout the course. Lecture 1 hour. Prerequisite: Completion of Nursing Science 105 or previous completion of equivalent coursework. Transfer credit: CSU

107 VOCATIONAL NURSING PHARMACOLOGY II

1½ Units

Nursing Science 107 continues the study and application of pharmacokinetics, pharmacodynamics, and pharmacotherapeutics for the vocational nursing student. The nursing process and unmet human needs are utilized as a basis to provide a framework for the study of selected classes of medications. Emphasis is placed on teaching the patient/family and promoting compliance in medication management. Legal and ethical issues related to medication administration are stressed. Lecture 1½ hours. Prerequisite: Nursing Science 106 and the first semester of the Vocational Nursing Program, or previous completion of equivalent coursework. Transfer credit: CSU

108 BASIC NUTRITION IN NURSING

2 Units

Nursing Science 108 focuses on basic principles of nutrition and their application to health and the life cycle. This course provides an introduction to medical nutrition therapy and emphasizes the importance of the nurse's role in reinforcement of diet and nutrition in all aspects of patient care. Lecture 2 hours. Prerequisite: None. Note: This course may be taken prior to registering for the nursing program and beginning nursing classes.

109 BASIC MENTAL HEALTH CONCEPTS IN NURSING

2 Units

Nursing Science 109 is a combined theory and clinical course which explores basic concepts of psychiatric/mental health nursing that benefits the vocational nursing student in understanding patients affected by psychosocial health needs. The course facilitates the care of patients in a variety of settings who are experiencing psychological problems due to physical and/or emotional factors. The course provides an introductory framework for focused psychosocial assessment while utilizing therapeutic communication skills within a nurse/patient relationship. The student applies the nursing process in the clinical area. Important nursing implications in giving psychotropic medications are discussed. Lecture 1 hour, laboratory 3 hours. Prerequisite: Completion of the first semester of the Vocational Nursing Program, or previous completion of equivalent coursework.

110 FUNDAMENTALS OF VOCATIONAL NURSING

1½ Units

Nursing Science 110 introduces the vocational nursing student to the core concepts, principles, and clinical skills common to all areas and levels of nursing practice. It presents the delivery of nursing care based on a hierarchy of universal human needs which impact health, quality of life, and achievement of potential. The entry level student is introduced to the components and use of the nursing process. The student is introduced to health care resources for electronic information retrieval. This course provides the basic platform of nursing knowledge, skills, and caring upon which subsequent nursing courses build. Lecture 1½ hours. Prerequisite: Selection for enrollment in the Vocational Nursing Program. Corequisite: Nursing Science 100, 101, 109, and 105. Transfer credit: CSU

111 VOCATIONAL MEDICAL-SURGICAL NURSING I

3 Units

Nursing Science 111 introduces the vocational nursing student to the basic concepts involved in caring for the patient with a medical-surgical health problem. The course emphasizes unmet human needs and the nursing process as an organizing framework for nursing knowledge and skills. Health care needs of the older adult are emphasized. This course continues to emphasize acquisition and use of electronically obtained information related to nursing and health care. Lecture 3 hours. Prerequisite: Selection for enrollment in the Vocational Nursing Program. Corequisite: Nursing Science 100, 101, 105, and 131 or previous completion of equivalent coursework.
112 VOCATIONAL MEDICAL-SURGICAL NURSING II
3½ Units
Nursing Science 112 continues, for the vocational nursing student, the study of the adult with unmet needs resulting from major health problems. This course addresses the needs of patients across the lifespan who require more complex nursing interventions and skills. Content also includes an introduction to rudimentary leadership and supervision as well as contemporary practice issues. The student is encouraged to build on competencies gained from the previous semester in electronic acquisition and use of health care information. Lecture 3 hours. Prerequisite: Completion of the first semester of the Vocational Nursing Program or its equivalent. Corequisite: Enrolment in the second semester vocational nursing curriculum.

113 VOCATIONAL MEDICAL-SURGICAL NURSING III
2 Units
Nursing Science 113 continues the study of the adult with unmet needs resulting from major health problems. This course addresses the needs of patients who require more complex nursing interventions and skills. The student is encouraged to build on medical-surgical knowledge and competencies gained in the previous semester. Lecture 2 hours. Prerequisite: Completion of the first semester of the Vocational Nursing Program or its equivalent. Corequisite: Nursing Science 113. Note: Nursing Science 113 is offered only during summer session.

124 VOCATIONAL MATERNAL CHILD HEALTH NURSING
3 Units
Nursing Science 124 focuses the vocational nursing student on the needs of the growing family and incorporates both maternity and pediatric nursing content. The nursing process is stressed as the student learns to adapt previously acquired knowledge to the unmet needs of the maternity and pediatric patient. Emphasis is placed on the observation and direct care of the normal maternity patient/family and the pediatric patient/family experiencing commonly encountered health problems. Lecture 3 hours. Prerequisite: Completion of the first year of the Vocational Nursing Program, or its equivalent. Corequisite: Enrolment in the second semester vocational nursing curriculum.

130 VOCATIONAL NURSING FUNDAMENTALS LABORATORY
2½ Units
Nursing Science 130 introduces the vocational nursing student to the clinical setting and provides the opportunity to apply theoretical content and basic nursing skills. Clinical experiences include ambulatory, acute, and/or long-term health care settings, and simulated experiences in the College Nursing Skills Laboratory. Laboratory 7½ hours. Prerequisite: Selection for enrollment in the Vocational Nursing Program. Corequisite: Nursing Science 100, 101, 105, 110 and 111.

131 MEDICAL-SURGICAL VOCATIONAL NURSING I LABORATORY
2½ Units
Nursing Science 131 continues clinical experiences in the medical-surgical setting for the level one vocational nursing student. Emphasis is placed on the health care needs of the elderly with acute and/or chronic health problems. Clinical experiences include ambulatory, acute and/or long-term health care settings and simulated experiences in the College Nursing Skills Laboratory. Laboratory 7½ hours. Prerequisite: Nursing Science 105, 110, 130. Corequisite: Nursing Science 100, 101, 106, 111, or previous completion of equivalent coursework.

132 MEDICAL-SURGICAL VOCATIONAL NURSING II LABORATORY
2½ Units
Nursing Science 132 provides clinical experiences with patients across the life span who require more complex nursing interventions and skills. Experiences are designed to provide an opportunity for the student to apply classroom content, use the nursing process, and build medical-surgical skills in varied settings. Concepts of supervision and rudimentary leadership are applied to the health care setting. The complexity of assignments which provide supervisory experiences in the clinical area is tailored to student level/placement in the curricular sequence. Laboratory 7½ hours. Prerequisite: Completion of the first semester of the Vocational Nursing Program or its equivalent. Corequisite: Enrollment in second semester vocational nursing curriculum.

133 MEDICAL-SURGICAL VOCATIONAL NURSING III LABORATORY
2½ Units
Nursing Science 133 provides a continuation of clinical experiences for the vocational nursing student with medical-surgical patients. Clinical rotations are designed to provide an opportunity for the student to apply classroom content, use the nursing process, and build medical-surgical skills. The complexity of assignments in the clinical area is tailored to student level/placement in the curricular sequence. Laboratory 7½ hours. Prerequisite: Completion of the first semester of the Vocational Nursing Program or its equivalent. Corequisite: Nursing Science 113. Note: Nursing Science 133 is offered only during summer session.

134 MATERNAL CHILD HEALTH LABORATORY
2½ Units
Nursing Science 134 provides the opportunity for the vocational nursing student to apply maternal-child health content in the clinical setting. Direct care of patients commonly encountered in maternal-child health care settings is emphasized. The nursing process is utilized as the student learns to adapt previously learned clinical skills to the unmet needs of the maternity and pediatric patient/client in varied settings. Laboratory 7½ hours. Prerequisite: Completion of the first year of the Vocational Nursing Program, or completion of previous equivalent coursework. Corequisite: Enrollment in the second semester vocational nursing curriculum.

REGISTERED NURSING

200 NURSING PERSPECTIVES
1½ Units
Nursing Science 200 presents an overview of current health and nursing practice issues with their historical influences. Topics provide the novice nurse an overview of historical and philosophical viewpoints regarding regulatory scopes of practice, ethics and law, interdisciplinary roles, communication, health, and health care delivery trends. Lecture 1½ hours. Prerequisite: Selection for enrollment in the Registered Nursing Program. Transfer credit: CSU
201 NURSING SEMINAR I
2 Units
Nursing Science 201 provides an enrichment opportunity for all level one nursing students to further explore the application of medical-surgical, fundamentals, and pharmacologic classroom content to the clinical situation. The course includes discussion, demonstration, computer simulation, guided practice, and audiovisual presentations. Lecture 1 hour, laboratory 3 hours. **Prerequisite:** Selection for enrollment in the Registered Nursing Program. **Corequisite:** Enrollment in the first semester of the Registered Nursing Program. **Note:** This is an optional but highly recommended class in the Registered Nursing curriculum. **Transfer credit:** CSU

202 NURSING SEMINAR II
1½ Units
Nursing Science 202 provides an enrichment opportunity for all level two nursing students to further explore the application of medical-surgical, psychiatric, and pharmacologic classroom content to the clinical situation. The course includes discussion, demonstration, computer simulation, guided practice, and audiovisual presentations. Lecture 1 hour, laboratory 1½ hours. **Prerequisite:** Completion of the first semester of the Registered Nursing Program, or previous completion of equivalent coursework. **Corequisite:** Enrollment in the second semester of the Registered Nursing Program. **Note:** This is an optional but highly recommended class in the Registered Nursing curriculum. **Transfer credit:** CSU

203 NURSING SEMINAR III
1½ Units
Nursing Science 203 provides an enrichment opportunity for all level three nursing students to further explore the application of medical-surgical and maternal-child health classroom content to the clinical situation. Lifespan scenarios are given application emphasis. This course includes discussion, demonstration, computer simulation, guided practice, and audiovisual presentations. Lecture 1 hour, laboratory 1½ hours. **Prerequisite:** Completion of the second semester of the Registered Nursing Program, or previous completion of equivalent coursework; or selection for the Career Ladder LVN-RN Program. **Corequisite:** Enrollment in the third semester of the Registered Nursing Program. **Note:** This is an optional but strongly recommended class in the Registered Nursing curriculum. **Transfer credit:** CSU

204 NURSING SEMINAR IV
1 Unit
Nursing Science 204 provides an enrichment opportunity for all level four nursing students to further explore the application of medical-surgical nursing and leadership classroom content to the contemporary clinical situation. The class provides an arena for the student to practice career-planning and employment-seeking strategies as well as arrhythmia detection/identification and advanced intravenous skills. This course includes discussion, demonstration, computer simulation, guided practice, and audiovisual presentations. Lecture ½ hour, laboratory 1½ hours. **Prerequisite:** Completion of the third semester of the Registered Nursing Program, or previous completion of equivalent coursework. **Corequisite:** Enrollment in the fourth semester of the Registered Nursing Program. **Note:** An optional but highly recommended class in the Registered Nursing curriculum. **Transfer credit:** CSU

205 ESSENTIALS OF MEDICATION ADMINISTRATION
½ Unit
Nursing Science 205 is an introductory course which presents the basic knowledge required for safe medication administration. This course is the foundation for the subsequent two course pharmacology sequence and emphasizes the ability of the student to calculate correct drug dosages. The role of the nurse in pharmacologic therapy is presented, stressing individual accountability in the administration of medication. The way drugs work, their absorption, routes of administration, and rationale for use are thoroughly studied. Federal and state regulations which pertain to the administration of medications and regulation of controlled substances are examined. Lecture ½ hour. **Prerequisite:** Selection for enrollment in the Registered Nursing Program. **Transfer credit:** CSU

206 NURSING PHARMACOLOGY I
1 Unit
Nursing Science 206 is the first of two pharmacology courses and introduces the nursing student to the basic knowledge of pharmacology required to administer medications. The nursing process and unmet human needs provide a framework for the study of selected classes of medications. The role of the nurse in promoting safe and effective pharmacologic therapy is stressed. The importance of health team communication and patient teaching regarding medication administration is incorporated throughout the course. Lecture 1 hour. **Prerequisite:** Nursing Science 205 or previous completion of equivalent coursework. **Transfer credit:** CSU

207 NURSING PHARMACOLOGY II
1½ Units
Nursing Science 207 continues the study and application of pharmacokinetics, pharmacodynamics, and pharmacotherapeutics. The nursing process and unmet human needs are utilized as a basis to provide a framework for the study of selected classes of medications. Emphasis is placed on teaching the patient/family and promoting compliance in medication management. Legal and ethical issues related to medication administration are stressed. Lecture 1½ hours. **Prerequisite:** Nursing Science 206 and the first semester of the Registered Nursing Program, or previous completion of equivalent coursework. **Transfer credit:** CSU
210 FUNDAMENTALS OF NURSING
4 Units
Nursing Science 210 introduces the core concepts, principles, and clinical skills common to all areas and levels of nursing practice. It presents the delivery of nursing care based on a hierarchy of universal human needs which impact health, quality of life, and achievement of potential. The entry level student is introduced to the components and use of the nursing process. This course provides the basic platform of nursing knowledge, skills, and caring upon which subsequent nursing courses are built. The student is introduced to the health care resources for electronic information retrieval. Clinical experiences in the ambulatory and/or acute and long-term care health care settings and simulated experiences in the College Nursing Skills Laboratory are included. Lecture 1½ hours, laboratory 7½ hours. Prerequisite: Selection for enrollment in the Registered Nursing Program. Corequisite: Nursing Science 203 and 205 or previous completion of equivalent coursework. Recommended preparation: Concurrent enrollment in Nursing Science 201. Transfer credit: CSU

212 MEDICAL-SURGICAL NURSING II
4½ Units
Nursing Science 212 continues the study of the adult with unmet needs resulting from health problems. This course addresses the needs of patients across the adult life span whose health care needs require more complex nursing interventions and skill using the nursing process. The student is encouraged to build on skills gained from the previous semester in electronic acquisition and use of health care information. Clinical experiences are included which provide an opportunity for the student to apply theoretical concepts, think critically, and build clinical skills. Lecture 2 hours, laboratory 7½ hours. Prerequisite: Completion of the first semester of the Registered Nursing Program, or previous completion of equivalent coursework. Corequisite: Nursing Science 207 or previous completion of equivalent coursework. Recommended preparation: Concurrent enrollment in Nursing Science 202 is highly recommended. Transfer credit: CSU

213 MEDICAL-SURGICAL NURSING III
4½ Units
Nursing Science 213 continues the study of the adult and the aging adult with unmet needs resulting from increasingly complex health problems. This course addresses the needs of patients/clients whose health care needs require complex nursing interventions and competence using the nursing process. Physical assessment is reintroduced at a more complex level, building on previous knowledge and experiences. A portion of clinical assignments focuses on the aging adult with complicated health care needs. Clinical experiences include acute and community-based experiences which provide an opportunity for the student to apply theoretical concepts, demonstrate critical thinking, and increase clinical skills. Lecture 2 hours, laboratory 7½ hours. Prerequisite:
• Completion of the first year of the Registered Nursing Program, or previous completion of equivalent coursework; or
• Selection for enrollment in the Career Ladder LVN-RN Program.
Recommended preparation: Concurrent enrollment in Nursing Science 203. Transfer credit: CSU

214 MEDICAL-SURGICAL NURSING IV
5½ Units
Nursing Science 214 continues the study of the adult with unmet needs resulting from complex health problems. This course addresses the needs of patients/clients whose health care needs require complex nursing interventions and proficiency in the use of the nursing process. Content includes licensure issues and leadership principles in preparation for entry into practice as a licensed registered nurse. Clinical experiences are structured in a preceptorship format to provide a greater opportunity for the student to apply theoretical concepts and manage multiple priorities, as well as refine critical thinking and clinical skills. Lecture 2½ hours, laboratory 9 hours. Prerequisite: Completion of the third semester of the Registered Nursing Program. Recommended preparation: Concurrent enrollment in Nursing Science 204. Transfer credit: CSU

215 NURSING PRACTICE IN CONTEMPORARY SETTINGS
3½ Units
Nursing Science 215 provides the fourth semester nursing student with the opportunity to integrate and apply previously learned skills and knowledge from all areas of nursing practice to new, current, and/or evolving health care settings. Classroom content focuses on the forces which have influenced modern health care in America as well as the sociological, political, and economic issues which shape the delivery of contemporary health care and the practice of nursing. Classroom and clinical experiences assist the student to acquire additional proficiency which will assist in securing an entry level registered nurse position. Lecture 2 hours, laboratory 4½ hours. Prerequisite: Completion of the third semester of the Registered Nursing Program. Corequisite: Nursing Science 214. Recommended preparation: Concurrent enrollment in Nursing Science 204. Transfer credit: CSU
222

PSYCHIATRIC NURSING
3½ Units

Nursing Science 222 focuses on the dynamics of adult clients undergoing acute and chronic psychosocial stress. The nursing process, including interviewing skills, is presented within a framework of total mental health team management. Therapeutic relationship is presented as a means of expressing caring. The causes of stress are identified from various theoretical perspectives. The student is encouraged to undertake self exploration and develop a concept of the individual that includes the ability to adapt as a result of successful human need fulfillment. The course provides the student with knowledge and understanding of the interrelatedness of developmental, environmental, cultural, socioeconomic and ethnic factors affecting psychosocial adaptation along the health-illness continuum. Laboratory experiences in mental health settings are included. Lecture 2 hours, laboratory 4½ hours.

Prerequisite:
- Completion of the first semester of the generic Registered Nursing Program, or completion of previous equivalent coursework; or
- Selection for enrollment in the Career Ladder LVN-RN Program.

Corequisite: Nursing Science 207 or previous completion of equivalent coursework is required for the generic student. Recommended preparation: Concurrent enrollment in Nursing Science 202 is highly recommended. Transfer credit: CSU

223

MATERNAL CHILD HEALTH
5 Units

Nursing Science 223 focuses on the needs of the growing family and incorporates both maternity and pediatric nursing content. The nursing process is stressed as the student learns to adapt previously learned skills and knowledge to the unmet needs of the maternity and pediatric patient. Observation and direct care of normal and high risk populations are included. Theory and clinical experiences are structured to provide the second year nursing student with the opportunity to develop essential linkages for decision making and prioritization unique to this specialty. Lecture 3½ hours, laboratory 4½ hours. Prerequisite: Completion of the first year of the Registered Nursing Program, or completion of previous equivalent coursework. Recommended preparation: Concurrent enrollment in Nursing Science 203. Transfer credit: CSU

115

OCEANOGRAPHY
3 Units

Oceanography 115 is an introduction to the physical, chemical, and geological aspects of oceanography. Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, WSC

116

OCEANOGRAPHY LABORATORY
1 Unit

Oceanography 116 is an introduction to the common laboratory practices and exercises on the physicochemical and geological aspects of oceanography. Laboratory 3 hours per week including 8 hours of supervised observations and data collection aboard an oceanographic research vessel. Prerequisite: Oceanography 115. (Oceanography 115 may be taken concurrently.) Transfer credit: CSU, UC, WSC

PALEONTOLOGY

101

GENERAL PALEONTOLOGY
3 Units

Paleontology 101 is a survey of the classification and history of life including both plants and animals. It also includes an interpretation of the significance of fossils as evidence of organic evolution and the adaptations of life to its physical and biological environments. Students study the sequences of floras and faunas as found in the rocks. Lecture 3 hours. Prerequisite: None. Note: A good high school record or second semester standing is recommended. Transfer credit: CSU, UC, WSC

PHILOSOPHY

101

INTRODUCTION TO PHILOSOPHY
3 Units

Philosophy 101 is an overview of the classical and modern problems of philosophy. A consideration of the nature of knowledge, views of the cosmos or world, and the problems of truth, beauty, ethics, and theology. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, WSC (CAN PHIL 2)

112

HUMAN VALUES AND ENVIRONMENTAL ISSUES
2 Units

Philosophy 112 is a study of human attitudes toward the physical world and the biological organisms within it. Topics covered will be the definition of values, a study of historical viewpoints, and a brief assessment of the consequences of such attitudes in creating and/or solving environmental problems. The course will consider various ways in which a consciously considered value system might be deliberately applied to specific solutions. Lecture 2 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, WSC

113

COMPARATIVE WORLD RELIGIONS: NEAR EAST
3 Units

Philosophy 113 is a comparative study of the salient ideas and philosophical developments in Zoroastrianism, Judaism, Christianity, Islam, and primitive and national religions of the past. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, WSC

114

COMPARATIVE WORLD RELIGIONS: FAR EAST
3 Units

Philosophy 114 is a comparative study of the salient ideas and philosophical developments in Hinduism, Buddhism, other Indian religions, Taoism, Confucianism, and Shinto. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, WSC

116

ETHICS FOR MODERN LIFE
3 Units

Philosophy 116 is an analysis of the concept of the good, the scope of morality, the deterministic controversy, the ethical yardsticks, and the major ethical systems and their roots. Attention is given to contemporary positivism, John Dewey, Marxist ethics, authority as an ethical principle, intuitionism, egoistic hedonism, utilitarianism, ethical idealism, Immanuel Kant, modern Aristotelianism, and existentialism and recent ethical theories. The nature and scope of contemporary moral problems are also examined. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, WSC (CAN PHIL 4)
INTRODUCTION TO LOGIC
3 Units
Philosophy 117 is a study of the structure and function of language, inductive and deductive forms of reasoning and argumentation. Includes the study of formal argumentation, the methods of experimental inquiry, the nature of scientific hypothesis, and probability theory. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC (CAN PHIL 6)

WOMEN, THE EARTH, AND THE DIVINE
3 Units
Philosophy 118 introduces students to the relationship between social domination of women and domination of the rest of nature. The goal of this course is to help students develop skills in analyzing the impact of the world's major religions on the lives of women in both the majority and minority cultures and on the life of the planet earth. Topics covered are the definition of values, a study in viewpoints of the major religious traditions, such as Judaism, Buddhism, Judaism, Christianity and Islam. This course also offers a brief assessment of the consequences of such attitudes in creating and/ or solving women's as well as environmental problems in the United States. Emphasis is placed on developing judgment in the use of primary or secondary sources, and helping students discern what sources they should or should not trust. The course considers the differences among applications of deliberately selected value systems with respect to the treatment of women in the United States. In addition, it presents how the treatment of women in minority cultures affects cross cultural understanding and affects the attitudes of the majority towards minorities. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

HISTORY OF PHILOSOPHY: ANCIENT PERIOD
3 Units
Philosophy 119 is a critical study of the philosophic systems and ideas of the Western civilization from the ancient Greeks to the end of the Medieval period, with special emphasis on the Pre-Socratics, Plato, Aristotle, Roman philosophical thinkers, and the impact of Christian thought on Western culture. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC

HISTORY OF PHILOSOPHY: MODERN PERIOD
3 Units
Philosophy 120 is a critical study of the philosophic systems and ideas of the modern period which have had a dominant impact on Western civilization, with special emphasis on Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, Kant, Hegel, Marx, Nietzsche, twentieth century British and American philosophers. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC

ISLAM: A WAY OF LIFE
3 Units
Philosophy 121 is a study of Islam as both a religion and a culture. The study of the religion includes a consideration of beliefs and practices of the faith, and the history of the man, Muhammad, who revealed the faith. The study of the culture includes a consideration of the early successors to Muhammad, religious movements and sects, philosophy, science, and political power. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC

LATIN AMERICAN PHILOSOPHY
3 Units
Philosophy 122 is the study of the various forms which philosophy has taken in Latin America. The course examines the background of Inca, Aztec, and European thought patterns. It emphasizes philosophy of civilization and philosophy of art, including the contributions of the Mexican muralist. Representative viewpoints, such as scholasticism, romanticism, and evolutionism are described. The course underlines the vitality of Latin American positivism, and it concludes with rival twentieth century currents of thought. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC

PHOTOGRAPHY
101 INTRODUCTION TO PHOTOGRAPHY
3 Units
Photography 101 is an introductory black and white photo course covering basic camera types; camera operations; characteristics of light, film, paper; film processing; print enlargement; darkroom procedures and safety; print finishing; and compositional theory. Aesthetic concerns and technical skills are developed and applied to photographing print quality, and print presentation. The course consists of: lectures, demonstrations, specific shooting and printing assignments; and class critiques. Students must have a manually adjustable 35mm or 2 1/4 camera. Lecture 2 hours, studio 4 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

102 BLACK AND WHITE DARKROOM LABORATORY
1 Unit
NON-DEGREE APPLICABLE
Photography 102 enables photography students to have additional supervised black and white studio time, and to increase their technical and design skills relative to concurrent enrollment in a black and white photography course. Studio 4 hours. Corequisite: Enrollment in one of the following: Photography 101, 103, 105, 107 (for students working in black and white photography), 108, 112, or 114. Note: This course may be taken 4 times; a maximum of 4 units may be earned.

103 INTERMEDIATE PHOTOGRAPHY
3 Units
Photography 103 is an intermediate level black-and-white course which covers the characteristics of various types of black-and-white films, papers, developers, printing techniques, and methods in handcoloring. There is an emphasis on print quality, aesthetics, advanced techniques and concepts in photography through photographic assignments. Lecture 2 hours, studio 4 hours. Prerequisite: Photography 101 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU
104 COLOR DARKROOM LABORATORY
1 Unit
NON-DEGREE APPLICABLE
Photography 104 enables photography students to have additional supervised color studio time, and to increase their technical and design skills relative to concurrent enrollment in a color photography course. Studio 4 hours. Corequisite: Enrollment in one of the following: Photography 107 (for students working with color negatives or slides), 109 or 110. Note: This course may be taken 4 times; a maximum of 4 units may be earned.

105 ADVANCED PHOTOGRAPHY
3 Units
Photography 105 is a black-and-white course emphasizing advanced techniques and theories that enable students to work with greater competence. The course covers film contrast control through exposure and development, reduction and intensification of the negative, contrast control with filters, the use of toners, methods of multiple exposure, the use of flash, further introduction and discussion of photographers, and related movements or issues. Emphasis throughout the course is on refining technical skills and individual expression. Lecture 2 hours, studio 4 hours. Prerequisite: Photography 103. Note: This course may be taken 3 times; a maximum of 9 units may be earned. Transfer credit: CSU

107 SPECIAL PROJECTS
3 Units
Photography 107 is designed for advanced students who wish to concentrate on an in-depth individual direction. The student explores and combines an aesthetic and expressive use of the photographic medium to complete projects with developed personal statements. At the beginning of the semester, the student presents a written proposal outlining three specific areas of concentration: 1. theme, 2. medium, 3. techniques. Students are required to complete a professional portfolio at the end of the semester. Research and reading assignments are made where applicable. Lecture 2 hours, studio 4 hours. Prerequisite: Photography 105. Note: This course may be taken 3 times; a maximum of 9 units may be earned. Transfer credit: CSU

108 PHOTO COMMUNICATIONS
3 Units
Photography 108 allows students to explore various approaches and uses of the photograph for publication. The course covers concepts in the impact of the single image, candid and contrived subject matter, image with text, and the photo essay form. Emphasis throughout the course is on development of technical skills and a personal point of view. Lecture 2 hours, studio 4 hours. Prerequisite: Photography 103 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

109 COLOR PHOTOGRAPHY
3 Units
Photography 109 covers the basic knowledge and steps involving C-41 film processing (color negatives), printing from color negatives by tube processing; characteristics of light, film, and paper, and the effects of color relationships. Emphasis is placed on comprehending technical skills and on the development of both aesthetic concerns and individual expression. Lecture 2 hours, studio 4 hours. Prerequisite: Photography 101 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

110 COLOR SLIDE PHOTOGRAPHY
3 Units
Photography 110 covers the basic knowledge and steps involving E-6 film processing (color transparencies), printing from color slides by tube processing, characteristics of light, color theory, film, and paper. Emphasis is on color printing techniques and the development of personal ideas. Lecture 2 hours, studio 4 hours. Prerequisite: Photography 101 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU

112 STUDIO LIGHTING
3 Units
Photography 112 covers lighting principles and introduces studio lighting, equipment, and techniques. Lecture 2 hours, studio 4 hours. Prerequisite: Photography 101 or equivalent. Recommended preparation: Art 130. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

114 VIEW CAMERA
3 Units
Photography 114 explores basic view camera operations related to outdoor and studio shooting. The course covers aperture and shutter features, camera movements, exposure calculations, film handling, and processing. Lecture 2 hours, studio 4 hours. Prerequisite: Photography 101 or equivalent. Recommended preparation: Art 130, Photography 112. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

119 PHOTO COMPUTER LABORATORY
1 Unit
NON-DEGREE APPLICABLE
Photography 119 enables photography students to have additional supervised computer studio time, and to increase their technical and design skills relative to concurrent enrollment in a photography computer course. Studio 4 hours. Corequisite: Enrollment in one of the following: Photography 121, 122, or 123. Note: This course may be taken 4 times; a maximum of 4 units may be earned.

121 PHOTOSHOP I
3 Units
Photography 121 is a beginning level Photoshop course for the Macintosh computer. The course covers basic Photoshop tools, layers, channels, image adjustments, composite imaging, scanning, and output. Image designs and concepts are emphasized throughout the course. Lecture 2 hours, studio 2 hours. Prerequisite: Photography 101 or equivalent. Recommended preparation: Art 130, 150, and Photography 109 or 110. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

122 PHOTOSHOP II
3 Units
Photography 122 is an intermediate level Photoshop course for the Macintosh computer. Photoshop is combined with current imaging programs to create special effects and composite photographs with text. Students' technical, aesthetic, and conceptual skills are developed throughout the course. Lecture 2 hours, studio 2 hours. Prerequisite: Photography 121 or equivalent. Recommended preparation: Art 130, 134, 150, 160, Photography 103 and 109 or 110. Note: This course may be taken 2 times; a maximum of 6 units may be earned.
123
PHOTOSHOP III
3 Units
Photography 123 is an advanced level Photoshop course for the Macintosh. Multimedia and interactive photographic projects and portfolios are created by combining Photoshop with current webpage and multimedia programs. Design and concept are emphasized throughout the course. Lecture 2 hours, studio 2 hours. Prerequisite: Photography 122 or equivalent. Recommended preparation: Art 130, 134, 150, 160, Photography 103 and 109 or 110. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

101
WELLNESS AND FITNESS LABORATORY
1-2½ Units
Physical Education 101 is an open laboratory physical fitness course designed to develop and encourage positive attitudes and habits with regard to cardiovascular efficiency, body composition, muscular strength, endurance, and flexibility. Students are assessed in these areas and an individual fitness profile is established. Fitness activities primarily utilize exercise equipment which is organized into an aerobic super circuit. Additional activities are prescribed in an aerobic machine area, a body parts weight training area, and a flexibility area. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Transfer credit: CSU, UC, USC

105
STEP AEROBICS (Also Listed as Dance 105)
1-2½ Units
Physical Education 105 is a contemporary, high intensity, low impact fitness class, designed for both men and women, to improve each participant’s strength, flexibility, and cardiovascular fitness level through steady-state stepping movements. The student is exposed to a graduated continuous system of rhythmic stepping at various platform heights. The class includes lecture on basic nutrition, exercise concepts, and stress management as the factors apply to a personal fitness program. Class sessions include a warm-up, an exercise routine fitted to each student’s level of fitness, and a cool down. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Note: Physical Education 105/Dance 105 may be taken 4 times; a maximum of 6 units may be earned. Transfer credit: CSU, UC, USC

124
SPORTS OFFICIATING—VOLLEYBALL, BASKETBALL
2 Units
Physical Education 124 is a course in the theoretical and practical techniques of officiating basketball and volleyball. Lecture 2 hours, laboratory 1 hour. Prerequisite: None. Note: Recommended for physical education majors and recreation majors and for prospective community youth leaders. Transfer credit: CSU, UC, USC

125
SPORTS OFFICIATING
2 Units
Physical Education 125 is a theory and practical course in the techniques of officiating basketball, volleyball, softball, and track and field. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: Participation in basketball, volleyball, and softball. Note: Recommended for physical education and recreation majors and for prospective community youth leaders. This course will not fulfill physical education activity requirements. Transfer credit: CSU, UC, USC

126
SPORTS OFFICIATING—TRACK AND FIELD, SOFTBALL
2 Units
Physical Education 126 is a course in the theoretical and practical techniques of officiating softball and track and field. Lecture 2 hours, laboratory 1 hour. Prerequisite: None. Note: Recommended for physical education majors and recreation majors and for prospective community youth leaders. Transfer credit: CSU, UC, USC

127
PHYSICAL EDUCATION ACTIVITIES
1½-2½ Units
Physical Education 127 is instruction in the fundamentals of individual activities and seasonal sports. Lecture 1½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Transfer credit: CSU, UC, USC

PHYSICAL EDUCATION

The Physical Education department offers a wide variety of activities to meet the varied interests of the Glendale College student. Two units of physical education are required in order to be eligible for the Associate in Arts and/or Associate in Science degree. The following classes do not meet the physical education requirement: Physical Education 120, 124, 125, 126, 128, 146, 149, 195, 196, 228. Individuals may be exempt from the physical education requirement upon presentation of evidence that they meet one of the following: 1) have attained the age of 21 years prior to the start of their last semester toward the degree, or 2) have a medical excuse on file, or 3) are enrolled in one of the following block unit occupational programs: Aviation and Transportation—Aircraft and Powerplant Maintenance and Overhaul (PAF Powerplant and Airframe License); Registered Nursing; or Vocational Nursing.

It is recommended that a variety of activities be taken during a student’s attendance at Glendale Community College. Courses in dance satisfy the physical education requirement. Physical education activity classes may be taken four (4) times; a maximum of six (6) units may be earned in any one course. All classes are coeducational unless otherwise noted.
128
NUTRITION AND PHYSICAL FITNESS
(Also listed as Health 128 and Culinary Arts 128)
3 Units
Physical Education 128 is a course in nutrition and physical fitness. It provides the student with an overall study of the relationship between nutrition and physical fitness. The effects of nutrition on the anatomical and physiological aspects of the body are emphasized. The course also examines the production of energy from the intake of a variety of nutritional sources. The process of metabolism as a means toward energy production and physical activity will also be discussed. Meal planning, basic physiology, current nutritional practices, eating disorders, weight control and athletic training are examined as they relate to the nutritional aspects of physical fitness. Lecture 3 hours. *Prerequisite: None. Note: This course may not be taken for credit by students who have completed Health 128 or Culinary Arts 128. This course will not fulfill physical education activity requirements. Transfer credit: CSU, UC, USC*

129
STRENGTH AND CONDITIONING FOR INTERCOLLEGIATE ATHLETICS
1½-2½ Units
Physical Education 129 is designed to increase strength, flexibility, body coordination (agility), speed, and aerobic/anaerobic conditioning as it relates to optimal athletic performance. Lecture 1½-1 hours, laboratory 1½-3½ hours. *Recommended preparation: Enrollment in Intercollegiate Athletics during the school year. Note: This class is structured to provide strength and conditioning programs specific to intercollegiate athletics both during participation and in the 'off-season.' Transfer credit: CSU, UC, USC*

130
ADAPTED ACTIVITIES
1½-2½ Units
Physical Education 130 is a diversified program of developmental activities for students with disabilities which prevent their participation in a regular physical education program. The emphasis is on the student's remaining abilities, not their disabilities. Lecture 1½-1 hours, laboratory 1½-3½ hours. *Prerequisite: None. Transfer credit: CSU, UC, USC*

131
SELF-DEFENSE FOR THE DISABLED
1-2½ Units
Physical Education 131 is a diversified program of self-defense training and lecture topics that focus on the ability of the disabled to protect and defend themselves. Lecture ½-1½ hours, laboratory 1½-3½ hours. *Prerequisite: None. Transfer credit: CSU*

132
ADAPTED AQUATICS
1-2½ Units
Physical Education 132 is a diversified program of aquatics for students with disabilities which prevent their participation in a regular physical education aquatics program. The emphasis is on the student's remaining abilities and adapting them to facilitate swimming, water aerobics, and aquatic skills proficiency. Lecture ½-1½ hours, laboratory 1½-3½ hours. *Prerequisite: None. Note: This course is specially designed for students who meet Title V eligibility requirements for Disabled Student Program and Services. Transfer credit: CSU*

140
BEGINNING BADMINTON
1½-2½ Units
Physical Education 140 is instruction in the rules and practice in individual fundamentals, development of singles and doubles play, and competitive participation. Lecture ½-1½ hours, laboratory 1½-3½ hours. *Prerequisite: None. Transfer credit: CSU, UC, USC*

141
INTERMEDIATE BADMINTON
1½-2½ Units
Physical Education 141 is additional practice and more detailed instruction in fundamentals, development of singles and doubles play, and court strategy. Lecture ½-1½ hours, laboratory 1½-3½ hours. *Prerequisite: Physical Education 140. Transfer credit: CSU, UC, USC*

146
ADVANCED BASEBALL THEORY
2 Units
Physical Education 146 covers advanced theory and strategies used in the sport of baseball. Lecture 2 hours, laboratory 1 hour. *Prerequisite: Physical Education 149. Note: Physical Education 146 is recommended for Physical Education majors and students planning to participate in varsity baseball for a second year. Transfer credit: CSU, UC, USC*

147
OFF-SEASON TRAINING FOR INTERCOLLEGIATE BASEBALL
1½-2½ Units
Physical Education 147 is instruction in rules and game strategy for baseball as well as practice in fundamental techniques of throwing, fielding, batting, and team play. Fall Semester only. Lecture ½-1½ hours, laboratory 1½-3½ hours. *Prerequisite: None. Transfer credit: CSU, UC, USC*

148
INTERCOLLEGIATE BASEBALL
1½-2½ Units
Physical Education 148 is development of team play for competitive participation. Spring Semester only. Daily. Lecture ½-1½ hours, laboratory 1½-3½ hours. *Prerequisite: Some previous playing experience in baseball. Note: Limited to students trying out for the varsity team. Transfer credit: CSU, UC, USC*

149
BASEBALL THEORY
2 Units
Physical Education 149 covers the theoretical foundations of the sport of baseball. Lecture 2 hours, laboratory 1 hour. *Prerequisite: None. Note: Physical Education 149 is recommended for Physical Education majors and students planning to participate in varsity baseball. Transfer credit: CSU, UC, USC*

150
BEGINNING BASKETBALL
1½-2½ Units
Physical Education 150 is instruction and practice in the fundamental techniques and rules of the game. Development of team play and competitive participation. Lecture ½-1½ hours, laboratory 1½-3½ hours. *Prerequisite: None. Transfer credit: CSU, UC, USC*

154
INTERMEDIATE BASKETBALL
1½-2½ Units
Physical Education 154 is instruction in rules and game strategy, practice in fundamental techniques. Lecture ½-1½ hours, laboratory 1½-3½ hours. *Prerequisite: None. Transfer credit: CSU, UC, USC*
157 INTERCOLLEGIATE BASKETBALL—MEN ½-2½ Units
Physical Education 157 is individual instruction and development of team play for competitive participation. Fall semester only. Daily. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: Some experience on an organized team. Note: Limited to students competing on an organized team. Transfer credit: CSU, UC, USC

160 INTERCOLLEGIATE BASKETBALL—WOMEN ½-2½ Units
Physical Education 160 provides the opportunity for individual instruction and development of team play for competitive participation with other community colleges. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: Some previous playing experience in basketball. Note: Limited to students competing for the varsity team. Transfer credit: CSU, UC, USC

164 RHYTHMIC AEROBICS (Also listed as Dance 164) ½-2½ Units
Physical Education 164 offers vigorous exercise set to contemporary music. The course is designed for students wishing to develop or maintain aerobic fitness while also learning about the physiology of fitness. Routines of rhythmic exercise are designed to develop or maintain cardiorespiratory endurance and body flexibility. The course is designed for students at all levels of fitness. Lecture ½-1½, laboratory 1½-3½ hours. Prerequisite: None. Transfer credit: CSU, UC, USC

166 WEIGHT TRAINING FOR WOMEN ½-2½ Units
Physical Education 166 is designed to give the female student an opportunity to develop a physical fitness program through weight training. It provides opportunity for the further development of body flexibility, strength and coordination, along with contributing to the general physical well-being of the individual. Students will be prepared to set up and design a personal weight training program to fit their individual needs. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Transfer credit: CSU, UC, USC

167 WEIGHT TRAINING AND CONDITIONING (Formerly Body Mechanics and Weight Training) ½-2½ Units
Physical Education 167 is conditioning exercises to increase body flexibility and strength of musculature in various parts of the body; to develop skilled body control with respect to agility, balance, and coordination, and to produce skills in relaxation. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Transfer credit: CSU, UC, USC

168 INTERMEDIATE WEIGHT TRAINING AND CONDITIONING (Formerly Intermediate Body Mechanics) ½-2½ Units
Physical Education 168 is conditioning exercises to increase strength, body flexibility, and overall physical fitness. Instruction and practice and techniques of weight training. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: Physical Education 167 or equivalent. Transfer credit: CSU, UC, USC

169 BODY MECHANICS—WOMEN ½-2½ Units
Physical Education 169 offers the student experiences in conditioning exercises to increase body flexibility, increase cardiorespiratory endurance, and increase the strength of the musculature in various parts of the body. The course helps to develop skilled body control with respect to agility, balance, and coordination; and to produce skills in relaxation. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Transfer credit: CSU, UC, USC

172 INTERCOLLEGIATE CROSS COUNTRY—MEN ½-2½ Units
Physical Education 172 is designed for competitive participation. Fall semester only. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Note: Recommended for distance runners and track students wishing to condition themselves for track. Transfer credit: CSU, UC, USC

173 INTERCOLLEGIATE CROSS COUNTRY—WOMEN 2½ Units
Physical Education 173 is designed to offer women competitive participation in cross-country running. Fall semester only. Lecture ½ hours, laboratory 1½ hours. Prerequisite: None. Note: Recommended for distance runners and track students wishing to condition themselves for track. Transfer credit: CSU, UC, USC

194 STRUCTURAL DYNAMICS AND STRETCH (Also listed as Dance 194) ½-2½ Units
Physical Education 194 provides practical experience through exercise in conjunction with discussion periods to enable the student to develop a knowledge of body-minded interaction in the area of athletics. The student learns how to influence and control this interaction, with regard to pain and energy flow, suppleness, relaxation, stretch and strength factors. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Transfer credit: CSU, UC, USC

195 FOOTBALL THEORY 2 Units
Physical Education 195 is theory and development of offensive and defensive formations and strategies. Lecture 4 hours. Prerequisite: None. Note: Recommended for physical education majors. This course may be taken 2 times; a maximum of 4 units may be earned. Transfer credit: CSU, UC, USC

196 ADVANCED FOOTBALL THEORY 2½ Units
Physical Education 196 covers advanced theoretical foundations and strategies of football. Lecture 4 hours, laboratory 1 hour. Prerequisite: Physical Education 195. Note: Recommended for Physical Education majors and students who are participating in varsity football for a second year. Transfer credit: CSU, UC, USC

197 OFF-SEASON TRAINING FOR INTERCOLLEGIATE FOOTBALL ½-2½ Units
Physical Education 197 is instruction and practice in techniques of individual offense and defense. Spring semester only. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Transfer credit: CSU, UC, USC
198 INTERCOLLEGIATE FOOTBALL
1/2-2 Units
Physical Education 198 is development of team play for competitive participation. Fall semester only. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. Prerequisite: Previous experience on an organized football team. Note: Limited to students wishing to compete on the varsity team. Transfer credit: CU, UC, USC

200 TOUCH FOOTBALL
1/2-2 1/2 Units
Physical Education 200 is instruction and practice in fundamentals, with the development of team play and competition. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. Prerequisite: None. Transfer credit: CU, UC, USC

202 BEGINNING GOLF
1/2-2 1/2 Units
Physical Education 202 is instruction and practice in the fundamentals of golf. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. Prerequisite: None. Transfer credit: CU, UC, USC

203 INTERMEDIATE GOLF
1/2-2 Units
Advanced instruction and practice on the golf course are included in this course. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. Prerequisite: Physical Education 202 or equivalent. Transfer credit: CU, UC, USC

205 INTERCOLLEGIATE GOLF
1/2-2 1/2 Units
Physical Education 205 is development of play for competitive participation. Spring semester only. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. Prerequisite: Some previous playing experience in golf. Note: Limited to students competing for the varsity team. Transfer credit: CU, UC, USC

208 BEGINNING GYMNASTICS
1/2-2 1/2 Units
Physical Education 208 covers techniques in tumbling and apparatus activities with emphasis upon body balance, coordination, and rhythm. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. Prerequisite: None. Transfer credit: CU, UC, USC

222 PADDLE TENNIS
1/2-2 1/2 Units
Physical Education 222 is instruction and practice in the basic strokes, fundamental techniques, and rules of the game. A sport very similar to regular tennis. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. Prerequisite: None. Transfer credit: CU, UC, USC

224 RACQUETBALL
1/2-2 1/2 Units
Physical Education 224 is introduction and practice in the fundamental techniques and rules of the game. Each student is responsible for a minimal court fee. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. Prerequisite: None. Transfer credit: CU, UC, USC

226 RUNNING AEROBICS
1-2 1/2 Units
Physical Education 226 is an introduction to running aerobics as a lifetime activity. The purpose of this course is to make the student aware of the physiological and psychological benefits derived from running aerobics. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. Prerequisite: None. Transfer credit: CU, UC, USC

227 SELF DEFENSE FOR THE WOMAN
1/2-2 Units
Physical Education 227 teaches practical self defense techniques for women stressing both physical and psychological preparedness for defense. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. Prerequisite: None. Transfer credit: CU, UC, USC

228 SOCCER THEORY
2 Units
Physical Education 228 is designed for men and women. It covers the theoretical foundations of the sport of soccer, with emphasis on strategy, game tactics, philosophy, and FIFA laws of the game. Lecture 2 hours, laboratory 1 hour. Prerequisite: None. Note: Physical Education 228 is recommended for Physical Education majors and students planning to participate in varsity soccer. Transfer credit: CU, UC, USC

229 SOCCER
1/2-2 1/2 Units
Physical Education 229 is instruction and practice in the basic fundamentals, techniques, and rules of soccer. Development of team play, with emphasis on offensive and defensive strategy. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. Prerequisite: None. Transfer credit: CU, UC, USC

230 INTERCOLLEGIATE SOCCER—MEN
1/2-2 1/2 Units
Physical Education 230 is instruction and practice in intercollegiate play including techniques, rules, strategy, and history as well as comprehensive physical training. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. Recommended preparation: Some previous playing experience in soccer. Transfer credit: CU, UC, USC

231 SOFTBALL
1/2-2 1/2 Units
Physical Education 231 will furnish practice in the fundamental skills of throwing, fielding, hitting, and team play. Instruction in rules and game strategy will be given. Conditioning and stretching exercises are presented to increase strength and flexibility. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. Prerequisite: None. Transfer credit: CU, UC, USC

235 INTERCOLLEGIATE SOFTBALL
1/2-2 1/2 Units
Physical Education 235 provides the opportunity for individual instruction and development of team play for competitive participation with other community colleges. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. Prerequisite: Some previous playing experience in softball. Note: Limited to students competing for the varsity team. Transfer credit: CU, UC, USC

241 SOCCER—WOMEN
1/2-2 1/2 Units
Physical Education 241 offers instruction and practice in the basic fundamentals, techniques, and rules of soccer. Students learn the development of team play, with emphasis on offensive and defensive strategy. Lecture 1/2-1 1/2 hours, laboratory 1 1/2-3 1/2 hours. Prerequisite: None. Transfer credit: CU, UC, USC
243 INTERCOLLEGIATE SOCCER—WOMEN
2½ Units
Physical Education 243 is instruction and practice in intercollegiate play including techniques, rules, strategy, and history as well as comprehensive physical training. Lecture 1½ hours, laboratory 3½ hours. Prerequisite: None. Note: Some experience playing soccer is recommended. Transfer credit: CSU, UC, USC

261 BEGINNING TENNIS
1½-2½ Units
Physical Education 261 offers instruction and practice in the basic strokes, fundamentals and techniques of the game. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Transfer credit: CSU, UC, USC

262 INTERMEDIATE TENNIS
1½-2½ Units
Physical Education 262 offers instruction and practice in individual fundamentals, development of team play and court strategy in tennis. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: Some previous playing experience in tennis. Transfer credit: CSU, UC, USC

263 ADVANCED TENNIS
1½-2½ Units
Physical Education 263 offers individual instruction and development of advanced techniques for competitive participation. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: Physical Education 262 or equivalent. Transfer credit: CSU, UC, USC

266 INTERCOLLEGIATE TENNIS—MEN
1½-2½ Units
Physical Education 266 is development of team play for competitive participation. Offered Spring semester only. Daily. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: Some previous playing experience in tennis. Note: Limited to students trying out for the varsity team. Transfer credit: CSU, UC, USC

267 INTERCOLLEGIATE TENNIS—WOMEN
1½-2½ Units
Physical Education 267 offers advanced techniques for competitive participation with other community colleges. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: Some previous experience in tennis. Note: Recommended for students trying out for the varsity team. Offered Spring semester only. Transfer credit: CSU, UC, USC

270 OFF-SEASON TRAINING FOR INTERCOLLEGIATE TRACK AND FIELD
1½-2½ Units
Physical Education 270 is instruction and practice in fundamental techniques of running and field events. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Transfer credit: CSU, UC, USC

272 INTERCOLLEGIATE TRACK AND FIELD—MEN
1½-2½ Units
Physical Education 272 is designed for competitive participation. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Note: Spring semester only. Limited to students trying out for the varsity team. Transfer credit: CSU, UC, USC

273 INTERCOLLEGIATE TRACK AND FIELD—WOMEN
2½ Units
Physical Education 273 is designed for competitive participation in track and field. Lecture 1½ hours, laboratory ½ hours. Prerequisite: None. Note: Spring semester only. Limited to students trying out for the varsity team. Transfer credit: CSU, UC, USC

274 BEGINNING VOLLEYBALL
1½-2½ Units
Physical Education 274 offers instruction and practice in volleyball techniques with team tournaments. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Transfer credit: CSU, UC, USC

275 INTERMEDIATE VOLLEYBALL
1½-2½ Units
Physical Education 275 offers instruction and practice in volleyball techniques with team tournaments for experienced players. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: Physical Education 274 or equivalent. Transfer credit: CSU, UC, USC

276 ADVANCED VOLLEYBALL
1½-2½ Units
Physical Education 276 gives the student the opportunity for development of advanced techniques in volleyball for competitive participation with other community colleges. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: Physical Education 275 or equivalent. Transfer credit: CSU, UC, USC

281 INTERCOLLEGIATE VOLLEYBALL—MEN
1½-2½ Units
Physical Education 281 offers instruction and practice in individual fundamentals, development of team play and court strategy for competitive participation. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: Previous playing experience in volleyball. Note: Recommended for physical education majors. Limited to students trying out for varsity volleyball teams. Transfer credit: CSU, UC, USC

282 INTERCOLLEGIATE VOLLEYBALL—WOMEN
1½-2½ Units
Physical Education 282 provides the opportunity for individual instruction of development of team play for competitive participation with other community colleges. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: Some previous playing experience in volleyball. Note: Limited to students competing for the varsity team. Transfer credit: CSU, UC, USC

294 STRESS REDUCTION
1½-2½ Units
Physical Education 294 will provide the student with specific tools for recognizing and combating stress. Attention will be given to the physiological aspects of stress along with practical knowledge of stress reduction techniques. Lecture ½-1½ hours, laboratory 1½-3½ hours. Prerequisite: None. Transfer credit: CSU
295 WALKING FOR HEALTH & FITNESS  
½-2½ Units

Physical Education 295 is an introduction to the benefits of an organized walking program. The class provides the student with various methods of walking to achieve whole-body fitness, flexibility, and increased cardio-vascular health efficiency. The course also discusses methods of using walking as a form of weight control and stress management in addition to achieving a healthful life style. This class is ideal for the student wishing a low-impact aerobic work-out. Lecture ½–1½ hours, laboratory 1½–3½ hours. **Prerequisite:** None. **Transfer credit:** CSU, UC, USC

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PHYSICAL SCIENCE

131 GENERAL PHYSICAL SCIENCE  
4 Units

Physical Science 131 is designed to give a cultural appreciation of the scientific method and an elementary working knowledge of the fields studied. Emphasis is placed on the scientific theories. The course is an integrated survey of physics, chemistry, geology, and astronomy. Elementary mathematical concepts are introduced as required. Lecture 4 hours, discussion 1 hour, laboratory 1 hour. **Prerequisite:** None. **Transfer credit:** CSU, UC, USC

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PHYSICS

101 ENGINEERING PHYSICS  
5 Units

Physics 101 involves the study of mechanics and properties of matter. The course is an intensive study of motion, dynamics and statics, oscillations, wave motion, and sound, with emphasis upon vector analytical methods. The Macintosh computer and spreadsheets are used extensively. Lecture 5 hours, laboratory 3 hours. **Prerequisite:** Physics 105 or physics taken in high school with a grade of "C" or better and Mathematics 103. (Mathematics 104 must be taken concurrently with or prior to taking Physics 101.) **Note:** Physics 101 is restricted to engineering and science majors. **Transfer credit:** CSU, UC, USC (CAN PHYS 8)

102 ENGINEERING PHYSICS  
4 Units

Physics 102 is a study of static electricity including Gauss' Law, potentials and electric fields, direct and alternating current theory, laws of magnetism and magnetic properties of matter, electromagnetism and induced currents, Maxwell's equations and radiation theory. Lecture 4 hours, laboratory 2 hours. **Prerequisite:** Physics 101 and Mathematics 104. **Transfer credit:** CSU, UC, USC (CAN PHYS 12)

103 ENGINEERING PHYSICS  
5 Units

Physics 103 covers heat, thermodynamics, optics, and modern physics and involves an intensive study of the concepts of fluids, temperature, heat, calorimetry, heat transfer, thermodynamics, entropy, and kinetic theory. The course focuses on a thorough presentation of geometrical and physical optics with considerable emphasis on modern physics including quantum physics, wave mechanics, and special relativity. Lecture 5 hours, laboratory 2 hours. **Prerequisite:** Physics 101 and Mathematics 104. **Transfer credit:** CSU, UC, USC (CAN PHYS 14)

105 GENERAL PHYSICS  
4 Units

Physics 105 is a general course that focuses on properties of matter, mechanics, heat, wave motion, and sound. It includes lectures, demonstrations, problems, and laboratory work. Lecture 3 hours, discussion 1 hour, laboratory 2 hours. **Prerequisite:** Algebra and trigonometry (Mathematics 102 or 110, or equivalent). **Note:** Required of pre-dental and pre-medical students. **Transfer credit:** CSU, UC, USC (CAN PHYS 2)

106 GENERAL PHYSICS  
4 Units

Physics 106 is a general course that focuses on the study of light, electricity, magnetism, and modern physics. Lectures, demonstrations, problems, and laboratory work. Lecture 3 hours, discussion 1 hour, laboratory 2 hours. **Prerequisite:** Physics 105. **Note:** Required of pre-dental and pre-medical students. **Transfer credit:** CSU, UC, USC (CAN PHYS 4)

110 INTRODUCTION TO PHYSICS  
3 Units

Physics 110 is a brief presentation of some of the more important and usual phenomena in physics with classroom demonstrations and lectures in mechanics, heat, sound, light, magnetism, and modern physics. Lecture 3 hours. **Prerequisite:** None. **Note:** This course may not be taken for credit by students who have completed Physics 101 or 105. **Transfer credit:** CSU, UC, USC

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APPLIED PHYSICS

See Technical Education 145

PHYSIOLOGY

See Biology 121

POLICE SCIENCE

See Administration of Justice

POLITICAL SCIENCE

101 INTRODUCTION TO GOVERNMENT  
3 Units

Political Science 101 is an introduction to the principles and problems of government in the United States with emphasis placed on the Federal government and politics at the national level. Political Science 101 meets the California State requirement in the United States Constitution. Lecture 3 hours. **Recommended preparation:** Eligibility for English 101. **Note:** Political Science 101 allows only one unit of credit for students who have completed Political Science 105 or Social Science 132. Recommended for students seeking a Baccalaureate (4-year) degree. **Transfer credit:** CSU, UC, USC (Pol.Sci. 101 & 106 CAN GOVT 2)

102 MODERN COMPARATIVE GOVERNMENTS  
3 Units

Political Science 102 is a comparative study of the constitutional principles, governmental institutions, political parties, and recent history of policy and action of selected foreign governments. Lecture 3 hours. **Prerequisite:** Political Science 101 or 103 or 105 or 125 or 126 or Social Science 132. **Transfer credit:** CSU, UC, USC
103
INTRODUCTION TO WORLD POLITICS
3 Units
Political Science 103 develops an intellectual framework which will order students' thoughts on world politics and enable them to analyze and evaluate present and potential issues and events that affect international power and the pursuit of peace. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC.

105
AMERICAN POLITICAL IDEALS
2 Units
Political Science 105 is a study of the theory and practices of the American democratic political process and formal institutional functions. Special emphasis is placed on the Federal Constitution and how it operates in the context of political democracy. The role of parties and groups in politics is analyzed. Political Science 105 meets the California State requirement in the United States Constitution. Lecture 2 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: It is recommended that the California State requirement in American History be completed prior to enrollment in this course. This course may not be taken for credit by students who have completed Political Science 101 or Social Science 132. Students who have successfully completed Political Science 105 and Political Science 106 will not be granted credit for Political Science 151. Recommended for students seeking an Associate in Arts degree. Transfer credit: CSU, UC, USC.

106
AMERICAN STATE AND LOCAL GOVERNMENT
1 Unit
Political Science 106 is a study of the origins, structures, and functions of California government and politics with emphasis on the State level, but including the city, county and district levels. Lecture 2 hours. (5 weeks) Recommended preparation: Eligibility for English 120 or ESL 151. Note: It is recommended that this course be taken after the completion of the Constitution requirement. This course may not be taken for credit by students who have completed Social Science 132. Students who have successfully completed Political Science 106 will be granted only two units of credit for completion of Political Science 151. Students who have successfully completed Political Science 105 and 106 will not be granted credit for Political Science 151. Transfer credit: CSU (Pol. Sci. 101 & 106 Can GOVT 2).

107
INTRODUCTION TO STATISTICS (Also listed as Economics 107, Psychology 107, Sociology 107)
3 Units
Political Science 107 is an introduction to the theory of probability and to the methodology of statistical analysis. Methods of classifying and describing natural events in quantitative terms will be considered. The course emphasizes both descriptive and inferential techniques of analyzing scientific data. Lecture 3 hours. Recommended preparation: Mathematics 141 or one year of high school algebra or equivalent and eligibility for English 101. Note: A maximum of three units may be earned for Political Science 107, Economics 107, Psychology 107, Sociology 107, or Mathematics 195. Transfer credit: CSU.

110
CONTEMPORARY WORLD PROBLEMS
3 Units
Political Science 110 examines the controversial issues in world politics—from regional conflicts, international economic relations, arms and disarmament, human rights and foreign policy, to environmental considerations. The format of the course is multidimensional, using lecture, discussion, and debate techniques. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU, UC, USC (Transfer limitation: See counselor).

111
THE MODERN MIDDLE EAST: ITS POLITICAL AND ECONOMIC IMPACT
3 Units
Political Science 111 is a survey of the historical background and current politics of the Middle East. Topics covered include: introduction to the land, peoples, cultures, and religions; overview of the history of the region, with an emphasis on the Eastern Question, emergence of the modern nation-states following World War I; internal political developments in major countries up to the present; Westernization and Islamic resurgence; regional conflicts and international connections; the economic and political impact of oil; European and Soviet influences; Middle East lobbies in the United States and U.S. foreign policy. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC.

151
FUNDAMENTALS OF GOVERNMENT AND YOU
3 Units
Political Science 151 deals with the individual as a student, as a worker, and as a member of society. It examines the benefits, controls, and rights of the individual which result from our political system as it operates through government. Meets the requirements of the A.A. Degree in the United States Constitution and state and local government. Lecture 3 hours. Recommended preparation: English 191 or eligibility for ESL 151 or English 120. Note: Students who have successfully completed Political Science 106 will be granted only two units of credit for completion of Political Science 151. Students who have successfully completed Political Science 106 and Political Science 106 will not be granted credit for Political Science 151.

PRESCCHOOL CHILD

See Child Development 135
PSYCHOLOGY

101
GENERAL PSYCHOLOGY
3 Units
Psychology 101 is an intensive study of human behavior. The course examines scientific principles, biological basis of behavior, sensation, perception, learning, memory, motivation, thinking, individual differences, intelligence, personality, behavior disorders, and therapeutic behavior change. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Note: Sophomore standing preferred. Transfer credit: CSU, UC, USC (CAN PSY 2)

103
PHYSIOLOGICAL PSYCHOLOGY
3 Units
Psychology 103 is an exploration of the relationship between mind and body, emphasizing the neurological correlates of behavior. The course includes the structure and functions of the nervous system, methodology, concepts of physiological psychology, and current developments. Lecture 3 hours. Prerequisite: Psychology 101. Transfer credit: CSU, UC, USC

104
SOCIAL PSYCHOLOGY
3 Units
Psychology 104 deals with people as social beings. Topics covered include moral development, cooperation and competition, violence and war aggression, prejudice, attitudes, conformity, sexual behavior, group processes, non-verbal communication, interpersonal attraction, and altruism. Lecture 3 hours. Prerequisite: Psychology 101. Transfer credit: CSU, UC, USC

105
PSYCHOLOGY OF HUMAN SEXUALITY
3 Units
Psychology 105 is a survey of human sexuality. The course focuses on internal and external anatomy, physiological functioning and dysfunctioning, causes and possible corrections of dysfunctions. It covers such matters as conception, pregnancy, childbirth, methods of birth control and family planning, and cultural and psychological influences. Lecture 3 hours. Prerequisite: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

106
DEVELOPMENTAL PSYCHOLOGY
3 Units
Psychology 106 is the study of the psychological development of the person from the prenatal period through old age and death. This course emphasizes theories and their applications to physical, cognitive, social, and emotional development throughout the human life-span. Lecture 3 hours. Recommended preparation: Eligibility for English 101. Transfer credit: CSU, UC, USC

107
INTRODUCTION TO STATISTICS
(Also listed as Economics 107, Political Science 107, Sociology 107)
3 Units
Psychology 107 is an introduction to the theory of probability and to the methodology of statistical analysis. Methods of classifying and describing natural events in quantitative terms will be considered. The course emphasizes both descriptive and inferential techniques of analyzing scientific data. Lecture 3 hours. Recommended preparation: Mathematics 141 for one year of high school algebra or equivalent and eligibility for English 101. Note: A maximum of three units may be earned for Psychology 107, Economics 107, Political Science 107, Sociology 107, or Mathematics 136. Transfer credit: CSU

108
THE PSYCHOLOGY OF LOSS EXPERIENCE
3 Units
Psychology 108 is a study of loss experiences, including but not limited to loss by death, together with their impact on the grieving survivor. This course examines historical and contemporary attitudes and practices and the historical factors that have influenced significant changes between the two. Various kinds of losses are defined and explored. Stages of grieving, death preparation, and stages of grieving and recovery are included together with recommendations from modern experts for facilitating recovery. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU

109
INTRODUCTION TO GERONTOLOGY
3 Units
(Also listed as Sociology 105)
Psychology 109 is an introduction to the study of social gerontology, aging and its implications for the individual and society utilizing a multidisciplinary approach. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may not be taken for credit by students who have completed Sociology 105. Transfer credit: CSU, UC, USC

110
THE PSYCHOLOGY OF PERSONAL AND SOCIAL ADJUSTMENT
3 Units
Psychology 110 is a study of the processes of human adjustment. The characteristics of healthy and unhealthy personality patterns, and the forces that shape them, will be studied. Psychological principles are applied to problems of personal growth, self-awareness, problem-solving, stress and crisis management and interpersonal relationships and the skills needed to maintain them in various life situations. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU

111
WOMEN: MIND AND BODY
3 Units
Psychology 111 is an investigation into traditional and nontraditional medical model health delivery systems, with special emphasis on women and their bodies. Major topics covered are women as research subjects, cross-cultural perspectives on the use of health care, and current research findings on menstruation, pregnancy, menopause, sexually transmitted diseases, HIV, cancer, and cardiovascular diseases. Psychological concepts of fitness, nutritional awareness, belief systems and emotional management, and stress reduction are addressed. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC
113
PSYCHOLOGY OF WOMEN
3 Units
Psychology 113 is a study of the psychological factors which contribute to the present emotional, sexual and economic status of the American woman. This study is designed to help the student better understand the experiences of women through the examination of family structure, social structure, female sexuality and self-esteem. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC.

114
PSYCHOLOGY OF HUMAN COMMUNICATION
3 Units
Psychology 114 is a study of the process of human communication. The characteristics of effective communication and its uses are studied and the specific skills for the achievement of effective communication are explored. The application of communication skills to the building of interpersonal relationships, the resolution of conflicts. and the attainment of personal growth are included in this course of study. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU.

115
ABNORMAL PSYCHOLOGY
3 Units
Psychology 115 deals with maladaptive or abnormal behavior of human beings. Topics covered include classifications, clinical pictures, causal factors, treatment and outcomes of maladaptive patterns, assessment, therapy, and prevention. Lecture 3 hours. Prerequisite: Psychology 101. Transfer credit: CSU, UC, USC.

131
MARRIAGE AND INTIMATE RELATIONSHIPS
(Also listed as Sociology 131)
3 Units
Psychology 131 studies, with an emphasis on psychological and sociological theories and research, the development of traditional and contemporary patterns of people living together. Topics examined include the historical development of marriage, diverse lifestyles (including single-parenting, the blended family, and gay and lesbian partnerships), partner compatibility, communication techniques, intimacy, conflict, child-rearing, dissolution of partnerships, and speculation about the future of relationships. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may not be taken for credit by students who have completed Sociology 131. Transfer credit: CSU.

QUALITY ASSURANCE

101
PROCESS AND PRODUCTION PLANNING
3 Units
Quality Assurance 101 is an introduction to the concepts of industrial production planning. Emphasis is placed on technical skills required in efficiently creating and planning work orders and related data to meet industrial standards. Lecture 3 hours. Prerequisite: Technical Education 143 or Electronics and Computer Technology 100 or Mathematics 141. Transfer credit: CSU.

QUALITY CONTROL

101
PRINCIPLES OF METROLOGY
3 Units
Quality Control 101 presents the principles of measurement systems, units, measurement standards, and calibration control. Metrication, basic standards, and traceability applications of instruments and gauges are presented as they relate to quality control. Lecture 3 hours. Prerequisite: Technical Education 143 or Electronics and Computer Technology 100 or Mathematics 141. Transfer credit: CSU.

102
QUALITY CONTROL APPLICATION
3 Units
Quality Control 102 is an analysis of engineering drawing and technical skills in researching standard requirements used in creating practical work sequenced assembly methods. Lecture 3 hours. Prerequisite: Technical Education 143 or Electronics and Computer Technology 100 or Mathematics 141. Transfer credit: CSU.

103
STATISTICAL PROCESS CONTROL
3 Units
Quality Control 103 presents an in-depth study of probability and statistics in relation to quality control. Emphasis is placed on current industrial standards and procedures used throughout the Aerospace Industry. Lecture 3 hours. Prerequisites: Technical Education 143 or Electronics and Computer Technology 100 or Mathematics 141. Transfer credit: CSU.

REAL ESTATE

Classes in real estate are offered for students interested in the field of real estate. The courses are designed to accommodate the real estate education needs of students in preparing for real estate careers as well as those already engaged in real estate services. The curriculum provides instruction designed to assist those wishing to obtain real estate sales and real estate broker licenses. Most of the courses are scheduled in the Evening College Program. A Certificate of Completion may be earned.

101
REAL ESTATE PRINCIPLES
3 Units
Real Estate 101 covers the basic laws and principles of California real estate and gives understanding, background, and terminology necessary for advanced study in specialized courses. The course is of assistance to those preparing for the real estate sales license examination. Lecture 3 hours. Prerequisite: None. Note: This course may be taken 3 times; a maximum of 9 units may be earned. Transfer credit: CSU.
120 REAL ESTATE PRACTICE
3 Units
Real Estate 120 covers the day-to-day operations from the viewpoint of the real estate salesperson. The topics covered include: listing, prospecting, advertising, financing, sales techniques, escrow, and ethics. This course applies toward the State of California's educational requirement for the salesperson's and broker's examination. Lecture 3 hours. Recommended preparation: Real Estate 101. Transfer credit: CSU

125 REAL ESTATE SALES SOFTWARE
1 Unit
Real Estate 125 is designed to introduce students to computers and teach them how to use the computer as a tool in the real estate industry. The course's primary emphasis is on understanding the theories and concepts of the computer and how use of the computer is going to change the concepts and theories taught in other real estate courses. Current software emphasizing database management and remote communicating is taught. Lecture 1 hour, laboratory 3 hours (3 weeks). Recommended preparation: Real Estate 101. Transfer credit: CSU

130 REAL ESTATE ECONOMICS
3 Units
Real Estate 130 deals with those trends and factors which affect the value of real estate; the nature and classification of land economics; the development of property, construction and subdivision; economic values and real estate evaluation; real estate cycles and business fluctuations, residential market trends, real property, and special purpose property trends. Lecture 3 hours. Recommended preparation: Real Estate 101. Transfer credit: CSU

140 LEGAL ASPECTS OF REAL ESTATE
3 Units
Real Estate 140 is a study of California real estate law, including rights incident to property ownership and management, agency, contracts, and application to real estate transfer, conveyancing, probate proceedings, trust deeds, and foreclosure, as well as recent legislation governing real estate transactions. This course applies toward education requirement of broker's examination. Lecture 3 hours. Recommended preparation: Real Estate 101. Transfer credit: CSU

150 REAL ESTATE FINANCE
3 Units
Real Estate 150 analyzes real estate financing, including lending policies and problems in financing transactions in residential, apartment, commercial, and special purpose properties. Methods of financing properties are emphasized. Lecture 3 hours. Recommended preparation: Real Estate 101. Transfer credit: CSU

160 REAL ESTATE APPRAISAL I
3 Units
Real Estate 160 covers the purposes of appraisals, the appraisal process, and the different approaches, methods, and techniques used to determine the value of various types of property. Emphasis is on residential and single-unit property. Lecture 3 hours. Recommended preparation: Real Estate 101. Transfer credit: CSU

170 REAL ESTATE BROKERAGE
(Office Administration)
3 Units
Real Estate 170 covers every aspect of real estate business from the broker's point of view. Brokerage office topics include what it takes to open, run, and maintain a real estate office, including the management functions of planning, organizing, staffing, directing, and controlling. Also covered are important areas such as the law of agency, ethical responsibilities, training salespeople, and advertising. This course applies toward the State of California's educational requirement for the salesperson's and broker's examination. Lecture 3 hours. Recommended preparation: Real Estate 101. Transfer credit: CSU

190 PROPERTY MANAGEMENT
3 Units
Real Estate 190 is a basic course in the management of income properties which analyzes specific types of properties that are managed; formulates and discusses the major problems of leasing, collections, rent schedules, tenant selection, neighborhood analysis, purchasing, evictions, preventive maintenance, depreciation, record keeping, and economics of property; and compiles a set of procedures for practical utilization in property management. Lecture 3 hours. Recommended preparation: Real Estate 101. Transfer credit: CSU

200 BUYING AND SELLING A BUSINESS
(Also listed as Business Administration 138)
3 Units
Real Estate 200 presents all the information necessary to conduct the purchase or sale of a small business. This course focuses on what a real estate agent should know so that he or she could properly list, offer, negotiate and sell a business. The techniques of marketing, financing, financial reporting, taxation, merging and business management are covered in detail. Lecture 3 hours. Recommended preparation: Real Estate 101. Note: This course may not be taken for credit by students who have completed Finance 200 or Business Administration 138. Transfer credit: CSU

250 ESCROW I
3 Units
Real Estate 250 is an introduction to the terminology, legal aspects, and process in the escrow function in real estate transactions. Emphasis is on the process of taking, processing, and closing of escrow. Lecture 3 hours. Recommended preparation: Real Estate 101. Transfer credit: CSU

251 ESCROW II
3 Units
Real Estate 251 is an advanced study of the principles and methods of handling escrows involving title to land, exchanges, sale of Deed of Trust and Note, and Leasehold. Included is a study of the various forms and practices employed in the drawing of escrow instructions, required documents, and buyers' and sellers' closing statements. Lecture 3 hours. Prerequisite: Real Estate 250 or equivalent.

RECREATION LEADERSHIP

105 PHYSICAL EDUCATION AND RECREATION FOR THE HANDICAPPED
2 Units
Recreation Leadership 105 is designed to train people to provide physical education and recreational activities for the handicapped, this course helps students understand and appreciate needs, desires, and problems related to various handicaps as well as learn how to provide such activities. Lecture 2 hours, laboratory 2 hours. Prerequisite: None. Transfer credit: CSU
109
RECREATION LEADERSHIP
2 Units
Recreation Leadership 109 is a basic training course for playground directors and recreation leaders. A study in the organization and administration of community and school recreation programs. Emphasis is placed on training in leadership techniques and on the development of programs in recreation, sports, and athletics. Lecture 2 hours, laboratory 1 hour. Prerequisite: None. Note: Recommended for physical education majors and students entering the recreation field. Transfer credit: CSU

101
BEGINNING RUSSIAN I
5 Units
Russian 101 presents the fundamentals of Russian grammar. The skills of listening comprehension, speaking, reading, and writing are developed at a basic level. In addition to the regular class hours, the student must spend one hour a week in the language laboratory. Lecture 5 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: Not open to students with oral proficiency or who have attended schools where Russian was the language of instruction. Transfer credit: CSU, UC, USC

102
BEGINNING RUSSIAN II
5 Units
Russian 102 is a continuation of Russian 101. The skills of listening comprehension, speaking, reading, and writing are developed at a basic level. In addition to the regular class hours, the student must spend one hour a week in the language laboratory. Lecture 5 hours. Prerequisite: Russian 101 or equivalent. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This class is not designed for native speakers of Russian. Transfer credit: CSU, UC, USC

110
BASIC CONVERSATIONAL RUSSIAN I
3 Units
Russian 110 teaches the fundamentals of grammar and correct pronunciation so that the student can employ a small working vocabulary in conversation and writing. The ability to read simple Russian is also developed. Lecture 3 hours. Prerequisite: None. Note: Not open to students who have oral proficiency or who have attended schools where Russian was the language of instruction. This course may be taken 2 times; a maximum of 6 units may be earned.

111
BASIC CONVERSATIONAL RUSSIAN II
3 Units
Russian 111 is a further study of the language with continued emphasis on developing essential communication skills. Fundamentals of grammar and oral expression are stressed. The course further develops a working knowledge of reading and writing as well. Lecture 3 hours. Prerequisite: Russian 110 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

SECRETARIAL STUDIES
See Business Office Technology

101
SIGN LANGUAGE I
4 Units
Sign Language 101 is an introductory course which provides instruction on deafness, deaf culture, and the language used by the deaf community. Lecture 4 hours, laboratory 2 hours. Prerequisite: None. Note: This course may be taken 2 times; a maximum of 8 units may be earned. Transfer credit: CSU, UC, USC

102
SIGN LANGUAGE II
4 Units
Sign Language 102 is designed to provide a continuation of the introductory course. The major focus of this course is to develop students' Sign Language vocabulary and comprehension of signed material. Lecture 4 hours, laboratory 2 hours. Prerequisite: Sign Language 101 or equivalent. Note: This course may be taken 2 times; a maximum of 8 units may be earned. Transfer credit: CSU, UC, USC

103
SIGN LANGUAGE III
4 Units
Sign Language 103 expands on the first courses by developing smooth transitions in production of Sign Language in dialogue form. Emphasis is placed on realistic dialogue situations and discussion groups conducted in the target language. Lecture 4 hours, laboratory 2 hours. Prerequisite: Sign Language 102 or equivalent. Note: This course may be taken 3 times; a maximum of 12 units may be earned. Transfer credit: CSU, UC, USC

SOCIAL SCIENCE

101
INTRODUCTION TO EDUCATION
3 Units
Social Science 101 is an introductory course designed to acquaint the student with the field of education. The course covers teacher preparation, the professional qualifications needed by the teacher, the duties and opportunities of the professional educator, and the contemporary issues in the field of education. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU

121
ETHNIC AND RACIAL MINORITIES
3 Units
Social Science 121 surveys the major ethnic and racial minorities in the United States to provide a basis for a better understanding of the socio-economic, cultural and political conditions among the following minorities: Afro-American, Mexican-American, Chinese, Japanese, American Indian, women, and other social minority groups. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC
122 MEXICAN-AMERICAN STUDIES
3 Units
Social Science 122 is designed to provide the student with an understanding and appreciation of the social, political, economic, and cultural experiences of the Mexican people in the United States. The course focuses on the Chicano experience after the signing of the Treaty of Guadalupe Hidalgo in 1848. The course continues to explore and analyze the contemporary problems of the Chicano people throughout the nation. Special attention is given to such topics as: immigration, political and labor participation, education, the family, and cultural expression. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

123 ASIANS IN AMERICA
3 Units
Social Science 123 is a survey course which examines the experience of Asian American groups (Chinese, Japanese, Filipinos, Koreans, and others) from the mid-nineteenth century to the present. The course emphasizes these themes as it considers each immigrant group: stereotyping, push and pull factors in immigration, labor experiences, racism and discrimination in American society as applied to Asian Americans, contributions of Asian Americans to American society, community life before and since World War II, problems of the Asian American community today. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

124 INTERNATIONAL/INTERCULTURAL STUDIES
3 Units
Social Science 124 is designed to provide a critical and analytical introduction to the problems of global understanding. Studies are conducted on the ways in which the individual personality is shaped in a particular culture and civilization. The course is designed for all students, regardless of cultural background, who wish to enhance their ideas of what it means to belong in a peer group, or in a family, or in the larger community. This is a cross-cultural communication skills building course. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

125 THE AMERICAN EXPERIENCE—AMERICAN HERITAGE
3 Units
Social Science 125 covers issues and events from colonial times through the Civil War which are discussed and evaluated in relation to their social, cultural, political, and economic significance. Important contributions of significant men and women to the historical development of the country are highlighted. Students are introduced to the contemporary American political process and its formal institutional functions in a comparative study of federal, state, and local governments. The operation of the federal constitution in a political democracy is emphasized. The roles of political parties and special interest groups are examined. Students learn the structure and function of government in relation to the individual. Major rights and freedoms of citizens and non-citizens in the United States and California are delineated and discussed. The completion of Social Science 125 and 126 fulfills the California State requirements in American History, Institutions and State and Local Government. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: Social Science 125 and 126 are designed for F-1 visa students who speak a language other than English as their first language, or naturalized citizens, or immigrants seeking naturalization who have never taken U.S. History taught in English or in a U.S. high school. All others should take the standard courses in U.S. History and Government. No credit allowed for students who have completed History 110, 111, 117, 118, or 151; Economics 111; Political Science 101, 105, 106, or 151; Social Science 131 or 132. Transfer credit: CSU

126 THE AMERICAN EXPERIENCE—MODERN AMERICA
3 Units
Social Science 126 covers issues and events since the Reconstruction to the present which are discussed and evaluated in relation to their social, cultural, political, and economic significance. Important contributions of significant men and women to the historical development of the country are highlighted. Students are introduced to the contemporary American political process and its formal institutional functions in a comparative study of federal, state, and local governments. The operation of the federal constitution in a political democracy is emphasized. The roles of political parties and special interest groups are examined. Students learn the structure and function of government in relation to the individual. Major rights and freedoms of citizens and non-citizens in the United States and California are delineated and discussed. The completion of Social Science 125 and 126 fulfills the California State requirements in American History, Institutions, and State and Local Government. Lecture 3 hours. Prerequisite: Social Science 125. Note: Social Science 125 and 126 are designed for F-1 visa students who speak a language other than English as their first language, or naturalized citizens, or immigrants seeking naturalization who have never taken U.S. Government or U.S. History taught in English or in a U.S. high school. All others should take the standard courses in U.S. History and Government. No credit allowed for students who have completed History 110, 111, 117, 118, or 151; Economics 111; Political Science 101, 105, 106, or 151; Social Science 131 or 132. Transfer credit: CSU

127 LOS ANGELES COUNTY: HISTORY, POLITICS, AND CULTURE
3 Units
Social Science 127 examines one of the most culturally diverse places on Earth—Los Angeles County. The region is viewed in three contexts: its history, its portrayals in literature, and the issues it faces today. The historic underpinnings of the region are explored from the Gabrieliño people of the Spanish, Mexican, and United States eras. This course includes the stories of ethnic and racial groups, including some not often associated with the area's history. The last segment of the course examines contemporary issues, opportunities, and problems facing Los Angeles County. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU
131 INTRODUCTION TO SOCIAL SCIENCE
4 Units
Social Science 131 examines the interrelationship of the social sciences and their application to the problems of group living in the twentieth century through a survey of the principal facts and concepts of history and sociology. Problems are studied in relationship to the historical development of the United States. The student is led to acquire a body of knowledge through an analysis of historical and contemporary social problems. This course meets the California State requirements in American History. Lecture 4 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: Social Science 131 allows only two units of credit for students having credit in History 110 or 111. If History 117-118 are completed for credit, then no units are allowed for Social Science 131. Transfer credit: CSU, UC, USC

132 INTRODUCTION TO SOCIAL SCIENCE
4 Units
Social Science 132 examines the interrelationship of the social sciences and their application to the problem of group living in the twentieth century through a survey of the principal facts and concepts of political science and economics. Problems are studied in relationship to governments in the United States. The student is led to acquire a body of knowledge through an analysis of contemporary political and economic problems. This course meets the California State requirements in the American Constitution, and State and Local Government. Lecture 4 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: Social Science 132 allows only two units of credit for students having credit in Political Science 101 or Political Science 105. If only Political Science 106 has been completed for credit, three units are allowed. Transfer credit: CSU, UC, USC

134 WOMEN, MEN, AND SOCIETY
3 Units
Social Science 134 is a survey course which explores the experiences of women and men in American society. The course uses an interdisciplinary approach to look at old and new research about women and men. The sexist assumptions of most academic disciplines requires not just that material on women be integrated into these disciplines but that material on both sexes must be studied in new ways. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

136 WAR: HISTORY, CAUSES, SOLUTIONS
(Also listed as History 136)
3 Units
Social Science 136 explores the history, causes, and potential solutions to the problem of war. The history of individual wars is examined within a broader picture of war in general, including ancient warfare, the Middle Passage, the rise of modern war, and the development of total war. An interdisciplinary approach is taken in exploring the immediate causes of war, including historical, economic, political, anthropological, sociological, and psychological causes. The course probes moral and philosophical aspects for the ultimate causes of war. Finally, solutions are considered including diplomacy, treaties, the United Nations, a one-world government, and the dismantling of nation-states. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC (CAN SOC 2)

146 COMMUNITY VOLUNTEERISM LABORATORY
1 Unit
Social Science 146 is designed to give students who have successfully completed the Introduction to Community Volunteerism class a chance to continue volunteer service under supervision. Students complete three lab hours of volunteer work per week as well as meet with the instructor and submit a complete journal. Laboratory 3 hours. Prerequisite: Social Science 145. Note: This course may be taken 3 times; a maximum of 3 units may be earned. Transfer credit: CSU

SOCIOLOGY

101 INTRODUCTION TO SOCIOLOGY
3 Units
Sociology 101 is an introduction to sociology, its methods and resources. The course focuses on the following areas: society and culture, personality organization, social interaction and social processes, human groups and collective behavior, role and status, class and stratification, ethnic and other intergroup relations, ecology and urban sociology, population and social change. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC (CAN SOC 2)

102 SOCIAL CRISIS OF TODAY
3 Units
Sociology 102 develops a definition and criteria of social crises. The course examines social problems within the context of culture and economics. Selected social issues such as crime, ethnic tensions, poverty, work, youth, the changing nature and role of the family, homelessness, and related urban issues are addressed within functional and conflict theoretical frameworks. Lecture 3 hours. Prerequisite: Sociology 101. Transfer credit: CSU, UC, USC (CAN SOC 4)
104
SOCIOLOGY OF SEX AND GENDER
3 Units
Sociology 104 is a survey course that explores biological, anthropological, psychological, and sociological perspectives of sex and gender roles in American society and various other societies, such as Sweden, Russia, China, India, and so on. Focusing on power relations, the course uses a sociological and psychological approach to analyze sex and gender roles in major social institutions: Family, education, mass media, religion, work, law, political or economic structures, and medical systems. The analysis is placed in historical and contemporary contexts. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Transfer credit: CSU, UC, USC

105
INTRODUCTION TO GERONTOLOGY
(Also listed as Psychology 109)
3 Units
Sociology 105 is an introduction to the study of social gerontology, aging and its implications for the individual and society utilizing a multidisciplinary approach. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may not be taken for credit by students who have completed Psychology 109. Transfer credit: CSU, UC, USC

107
INTRODUCTION TO STATISTICS
(Also listed as Economics 107, Political Science 107, Psychology 107)
3 Units
Sociology 107 is an introduction to the theory of probability and to the methodology of statistical analysis. Methods of classifying and describing natural events in quantitative terms will be considered. The course emphasizes both descriptive and inferential techniques of analyzing scientific data. Lecture 3 hours. Recommended preparation: Mathematics 141 or one year of high school algebra or equivalent and eligibility for English 101. Note: A maximum of 3 units may be earned for Sociology 107, Economics 107, Political Science 107, Psychology 107, or Mathematics 136. Transfer credit: CSU

131
MARRIAGE AND INTIMATE RELATIONSHIPS
(Also listed as Psychology 131)
3 Units
Sociology 131 studies, with an emphasis on psychological and sociological theories and research, the development of traditional and contemporary patterns of people living together. Topics examined include the historical development of marriage, diverse lifestyles (including single-parenting, the blended family, and gay and lesbian partnerships), partner compatibility, communication techniques, intimacy, conflict, child-rearing, dissolution of partnerships, and speculation about the future of relationships. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may not be taken for credit by students who have completed Psychology 131. Transfer credit: CSU

102
BEGINNING SPANISH II
5 Units
Spanish 102 continues to present the fundamentals of Spanish grammar. It emphasizes correct pronunciation and presents more difficult elementary prose. The discussions in Spanish will stress the correct use of verbs and idioms and efficient methods of vocabulary building. Lecture 5 hours, laboratory ½ hour. Prerequisite: Spanish 101 or two years of Spanish in high school completed within the past two years or equivalent. Note: This course may not be taken for credit by students who have completed Spanish 116. In addition to the regular class hours, the student must spend one hour a week in the laboratory. Transfer credit: CSU, UC, USC (CAN SPAN 4)

103
INTERMEDIATE SPANISH I
5 Units
Spanish 103 includes further study of Spanish grammar and idioms, intensive and extensive reading in contemporary Spanish, and written compositions in Spanish. This class is conducted entirely in Spanish. Lecture 5 hours. Prerequisite: Spanish 102 or 116 or three years of Spanish in high school completed within the past two years. Note: In addition to the regular class hours, the student must spend one hour a week in the laboratory. Transfer credit: CSU, UC, USC (CAN SPAN 8)

104
INTERMEDIATE SPANISH II
4 Units
Spanish 104 is a continuation of Spanish 103 with reading of more difficult literary texts, and increased emphasis on composition and conversation. This class is conducted entirely in Spanish. Lecture 4 hours. Prerequisite: Spanish 103 or four years of Spanish in high school completed within the past two years. Note: In addition to the regular class hours, the student must spend two half-hour periods a week in the laboratory. Transfer credit: CSU, UC, USC (CAN SPAN 10)

105
CONVERSATIONAL SPANISH
3 Units
Spanish 105 is a course of intensive practice in the expression and comprehension of spoken Spanish. Lecture 3 hours. Prerequisite: One year of college Spanish or three years of high school Spanish or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned. Transfer credit: CSU, UC, USC
110 BASIC CONVERSATIONAL SPANISH I
3 Units
Spanish 110 is an introduction to Spanish with emphasis on developing essential skills in communication. The verbal active method used stresses oral expression. The course develops a working knowledge of reading and writing as well. Lecture 3 hours. Prerequisite: None. Note: Not open to students who have oral proficiency or who have attended schools where Spanish was the language of instruction. This course may not be taken for credit by students who have completed Spanish 115 and/or 116. This course may be taken 2 times; a maximum of 6 units may be earned.

111 BASIC CONVERSATIONAL SPANISH II
3 Units
Spanish 111 is an introduction to Spanish with emphasis on developing essential skills in communication. The verbal active method used stresses oral expression. The course develops a working knowledge of reading and writing as well. It includes use of tapes or cassettes in the language laboratory. Lecture 3 hours. Prerequisite: Spanish 110. Note: This course may not be taken for credit by students who have completed Spanish 102 or 116 or who take Spanish 102 or 116 concurrently with Spanish 111. This course may be taken 2 times; a maximum of 6 units may be earned.

112 BASIC CONVERSATIONAL SPANISH III
3 Units
Spanish 112 presents the fundamentals of Spanish grammar. It includes training in accurate pronunciation and comprehension, speaking, reading, and writing of simple Spanish. Oral expression is stressed. Lecture 3 hours. Prerequisite: Spanish 111 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

113 BASIC CONVERSATIONAL SPANISH IV
3 Units
Spanish 113 presents a completion of the fundamentals of Spanish grammar. It includes continued training in correct pronunciation, diction and intonation. It also provides training in reading comprehension of prose of increasing difficulty and discussion of Spanish cultural readings. Lecture 3 hours. Prerequisite: Spanish 112 or equivalent. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

115 SPANISH FOR THE SPANISH SPEAKING I
5 Units
Spanish 115 provides intensive training in oral and written Spanish for students who have a familiarity with the language but little or no formal instruction in it. Structure of the language, oral communication, fundamentals of grammar, and composition are included. Lecture 5 hours. Prerequisite: Fluency in Spanish. Note: This course may not be taken for credit by students who have completed Spanish 101. Transfer credit: CSU, UC, USC

116 SPANISH FOR THE SPANISH SPEAKING II
5 Units
Spanish 116 is a continuation of Spanish 115. Emphasis is on reading comprehension, composition, oral communication, and a more advanced study of the structure of the language. Lecture 5 hours. Prerequisite: Spanish 115. Note: This course may not be taken for credit by students who have completed Spanish 102. Transfer credit: CSU, UC, USC

117 BASIC CONVERSATIONAL SPANISH FOR MEDICAL PERSONNEL
1 Unit
NON-DEGREE APPLICABLE
Spanish 117 is an introduction to Spanish, with emphasis on developing essential skills in communication, for medical personnel. The verbal active method is used and oral expression is stressed. The course also develops working knowledge of reading and writing Spanish. Lecture 3 hours. Prerequisite: Spanish 111 or equivalent. Note: This course may be taken 2 times; a maximum of 2 units may be earned.

118 CONVERSATIONAL SPANISH FOR LAW ENFORCEMENT AND FIGHTING PERSONNEL
1 Unit
NON-DEGREE APPLICABLE
Spanish 118 is an introduction to Spanish, with emphasis on developing essential skills in communication, for law enforcement and fire fighting personnel. The verbal active method is used and oral expression is stressed. The course also develops a working knowledge of reading and writing Spanish. Lecture 3 hours. Prerequisite: Spanish 111 or equivalent. Note: This course may be taken 2 times; a maximum of 2 units may be earned.

124 ENGLISH TRANSLATIONS OF MASTERPIECES OF HISPANIC LITERATURE
3 Units
Spanish 124 is a study of major works of literature of Spain and Spanish America in English translation. No knowledge of Spanish is necessary. Lecture 3 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may not be taken for credit by students who have completed Spanish 125 or 126. Transfer credit: CSU, UC, USC

125 SURVEY OF SPANISH LITERATURE
3 Units
Spanish 125 is a lower division survey of the literature of peninsular Spain, from the ballads of the Medieval period to the twentieth century. Reading and class lectures are entirely in Spanish and are supplemented by tapes, records and films. Lecture 3 hours. Prerequisite: Spanish 104 and 106 or equivalent. Note: Students may receive only one unit of credit for Spanish 125 if they have received credit for Spanish 124. Transfer credit: CSU, UC, USC

126 SURVEY OF SPANISH AMERICAN LITERATURE
3 Units
Spanish 126 is a lower division survey of the literature of Spanish America, from the prehispanic literature of the Incas, as recorded by El Inca Garcilaso de la Vega, and the histories of the Mayas in the Popol Vuh, to the literature of the twentieth century. Reading and lectures will be entirely in Spanish. Tapes and records will be used to supplement text and lectures. Lecture 3 hours. Prerequisite: Spanish 104 and 106 or equivalent. Note: Students may receive only one unit of credit for Spanish 126 if they have received credit for Spanish 124. Transfer credit: CSU, UC, USC
127 MEXICAN LITERATURE
3 Units
Spanish 127 is a study of the literature of Mexico from Nahuatl poetry to current authors. Reading and class lectures are entirely in Spanish and are supplemented by tapes, records and films. Lecture 3 hours. Prerequisite: Spanish 104 and 106 or equivalent. Transfer credit: CSU, UC, USC

128 CUBAN LITERATURE
3 Units
Spanish 128 is a study of the literature of Cuba from the period of exploration to the present. Readings and class lectures are entirely in Spanish. Lecture 3 hours. Prerequisite: Spanish 104 and 106 or equivalent. Transfer credit: CSU, UC, USC

138 SPANISH FOR SCHOOL PERSONNEL
2 Units
NON-DEGREE APPLICABLE
Spanish 138 provides the student with the minimum fundamentals of Spanish grammar and correct pronunciation so that teachers and other school personnel can communicate with parents and pupils whose language is Spanish. Dialogues are emphasized. Lecture 2 hours. Prerequisite: None.

SPECIAL PROJECTS
150 SPECIAL PROJECTS
1-3 Units
Glendale Community College makes available in the curriculum of some divisions, units of study designated as special projects. The purpose of the Special Projects Program is to provide all students with an opportunity to explore subjects in the non-transfer courses of community college grade in greater depth than usual; to familiarize students with basic study technique; to interest students in possible career areas; and to take advantage of special interests relating to the instructional program. Emphasis is placed on a study relating to the individual needs of a student to enhance and reinforce the college learning experience. The courses do not follow a prescribed outline, but a project and/or contract is developed with the assistance of the sponsoring instructor and appropriate division. The instructor will supervise the program requiring community college level of work to be completed in not less than eighteen (18) hours of each unit of credit earned. Registration will be open to those students enrolled in six (6) or more units and is approved for the program by an instructor. No more than twelve units of special projects and independent study will be credited toward A.A., A.S. degree or certificate with a limit of six (6) units per division. A student may not register in more than one special project per semester and may not be enrolled concurrently in independent study. The instructor shall make arrangements for students' special projects registration with the Admission and Records Office. Attendance accounting procedures shall be cleared with the Admissions and Records Office by the instructor. Prerequisite: None.

SPEECH COMMUNICATIONS
100 INTERPERSONAL COMMUNICATION
3 Units
Speech 100 is designed to provide students with an understanding of factors affecting human communication on a day-to-day basis and to provide laboratory experiences aimed at developing skills in such areas as language, listening, assertiveness, conflict resolution, nonverbal behaviors, group problem solving, and cross-cultural communication. The instructional approach is deductive-inductive-deductive, involving lecture/discussions, activities demonstrating concepts covered, and further lecture/discussion for purposes of additional clarification. Lecture 3 hours. Recommended preparation: Eligibility for English 101. ESL students should complete ESL 155. Transfer credit: CSU, UC, USC

101 PUBLIC SPEAKING
3 Units
Speech 101 places emphasis upon organization and delivery of extemporaneous speeches. Experience is provided in but not limited to, informative and persuasive speaking. This course satisfies speech requirements of those expecting to transfer to colleges and universities. Lecture 3 hours. Prerequisite: Eligibility for English 101. Transfer credit: CSU, UC, USC (CAN SPCH 4)

102 PUBLIC SPEAKING
3 Units
Speech 102 places emphasis on the development of further effectiveness in the organization and delivery of speeches, and on the preparation of students for effective participation in group discussion and debate. Lecture 3 hours. Prerequisite: Speech 101. Transfer credit: CSU, UC, USC
103 GROUP DISCUSSION
3 Units
Speech 103 involves techniques and theories of discussion with emphasis on group productivity and oral communication in groups. Use of logical, clear reasoning in research, analysis of problems, effectiveness of participation, and leadership in the discussion mode are also examined. Class activities include role playing, problem solving, panel discussions, and symposium forum discussions. Lecture 3 hours. Recommended preparation: Eligibility for English 101. ESL students should complete ESL 155. Transfer credit: CSU, UC, USC.

104 ARGUMENTATION AND DEBATE
3 Units
Speech 104 is designed to provide students with an understanding of the factors affecting basic argumentation and debate on a day-to-day basis and to provide laboratory experiences aimed at developing skills in such areas as language, listening, assertiveness, conflict resolution, non-verbal behaviors, group problem solving, and cross cultural communication. The instructional approach is deductive-inductive, involving lecture/discussions, formal, in-class debates and critical analysis of contemporary issues. Lecture 3 hours. Prerequisite: One of the following:
1. Speech 101
2. Speech 103
3. High school public speaking
4. High school debate
Transfer credit: CSU, UC, USC (Can SPCH 6).

105 VOICE AND DICTION
3 Units
Speech 105 is designed to improve vocal quality and force, pitch flexibility, rate, articulation, and pronunciation. The student develops an understanding of the speech mechanism. Emphasis is placed on improvement through increased self-perception and practice exercises. Lecture 3 hours. Recommended preparation: Eligibility for English 101. ESL students should complete ESL 155. Transfer credit: CSU, UC, USC.

106 ORAL INTERPRETATION OF LITERATURE
3 Units
Speech 106 is designed to teach the skills and techniques of oral interpretation of literary works. Students learn to use their voices and articulation techniques to communicate emotional energy through the words of the text. Class exercises and instructor feedback are used to teach these concepts and to focus on the students' individual strengths and weaknesses. Selected students are chosen to participate in a reader's theatre production. Lecture 3 hours. Prerequisite: Speech 105. Recommended preparation: Eligibility for English 101. Note: An audition may be required. Transfer credit: CSU, UC, USC.

107 BUSINESS AND PROFESSIONAL SPEECH
3 Units
Speech 107 provides techniques for effective oral communication in the business environment. Emphasis is placed on audience analysis, organization, and speaking deportment. Class activities include interviewing, informative and persuasive presentations, and presentations in small group settings. Students have the opportunity to work extensively on videotape. Lecture 3 hours. Recommended preparation: Eligibility for English 101. ESL students should complete ESL 155. Transfer credit: CSU.

150 COGNITIVE AND LINGUISTIC REINTEGRATION
2 Units
NON-DEGREE APPLICABLE
Speech 150 is designed for students who demonstrate a significant deficit in receptive language skills and/or expressive language skills. Emphasis is placed on active student experimentation with specific communication skills acquired in the individual's laboratory component of the class. Lecture 2 hours, laboratory 1 hour. Prerequisite: None. Note: This course may be taken 4 times; a maximum of 8 units may be earned.

151 COMMUNICATION SKILLS FOR THE LANGUAGE DISABLED ADULT
2 Units
NON-DEGREE APPLICABLE
Speech 151 is designed for students who demonstrate a significant deficit in receptive language skills and/or expressive language skills. Emphasis is placed on active student experimentation with specific communication skills acquired in the individual's laboratory component of the class. Lecture 2 hours, laboratory 1 hour. Prerequisite: None. Note: This course may be taken 4 times; a maximum of 8 units may be earned.

152 SPEECH LAB
1 Unit
NON-DEGREE APPLICABLE
Speech 152 provides a setting for diagnostic testing and the subsequent development of an individualized educational plan for specialized group instruction of students who have communication disorders. Laboratory 3 hours. Prerequisite: None. Note: This course may be taken 4 times; a maximum of 4 units may be earned.

153 LISTENING SKILLS
½ Unit
NON-DEGREE APPLICABLE
Speech 153 is designed to develop techniques and strategies to compensate for students' auditory perceptual and auditory processing difficulties. Auditory perceptual and processing difficulties may be due to hearing deficits, speech-language disorders, learning disabilities, physical disabilities and/or acquired brain injuries. Instruction is provided on a small group basis, specifically concentrating on the areas of listening strategies, critical listening, and auditory memory. Practice in making effective use of tape recorded textbook materials is strongly emphasized. Lecture ½ hour, laboratory 1½ hour. Prerequisite: None.

STATISTICS
See Economics 107, Political Science 107, Psychology 107, Sociology 107, Mathematics 136
103 COLLEGE ORIENTATION FOR INTERNATIONAL STUDENTS
1 Unit
Student Development 103 is an introduction to customs unique to the American culture, prevalent American attitudes, United States immigration regulations affecting international students, and general principles for living and studying in the United States of America. Additionally, the course covers college academic regulations, requirements for transfer to four-year colleges and universities, college services, and specialized student support services. At the conclusion of the course, the student is able to produce a Student Educational Plan. Lecture 1-3 hours. Prerequisite: None. Note: This course may not be taken for credit by students who have completed Student Development 145. This course allows ½ unit of credit for students who have earned one unit or are enrolled in this course for one unit, and have completed Student Development 145. This course may be taken 2 times; a maximum of 2 units may be earned.

104 COLLEGE ORIENTATION FOR STUDENTS WITH DISABILITIES
1 Unit
Student Development 104 is an introduction to issues unique to students with disabilities. Additionally, the course covers college academic regulations, requirements for transfer to four-year colleges and universities, college services, and disabled student support services. At the conclusion of the course, the student is able to produce a Student Educational Plan. Lecture 1 hour. Prerequisite: None.

115 ORIENTATION TO FINANCIAL AID
½ Unit
NON-DEGREE APPLICABLE
Student Development 115 is an introduction to financial aid programs, policies, and issues with special emphasis on Glendale Community College's program procedures. It is designed to help students plan their academic career taking into account financial aid entitlements and responsibilities. Lecture ½ hour. Prerequisite: None.
128 VOCATIONAL PLANNING FOR STUDENTS WITH DISABILITIES
1-2 Units
Student Development 128 is a course designed to help students with disabilities choose a career goal by assessing and analyzing values, aptitudes, skills, and interests and relating them to a career area and to their specific disabilities. Decision-making strategies are taught, and a tentative vocational plan is developed. Lecture 1-2 hours. Prerequisite: None. Note: Allows only 1 unit of credit for students who have completed Student Development 126.

141 LEARNING SKILLS
1 Unit
Student Development 141 is designed to present straightforward practical study techniques. A special emphasis is placed on techniques to increase concentration while reading and listening, developing skill in Notetaking, preparing for and taking of examinations, writing a research paper, time management, the study environment, controlling stress and gaining motivation for success. Lecture 1 hour. Prerequisite: None. Note: Students may wish to complete Student Development 142 (lab) in conjunction with this course. This course may not be taken for credit by students who have completed Student Development 142 or 145. This course may be taken 2 times; a maximum of 2 units may be earned.

142 STUDY SKILLS
1 Unit
NON-DEGREE APPLICABLE
Student Development 142 places special emphasis on the time schedule, the discovery of the nature and extent of reading difficulties, outlining the lecture and reading assignments, efficient use of the facilities for study, developing skill in Note-taking, and preparing for examinations. Laboratory 3 hours. Recommended preparation: Eligibility for English 164. Note: This course may not be taken for credit by students who have completed Student Development 141 or 145.

143 STUDY SKILLS LAB
½-2 Units
NON-DEGREE APPLICABLE
Student Development 143 is a laboratory course designed to meet the individualized needs of students with disabilities. Specialized tutoring is offered to assist students in developing compensatory strategies necessary for success in mainstream classes and daily living. Laboratory ½-6 hours. Prerequisite: None.

144 ACADEMIC PROBATION
½-3 Units
NON-DEGREE APPLICABLE
Student Development 144 is a comprehensive introduction to study skills methods, academic support services, and students' academic assessment. The course is designed for students on academic probation. Lecture ½-3 hours. Prerequisite: None. Note: This course may not be taken for credit by students who have completed Student Development 145.

145 ACADEMIC SUCCESS
2 Units
Student Development 145 is a performance-oriented course designed to increase success in college. Students will develop their own success plans through self-evaluation and by learning to use specific techniques and resources. They will select a major and develop a Student Educational Plan. Topics covered include self-motivation and discipline, memory development, time management, study skills and techniques, short and long-term goal setting, college resources, and problem solving techniques. Lecture 2 hours, laboratory 1 hour. Prerequisite: None. Note: This course allows ½ unit of credit for students who have completed all of the following: Student Development courses: 100, 125, and 127. This course allows 1 unit of credit for students who have completed Student Development 141, 142, or 144. This course allows 1½ units of credit for students who have completed Student Development 100 or 125 or 127. Transfer credit: CSU

146 EFFECTIVE STUDY TECHNIQUES
1 Unit
NON-DEGREE APPLICABLE
Student Development 146 is a lecture course designed to familiarize students with disabilities with memory techniques, test preparation strategies, time management, and notetaking skills. This course helps students develop critical thinking skills as well as compensatory strategies. Lecture 3 hours. Prerequisite: None.

150 TUTOR TRAINING
1 Unit
NON-DEGREE APPLICABLE
Student Development 150 is an introduction to tutoring skills for students wishing to act as tutors at the college. The course emphasizes the linking of course content and critical thinking skills with the ability and skills necessary to assist students in their learning process. Lecture 1-2 hours. Prerequisite: None. Note: This course may be taken 2 times; a maximum of 2 units may be earned.

155 SUPPLEMENTAL INSTRUCTION TRAINING
1 Unit
NON-DEGREE APPLICABLE
Student Development 155 is designed for student leaders who are participating in Supplemental Instruction as Supplemental Instruction Leaders or Workshop Facilitators. The course content enables student leaders to help their fellow students learn critical thinking skills and collaborative learning strategies. Lecture 1 hour. Prerequisite: None.

165 STRESS MANAGEMENT
1 Unit
NON-DEGREE APPLICABLE
Student Development 165 is a course designed to assist the student to become aware of stress management and stress reduction. Students learn the basic techniques of relaxation, breathing processes, self awareness and assertiveness training. Students develop a stress reduction program to enhance their lives and learn to recognize the stressors encountered in school, work place and home environment. Lecture 1 hour. Prerequisite: None. Note: This course may be taken 2 times; a maximum of 2 units may be earned.

171 STUDENT LEADERSHIP
1 Unit
Student Development 171 presents the fundamentals of student leadership. Students study leadership theory, parliamentary law, committee techniques, democratic organization, principles and functions of student government, and group leadership problems. Lecture 1 hour, discussion 1 hour. Prerequisite: None. Note: Open to all students interested in developing leadership skills. Officers of all student organizations are urged to enroll. This course may not be taken for credit by students who have completed Social Science 141.
TECHNICAL DIVISION

Administration of Justice,
See p. 79
Architecture, See p. 82
Child Growth & Development,
See p. 104
Clothing-Textiles, See p. 135
Computer Aided Manufacturing,
See p. 108
Computer Integrated Manufacturing,
See p. 108
Cooperative Education, See p. 114
Cosmetology, See p. 115
Culinary Arts, See p. 115
Drafting, See p. 120
Educational Media Technology,
See p. 121
Electronics and Computer Technology, See p. 121
Engineering, See p. 123
Fashion Design Merchandising, See p. 135
Fire Technology, See p. 136
Hotel Restaurant Management, See p. 145
Machine Technology, See p. 149
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Preschool Education, See p. 104
Quality Assurance, See p. 179
Quality Control, See p. 179
Technical Education, See p. 190
Welding, See p. 193
Work Experience, See Cooperative Education

TECHNICAL EDUCATION

142 TECHNICAL MATHEMATICS I
3 Units
NON-DEGREE APPLICABLE
Technical Education 142 is a review of basic mathematics as required in the mechanical trade programs. Subject areas covered include units of measurement (inch and S.I. metric), decimals, percentages and fractions. Problems are drawn from the industrial field. Lecture 3 hours. Prerequisite: None.

143 TECHNICAL MATHEMATICS II
3 Units
Technical Education 143 is an advanced study of algebra, trigonometry, and quadratic equations as required in the mechanical trade programs. Problems are drawn from the industrial field. Lecture 3 hours. Prerequisite: Technical Education 142 or equivalent.

145 APPLIED PHYSICS
3 Units
Technical Education 145 studies the application of physics to industry. The course covers fundamental concepts, pressure and buoyancy in fluids, simple and compound machines, hydraulic and pneumatic machines, work, energy, and power, composition and resolution of forces, heat—its measurement, transfer, and conversion to work, light and color, magnetism, atomic energy, and electronics. Lecture 3 hours. Prerequisite: Technical Education 142 or Electronics and Computer Technology 100 or Mathematics 141 or equivalent. Transfer credit: CSU

147 SURVEY OF ROBOTICS
1 Unit
Technical Education 147 is a survey course designed to familiarize students enrolled in technical education industrial courses with the fundamentals of robotics and robot industrial systems. It is a basic study of the high-technology field of robotics, in order to develop an awareness of the field as it applies to individual areas of technical expertise. Areas covered include artificial intelligence, robot classifications and axis geometry, elements of robot systems, power and positioning, Servo Systems, teach-pendants, controllers, and sensors. Hands-on experience in the use and positioning of actual robot trainers is emphasized. Lecture 2 hours, laboratory 1 hour. (9 weeks) Prerequisite: None.

TELEVISION

101 INTRODUCTION TO TELEVISION PRODUCTION
3 Units
Television 101 is intended for the student majoring in the preparation of instructional television materials and the operation of video equipment. The topics covered include the recognition and utilization of video equipment, production of instructional television programs, and an examination of the most recent video technologies. Field trips to professional production facilities are also included. Lecture 2 hours, laboratory 4 hours. Prerequisite: None. Note: This course may be taken 3 times; a maximum of 9 units may be earned. Transfer credit: CSU

102 TELEVISION PRODUCTION SYSTEMS
3 Units
Television 102 teaches students how to operate professional television production equipment such as three-tube color cameras, 3/4" videocassette recorders, waveform monitors, vectorscopes, character generators, and computerize 3/4" video editing systems. Projects emphasize portable production techniques. Related topics include Time Code, components of the video signal, on-line and off-line editing, and time-base correction. Lecture 2 hours, laboratory 4 hours. Prerequisite: Television 101 or equivalent. Transfer credit: CSU

104 INTERMEDIATE TELEVISION PRODUCTION
3 Units
Television 104 is designed to meet the needs of the student majoring in the techniques and disciplines of television production. The emphasis is on actual production of television programs for the campus and community. Students are also involved in programming operations for the educational cable channel. Lecture 2 hours, laboratory 4 hours. Prerequisite: Television 101 or equivalent. Note: This course may be taken 3 times; a maximum of 9 units may be earned. Transfer credit: CSU
105 THEATRE ARTS WORKSHOPS
1-3 Units
Theatre Arts 105 is a production class. The students enrolled in this course will
be formed into a company to present the Glendale Community College drama produc-
tions. Each student will be assigned projects in accordance with his or her interests
and talents. The projects will involve some phase of theatrical production: acting,
directing, playwriting, business administration, or publicity. The rehearsal laboratory consists of
10-15 hours per week. Prerequisite: None. Note: This course may be taken 4 times;
a maximum of 12 units may be earned. A proportionate amount of work will be
assigned according to the number of units elected. Transfer credit: CSU, UC, USC

106 INTRODUCTION TO THEATRICAL DIRECTING
3 Units
Theatre Arts 106 is designed to introduce theatre students to the theory, techniques,
and skills of theatrical directing as well as to offer them practice in directing short scenes
from plays. Lecture 3 hours, laboratory 2 hours. Prerequisite: Theatre Arts 101, 103,
and 104. Transfer credit: CSU, UC, USC

107 DRAMA HERITAGE
3 Units
Theatre Arts 107 is a survey of dramatic literature from the classical to the modern
period from the production point of view. Periods of study include Greek, Medieval,
Renaissance, Restoration, and Modern Realism. The course combines the reading of
plays with field trips to local theatres and in-class audio-visual presentations to give
the student the means to analyze and appreciate the plays both as literature and performance.
Lecture 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC

109 STAGE MAKE-UP
1 Unit
Theatre Arts 109 provides instruction in the use and application of all types of stage
make-up. Students from this course compose the make-up crew for all college pro-
ductions. Theatre Arts majors should have at least one semester of make-up. Labora-
tory 3 hours. Prerequisite: None. Transfer credit: CSU, UC, USC
110 STAGE MAKE-UP
1 Unit
Theatre Arts 110 is a continuation of Theatre Arts 109 with emphasis on unusual character make-up. Laboratory 3 hours. Prerequisite: Theatre Arts 109. Transfer credit: CSU, UC, USC

121 STAGE SCENIC DESIGN
2 Units
Theatre Arts 121 is a practical course in instruction in the fundamentals of designing stage scenery. All the sets used in Glendale Community College productions are designed by this class. Some ability in art, costuming, or theatre techniques is helpful. Lecture, 1 hour, laboratory 3 hours. Prerequisite: Theatre Arts 131 (3 units) or equivalent. Transfer credit: CSU, UC, USC

122 STAGE SCENIC DESIGN
2 Units
Theatre Arts 122 is a continuation of Theatre Arts 121 with more emphasis on originality of design. Lecture 1 hour, laboratory 3 hours. Prerequisite: Theatre Arts 121. Transfer credit: CSU, UC, USC

123 STAGE COSTUME DESIGN WORKSHOP
1-3 Units
Theatre Arts 123 is a course in the designing and construction of group costumes for stage, ensembles, etc. This course includes the planning for and the buying of suitable materials, design and color schemes, the design and construction of costumes and accessories, arrangement and maintenance of the costume wardrobe. Students in this course design and make costumes for school dramatic programs. Lecture 2 hours, laboratory 3 hours. Recommended preparation: Fashion 103. Note: This course may be taken 4 times; a maximum of 8 units may be earned. A proportionate amount of work is required according to the number of units elected by the students (2 to be arranged hrs. per unit). Transfer credit: CSU, UC, USC

129 BACKSTAGE LAB FOR PERFORMERS
1 Unit
Theatre Arts 129 is a course designed to introduce performance students to the backstage aspects of technical theatre. Students work on projects that directly support the dance, music or theatre production in which they are concurrently enrolled. Through the analysis and implementation of production designs for scenery, lights and sound, they gain a greater understanding of the relationship between performance and the backstage support. Laboratory 3 hours. Corequisite: Enrollment in one of the following: Dance 134, 135; Music 143, 146, 147, 170, 231, 234, 235, 236, 237; Theatre Arts 105. Recommended preparation: Theatre Arts 130 or 131. Note: This course may be taken 4 times; a maximum of 4 units may be earned.

130 PERFORMING ARTS TECHNICAL SUPPORT
1-3 Units
Theatre Arts 130 teaches the technical support aspects for the performing arts, including: dance, music, and theatre arts. Through lecture and laboratory experiences the students are prepared to stage manage, run sound, run lights, manage props, execute scenery changes using the fly system, and manage costumes for productions. Lecture 1 hour, laboratory/studio 3-9 hours. Prerequisite: None. Note: This course may be taken 4 times; a maximum of 12 units may be earned. Transfer credit: CSU, UC, USC

131 TECHNICAL STAGE
1-3 Units
Theatre Arts 131 is a laboratory class in the construction, painting, and handling of scenery and scenic effects and in the operation of the stage. All technicians for staging the various Glendale Community College productions will be drawn from this class. It is required that class members have three free days to devote to rehearsals and performances. Theatre Arts majors should have at least one semester of technical stage. See also Theatre Arts 105. The laboratory consists of 10-15 hours per week by arrangement. Prerequisite: None. Note: This course may be taken 4 times; a maximum of 9 units may be earned. A proportionate amount of work is required according to the number of units elected by the student and signed for at the time of registration. Transfer credit: CSU, UC, USC

134 PRACTICAL AND THEORETICAL ASPECTS OF STAGE LIGHTING
2 Units
Theatre Arts 134 is for the advanced student in technical theatre. It is a course designed to develop the skills and techniques which are necessary for the student's participation and appreciation of the art of stage lighting. It is hoped that the student will develop, as a result of familiarity with stage lighting practice, a sense of balance and rhythm with regard to color, light and shadow, and mass. Laboratory 6 hours. Prerequisite: Theatre Arts 131 (6 units) or equivalent. Note: This course may be taken 3 times; a maximum of 6 units may be earned. Transfer credit: CSU, UC, USC

140 INTRODUCTION TO PERFORMANCE FOR THE CAMERA
3 Units
Theatre Arts 140 is a comprehensive introduction to performing in the media of television and film. The course explores the styles and the mastery of technical specifics demanded by each medium. The approach is to teach on-camera techniques simply and correctly, while providing a broad understanding of why and how things are done in media production. Practical aspects of facilitating a performance career are covered: getting an agent, joining the unions, and acquiring the necessary tools of the trade, such as pictures and resumes. Lecture 3 hours, laboratory 2 hours. Prerequisite: None. Note: This course may be taken 2 times; a maximum of 6 units may be earned.

151 THEATRE MANAGEMENT
(Also listed as Business Administration 151)
3 Units
Theatre Arts 151 is designed to provide an introduction to economic and managerial aspects of American theatre, especially as they apply to professional resident theatre and nonprofessional community and educational theatre organizations. It is assumed that students have a background in theatre history and production but that they are comparatively untutored in economics and business administration. Lecture 3 hours. Recommended corequisite: Concurrent enrollment in Theatre Arts 131. Note: This course may not be taken for credit by students who have completed Business Administration 151. Transfer credit: CSU
WELDING

117 INTRODUCTION TO WELDING
1-3 Units
Welding 117 consists of oxyacetylene welding, flame cutting, (manual and automatic), bronze and silver brazing and soldering. These processes are discussed and demonstrated. The student is given experience in applying the principles by individual practice on a sequence of selected plates and manipulative exercises on various metals. Lecture 1-2 hours, laboratory 3-4 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may be taken 4 times; a maximum of 12 units may be earned. Transfer credit: CSU

118 GENERAL WELDING
2-3 Units
Welding 118 consists of theory and techniques in basic Shielded Metal Arc Welding and Flux Cored Arc Welding. The student is given experience in applying the principles by individual practice on a sequence of selected plates and manipulative exercises on mild steel. Lecture 1-2 hours, laboratory 3-4 hours. Prerequisite: Welding 117. Note: This course may be taken 4 times; a maximum of 12 units may be earned.

121 OCCUPATIONAL WELDING
5 Units
Welding 121 is the first in a series of occupational welding courses designed to prepare the student for employment in the welding industry. It covers the first part of the welding processes, rules, welding, welding safety, basic metallurgy, and the fundamentals of metal arc and oxyacetylene welding. Lecture 3 hours, laboratory 6 hours. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may be taken 3 times; a maximum of 15 units may be earned.

122 OCCUPATIONAL WELDING
5 Units
Welding 122 is second in a series of occupational welding courses designed to prepare the student for employment in the welding industry. It covers fundamentals of blueprint reading, interpreting shop drawings and sketches, advanced metallic arc and oxyacetylene welding, and provides an introduction to tungsten inert gas and metal inert gas arc welding. Lecture 3 hours, laboratory 6 hours. Prerequisite: Welding 121 or equivalent. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may be taken 3 times; a maximum of 15 units may be earned.

123 OCCUPATIONAL WELDING
5 Units
Welding 123 is third in a series of occupational welding courses designed to prepare the student for employment in the welding industry. It covers basic preparation for welding certification. Advanced and tungsten inert gas, metal inert gas, and oxyacetylene welding, including specific welding exercises needed to prepare the student for the manipulative phase of the certification examination. Lecture 3 hours, laboratory 6 hours. Prerequisite: Welding 122 or equivalent. Recommended preparation: Eligibility for English 120 or ESL 151. Note: This course may be taken 3 times; a maximum of 15 units may be earned.

124 OCCUPATIONAL WELDING
5 Units
Welding 124 is fourth in a series of occupational welding courses designed to prepare the student for employment in the welding industry. It covers the preparation for a welding certification in metallic arc, tungsten inert gas, and metal inert gas arc welding. Lecture 3 hours, laboratory 9 hours. Prerequisite: Eligibility for English 120 or ESL 151 and Welding 123 or equivalent. Note: This course may be taken 3 times; a maximum of 16 units may be earned.

125 ADVANCED WELDING PROCEDURES
1-4 Units
Welding 125 is advanced welding procedures and practices for experienced students or industrial workers who wish to improve and update their manipulative skills or prepare for a specific certification in metal arc, tungsten inert gas, or metal inert gas welding. Laboratory 3-12 hours by arrangement. Prerequisite: Welding 117 or 121 or equivalent. Note: Hours to vary according to student needs; 48 hours laboratory equals 1 unit. This course may be taken 4 times; a maximum of 16 units may be earned.

126 OCCUPATIONAL WELDING CERTIFICATION WORKSHOP
1-3 Units
Welding 126 is designed for the student or industrial worker with a welding background to gain practical experience in specific skill areas of concentration, resulting in state welding certification. Laboratory 3-9 hours. Prerequisite: Welding 117 or 118 or 125 or related occupational experience. Note: This course may be taken 3 times; a maximum of 9 units may be earned.
GCC's Jazz Band, a recent addition to the Music Department, performs several concerts a year.
FACULTY
FALL, 1998

*ABRAMS, LARRY C.*
Instructor of Ethnic Studies
B.A., University of Texas
M.A., University of California, Los Angeles

ADAMS, ALICE
Professor of English
A.B., Cornell University
M.A., Chapman College

AGHEKIAN, ROSETTE M.
Counselor, EOPS
Associate Professor
A.A., American River Community College
B.A., M.S., California State University, Sacramento

AGOSTON, JOZSEF
Head Soccer Coach
Associate Professor of Theatre Arts
A.A., Glendale Community College
B.A., California State University, Northridge
M.F.A., University of Southern California

*AGUON, FRANCES SABLAN*
Instructor of Business
B.A., M.A., University of Guam
M.A., Arizona State University
Ed.D., Western Michigan University

*ALBARIAN, GABRIEL*
Instructor of Real Estate Finance
M.B.A., California Polytechnic State University, San Luis Obispo

ALEXANDRE, GORDON
Assistant Professor of Social Science
B.A., A.B.D., University of California, Los Angeles
M.A., California State University, Los Angeles

ALLEN, MICHAEL SMITH
Associate Professor of Mathematics
M.A., B.S., California State University, Los Angeles
M.A., University of California, Los Angeles

*ALTMAN, JUDY*
Instructor of Speech
B.A., University of California, Los Angeles
M.A., Florida International University

ALVES, PAULA
Instructor of Business
B.V.Ed., California State University, Los Angeles

ANDERSEN, CHERYL L.
Associate Professor of English as a Second Language
B.A., University of California, Santa Barbara
M.A., University of California, Los Angeles

ANDERSEN-WAHLBERG, TINA
Instructor of Adapted Computer Technology
B.A., Cornell College
M.A. University of Southern California

*ANDREASYAN, GRAYR*
Instructor of Mathematics
B.S., Yerevan State University
M.S., Ph.D., Moscow State University

APABLAZA, JUDITH PETERS
Coordinator/Counselor Career Center
Associate Professor
B.S., M.S., California State University, Los Angeles

*ARENSMEYER, JOHN W., JR.*
Instructor of German
B.A., M.A., California State University, Long Beach

*ARENSON, LAUREN JOY*
Instructor of Anthropology
Ph.D., University of Southern California

*Arias, veda*
Instructor of History
B.A., San Franciso State University
M.A., California State University, Los Angeles

*ARUTIAN, CAROL L.*
Assistant Professor of Art
B.A., California State University, Northridge
M.F.A., Rhode Island School of Design

ASSADI, BARBARA DIANE
Division Chair, English as a Second Language, Non-Credit
Associate Professor of English as a Second Language, Non-Credit
B.A., M.A., University of Missouri

*ATKINS, MARY JANE*
Instructor of English
B.A., California State University, Los Angeles
M.A., Claremont Graduate School

AYLMER, ANNABELLE
Instructor of Art
M.F.A., Claremont Graduate School

*BAGDASARIAN, SHOGER*
Instructor of Mathematics
B.S., University of Tehran
M.S., University of Pierre and Marie Curie

*BAGHDASSARIAN, NARBEH*
Instructor of Biology
M.D., Tehran University Medical School

BALCER, THEODOLINDE
Professor of Allied Health
R.N.-S.C.M., Charing Cross Hospitals
B.S.N., California State University, Long Beach
B.S., Loma Linda University
M.A., Central Michigan University

Baldwin, Mary Kathryn
Instructor of English as a Second Language
B.A., M.A., California State University, Northridge

*BALIAN, MURIEL*
Assistant Professor of Music
B.A., University of California, Berkeley
M.M., University of Southern California

*BARBER, DEBRA*
Instructor of Legal Procedures

*BARNES, LINDA*
Instructor of Business Law
B.A., Loyola Marymount University
J.D., University of the Pacific, McGeorge School of Law

*BARRETT, DENNIS*
Instructor of Physical Education
A.A., DeAnza Community College
B.A., University of California, Santa Barbara

* Adjunct Faculty
BARRIO-SOTILLO, RAMONA
Coordinator/Counselor, Transfer Center
Associate Professor
B.A., M.A., California State University, Northridge

*BARRY, SANDRA R.
Instructor of Business Office Technology
A.S., Glendale Community College

*BARTLETT, THEODORE D.
Instructor of Real Estate

*BATTAGLIA, ANTONIO
Instructor of Culinary Arts
A.A., Los Angeles City College
B.V.E., California State University, Los Angeles

BAUGH, W. JAMES
Associate Dean, Special Projects
A.A., Glendale Community College
B.A., San Jose State College
M.A., California State University, Los Angeles

BAUMANN, MELITA
Lead Instructor Child Development Credit Program
Professor of Child Development
B.S., Fairleigh Dickinson University
M.A., Pacific Oaks College

BEAUCHEMIN, BRIAN
Head Basketball Coach
Instructor of Physical Education
B.A., University of San Francisco
M.A., California Lutheran College

*BECKETT, A. MARA
Assistant Professor of English as a Second Language
B.A., Humboldt State University
M.A., University of Southern California

BEEMAN, JOSEPH
Assistant Professor of Biology
B.S., University of California, Irvine
M.S., California State University, Los Angeles

*BENNITT, JOHN ROBERT
Instructor of Fire Science

*BENONE, JIREL C.
Instructor of Theatre Arts
B.A., University of Bristol, Old Vic Repertory School

*BERKENBILE, FRENY
Assistant Professor of Computer Science/Information Systems
B.S., University of Bombay
M.S., Ph.D., University of Oklahoma

*BERMAN, JAY
Instructor of Mass Communications
B.A., M.A., University of Southern California

*BIDWELL, JULIA
Instructor of Political Science
B.A., University of California, Santa Barbara
M.P.P., Georgetown University

*BIVINS-PESQUEIRA, LARRY JAY
Assistant Professor of English
B.A., B.A., M.A., University of Southern California

*BLACK, DONALD G.
Assistant Professor of Business
B.A., California State University, Los Angeles

BLACK, SALLY
Instructor of Allied Health
B.S.N., Azusa Pacific
M.N., University of California, Los Angeles

* BOWERMAN, ROGER
Instructor of History
B.A., M.A., University of California, Los Angeles

*BOYD-DAVIS, SANDRA
Instructor of Sociology
B.S., B.A., Pennsylvania State University
M.A., Ph.D., University of Southern California

*BOYLAN, KATHLEEN
Instructor of English
M.A., California State University, Northridge

*BRAY, SUZANNAH
Associate Professor of Reading
B.S., St. John’s University
Ed.M., Boston University

BRINKMEYER, SUSAN L.
Professor of English
A.B., M.A., Occidental College

*BRODE, ROBERT
Instructor of Administration of Justice
A.A., Los Angeles Valley College

BROUKAL, MILADA
Associate Professor of English as a Second Language
B.A., University of Paris
M.A., University of California, Los Angeles

*BROWN, LORRAINE A.
Instructor of English
B.A., M.A., Eastern Michigan University

*BROWN, MILTON L.
Instructor of Mathematics
B.S., University of Washington
M.A., University of Southern California

BRUNO, KRISTIN J.
Dean, Information and Technology Services
B.A., California State University, Long Beach
M.S., M.S., Ph.D., Kansas State University

BURKE-KELLY, KATHLEEN
Division Chair, Visual and Performing Arts
Associate Professor of Art
B.A., B.A., University of California, Irvine
M.A., California State University, Northridge
Ed.D., Pepperdine University

*BURKHART, RAYMOND
Instructor of Music
B.A., Occidental College
M.M., University of Southern California

*BUSAHAI, MOHAMMAD Y.
Assistant Professor of Business
B.S., B.S., University of Arizona
M.S., Woodbury University

*BUSH-ZURN, TERESA
Instructor of Culinary Arts
B.S., M.A., California State University, Northridge

BYRD, LARRY R.
Professor of Chemistry
B.S., St. Mary’s College of California
Ph.D., University of California, Irvine

*CADY, BETTY RUTH
Instructor of English as a Second Language
M.S., University of LaVerne

* Adjunct Faculty
CALER, THERESE M.
Instructor of English
A.A., Los Angeles City College
B.A., California State University, Northridge
M.A., Point Loma Nazarene College

CAMPANA, DANIEL
Assistant Professor of Philosophy
M.A., Fuller Theological Seminary
Ph.D., Claremont Graduate School

CAMPBELL, ELLEN
Instructor of English as a Second Language
B.A., University of Pennsylvania
M.A., San Francisco State University

CAMPBELL, EVELYN
Assistant Professor of American Sign Language
A.A., Los Angeles Pierce College

CAPUTO, LINDA
Instructor of English as a Second Language
B.A., State University of New York College, Geneseo
M.A., Fuller Theological Seminary
M.A., California State University, Los Angeles

CARILLO, CARMEN
Instructor of English
A.A., Los Angeles Valley College
B.A., Loyola Marymount University
M.A., University of Iowa

CARLSON-SMITH, CAROL
Instructor of English
A.A., Glendale Community College
B.A., M.A., California State University, Northridge

CARUSO, MARGARET M.
College Nurse
Associate Professor
R.N., Glendale Adventist Hospital
B.S., California State University, Northridge
M.P.H., Loma Linda University

CASANAVE, ERNESTO
Assistant Professor of Spanish
B.A., Mount St. Mary's College
M.A., California State University, Los Angeles

CEROVIC, KATARINA
Instructor of Mathematics
M.S., University of Belgrade

CHAVEZ, ROBERT M.
Instructor of Business
A.A., Glendale Community College
B.S., California State University, Northridge

CHING, LONNLY
Assistant Professor of Computer Science/Information Systems
A.A., Glendale Community College
B.S., University of California, Los Angeles
M.S., West Coast University

CHO, INSOOK
Instructor of Korean
B.S., Ewha Womans University

CHO, RICHARD
Instructor of Mathematics
B.A., M.A., University of California, Los Angeles

CHRIST, DAVID
Professor of Aviation and Transportation
B.A., Occidental College
M.A., Union Theological Seminary, New York
FAA Ratings: Commercial Multi-engine Instrument Pilot,
Flight and Ground Instructor, Maintenance Inspection Authorization
Airframe Powerplant Technician

CHU, POLLY
Instructor of English as a Second Language
B.A., University of California, Irvine
M.F.A., Claremont Graduate University

CHUNG, HAENG-JA
Instructor of Japanese
B.A., M.A., Osaka University of Foreign Studies

CICUTO, JOHN M.
Head Football Coach
Associate Professor of Physical Education
B.A., California State University, Fresno
M.A.E., California Lutheran College

CLARKE, ORVILLE
Instructor of Art History
B.A., University of California, Los Angeles
M.A., California State University, Fullerton

COBLENTZ, TERRY
Women's Athletic Director
Women's Tennis Coach
Professor of Physical Education
A.A., Pierce College
B.A., M.A., California State University, Los Angeles

COLLING, MICHAEL
Librarian
B.A., Sonoma State University
M.A., California State University, Northridge
M.L.S., University of California, Los Angeles

COMBS, SHARON
Counselor, Admissions and Records
B.A., M.A., California State University, Los Angeles

COOK, JOY V.
Associate Dean, Disabled Student Programs and Services
B.A., M.A., California State University, Northridge

COOTS, STEVEN
Head Baseball Coach
Instructor of Physical Education
B.S., University of California, Riverside
M.A., University of LaVerne

CORBETT, THERESA M.
Instructor of English as a Second Language
B.A., M.A., University of California, Los Angeles
M.S., Mount St. Mary's College

CORNISH, MICHAEL
Instructor of Biology
M.A., M.S., California State University, Northridge
Ph.D., University of California, Los Angeles

CORTEY, TERESA
Professor of French
B.A., M.A., Ph.D., University of California, Berkeley

COX, PATTI
Instructor of Physical Education/Dance
B.A., Southern Colorado State University
M.A., San Jose State University

* Adjunct Faculty
CRAVEN, JOHN B.
Professor Emeritus of English
B.A., La Sierra College
M.A., University of Southern California

CRAWFORD, HELEN
Instructor of Business Calculators
A.S., Glendale Community College
B.S., M.B.A. University of LaVerne

CRIBBS, MARGARET A.
Librarian
B.A., University of California, Santa Barbara
M.S., Simmons College

CROOK, MARY-ERIN
Instructor of English as a Second Language
B.A., University of Massachusetts, Amherst
M.A., California State University, Los Angeles

CROSBY, BRIAN
Instructor of Computer Science/Information Systems
B.A., M.A., California State University, Northridge

CUDNEY, LARRY L.
Instructor of Mathematics
A.A., Santa Monica City College
B.A., M.A., University of California, Los Angeles

CUNNINGHAM, JEANNE E.
Professor of Psychology
A.A., Glendale Community College
B.A., California State University, Los Angeles
M.S.W., University of Southern California

CUTLER, BOB
Assistant Professor of Business
B.S., Brooklyn College
M.P.A., University of Southern California

DAAR, KAREN
Instructor of Anthropology
B.A., California State University, Northridge
M.A., University of New Mexico

DALY, MICHAEL J.
Professor of English
B.A., California State University, Northridge
M.A., Ph.D., University of Southern California

DANCOFF, JUDITH
Instructor of English as a Second Language
M.A., Columbia University
M.F.A., Warren Wilson College

DANIELS, CINDY
Instructor
Learning Disability Specialist
B.A., University of California, San Diego
M.A., California State University, Northridge

DANIELS, LYNDA
Assistant Professor of Physical Education
B.S., California State Polytechnic University, Pomona
M.A., California State University, Los Angeles

DANIELS, SUSAN
Instructor of English as a Second Language
M.A., University of California, Irvine

DANIELSON, ERIC D.
Instructor of Computer Science/Information Systems
B.S., Harvey Mudd College

D'ASERO, MARCELO A.
Instructor of Philosophy
B.A., Pitzer College
M.A., J.D., University of Southern California

DAVENPORT, DAVID A.
Professor of Chemistry
A.A., Glendale Community College
B.S., University of California, Berkeley
M.S., California State University, Northridge

DAVIDSON, GRETCHEN
Instructor of English
B.A., M.A., University of California, Riverside

DAVIS, TEREZA AGUILAR
Counselor, EOPS
A.A., Glendale Community College
B.A., California State University, Northridge
M.S., University of LaVerne

DAVIS, TROY
Counselor
B.A., M.S., California State University, Long Beach

DAVITT, JOHN A.
Superintendent/President
B.S., M.A., University of San Francisco
Ed.D., University of Southern California

DAVITt, MICHAEL
Instructor of Real Estate
B.A., Loyola Marymount University
M.P.A., California State University, Northridge

DEFRAIN, PATRICIA L.
Professor of Business
B.S., Ohio State University
M.A., University of Washington

DeGRASSI, LEONARD R.
Professor Emeritus of Art
A.B., B.F.A., M.A., University of Southern California
Corso Perfezionamento Storia d'Arte, Universita Di Roma

DeLANGE, GLENN
Associate Professor of Music
B.A., M.A., California State University, Los Angeles

DENTLER, DEBORAH
Instructor of History
B.A., M.S., Boston University
J.D., University of California, Los Angeles

DePOMPA, RONALD L.
Assistant Professor of Administration of Justice
A.S., Glendale Community College
B.S., University of San Francisco
M.P.A., University of Southern California

De SANTIS, SUSAN
Instructor of English as a Second Language
B.A., University of Maryland, College Park
M.S., Georgetown University

DE VINCENTIS, LANI EDIE
Dean, Non-Credit Education
B.S., California State Polytechnic University, Pomona
M.A., United States International University

DEWART, GILBERT
Instructor of Oceanography
Ph.D., Ohio State University

DIAZ-LOPEZ, FELIX
Assistant Professor of Economics
B.S., Kent State University
M.S., University of Wisconsin
Ph.D., University of Southern California

* Adjunct Faculty
DILUCCHIO, JANE E.
Coordinator, Developmental Skills Laboratory
Instructor of English, Non-credit
B.A., Occidental College
M.A., California State University, Los Angeles

**DISTASO, MARK**
Instructor of Administration of Justice
B.S., California State University, Los Angeles

DOMÍNGUEZ, ROXANNE
Counselor, Associate Professor
B.A., University of California, Los Angeles
M.A., California State University, Dominguez Hills

DONAGHY, ROBERT
Instructor of Physical Education
Men's Tennis Coach
B.A., M.S., California State University, Los Angeles

**DONELLY, LYNN**
Instructor of English as a Second Language
B.A., California State University, Fullerton
M.A., California State Polytechnic University, Pomona

**DOOLEY, PATRICIA**
Instructor of English as a Second Language
B.A., University of New Orleans
M.A., Pepperdine University
M.A., California State University, Los Angeles

**DOUGLAS, EDWARD A.**
Instructor of Speech
A.A., Lake City Community College
B.A., University of West Florida
M.F.A., California Institute of the Arts

DOYLE, DENNIS M.
Associate Professor of Reading Education
B.A., St. John's College
M.A., California State University, Los Angeles

DOZOIS, PAUL C.
Professor of Engineering
A.A., Glendale Community College
B.A., California State University, Los Angeles
M.A., California State University, San Jose

**DUNGAN, SALLY**
Assistant Professor of Political Science
B.A., Scripps College
M.A., University of California, Los Angeles

**DURET, KATHY**
Instructor of Geography
B.A., M.A., California State University, Northridge

**DUTTON, PAULINE**
Librarian
B.A., California State University, Fullerton
M.S., University of Southern California

**DWIGGINS, GLENN**
Instructor of English
B.A., California State University, Northridge
M.F.A., University of Alabama

EBERTS, MICHAEL
Associate Professor of Mass Communications
A.A., Los Angeles Valley College
B.A., M.A., California State University, Los Angeles
Ph.D., University of Southern California

**ECKLER, PHYLLIS**
Instructor of Dance
B.F.A., York University
M.F.A., California Institute of the Arts

EDelman, Bart
Professor of English
B.A., M.A., Hofstra University

EDGAR, R. DANIEL
Associate Professor of Chemistry
A.A., Glendale Community College
B.A., University of California, Santa Barbara
M.S., San Diego State University

**EDWARDS, BARBARA**
Instructor of Child Development
M.A., Pacific Oaks College

**ELIZONDO, SANDRA E.**
Instructor of Business Office Technology
B.S., California State University, Los Angeles
J.D., Loyola Law School

**ELIZONDO, SUSAN A.**
Instructor of English
B.A., University of California, Santa Cruz
M.F.A., University of Arizona

ERSELIUS, ROBERT
Director, Student Computer Center
Associate Professor of Accounting
B.S., University of California, Los Angeles
M.B.A., University of Southern California

**FARRAND, JAY V.**
Instructor of Administration of Justice
B.S., California State University, Los Angeles
M.P.A., University of Southern California

**FARRINGTON, JOAN KEELER**
Assistant Professor of Psychology
B.A., California State University, Los Angeles
M.A., Azusa Pacific College

**FEIN, SUSAN S.**
Instructor of English as a Second Language
B.A., University of California, Los Angeles
M.A., California State University, Northridge

**FELDMAN, ANDREW**
Instructor of English as a Second Language
B.A., Colgate University

**FELDMAN, JEROME**
Instructor of English as a Second Language
B.S., University of Illinois, Urbana-Champaign
M.A., University of Southern California

**FELL, MARY ANN**
Instructor of Biology
B.S., Pace University

FERDMAN, IDA
Instructor of English
B.A., M.A., California State University, Northridge

**FERNANDEZ, CRYSTAL JEAN**
Instructor of Allied Health
B.S., M.S., California State University, Northridge

**FERRICK, GEORGE**
Instructor of Psychology
B.A., St. John's College
M.A., Gregorian University
M.A., Azusa Pacific University

FIELD, MONA
Professor of Political Science
B.A., Immaculate Heart College
M.A., California State University, Los Angeles

* Adjunct Faculty
FIGUEROA, BENJAMÍN
Counselor
A.A., Cerritos College
B.A., California State University, Fullerton
M.S., San Francisco State University

FITCH, ROBERT
Instructor of Alcohol/Drug Studies
A.A., Glendale Community College
B.A., M.A., California State University, Los Angeles

FLYNN, KATHLEEN F.
Division Chair, English as a Second Language, Credit
Professor of English as a Second Language
B.A., Queens College, City University of New York
M.A., The Graduate School and University Center,
City University of New York
M.A., Ph.D., University of Southern California

FORDYCE, JAMES FORREST
Assistant Professor of English as a Second Language, Non-Credit
B.A., M.A., University of Florida
C.Phil., Ph.D., University of California, Los Angeles

FRAZIER, ALAN
Instructor of Administration of Justice
B.S., Middle Tennessee State University
M.P.A., University of Southern California

FREEMYER, JANICE
Instructor of Music
B.M.E., Southeast Missouri State University
M.A., Central Missouri State University

FREMGEN, ELIZABETH
Associate Professor of Business Education, Non-Credit
B.S., M.B.A., National University

FRIDMAN, LISA
Instructor of Chemistry
B.S., Florida Atlantic University
M.S., Purdue University

FUTTNER, JOSEPH
Instructor of Art
B.A., University of Hartford
M.A., Hunter College
M.Phil., City University of New York Graduate Center

GAGO, JAVIER
Instructor of Marine Biology
A.A., Saddleback College
B.S., California State University, Long Beach
M.S., Ph.D., University of Southern California

GALOSSIAN, ROOBIK
Instructor of Mathematics
B.S., California State University, Northridge
M.A., University of California, Berkeley

GAUTHIER, DONALD
Instructor of Geography
A.A., Santa Monica College
B.A., M.A., University of California, Los Angeles

GEE, YOUNG
Associate Professor of English as a Second Language
B.A., San Francisco State University
M.A., University of California, Los Angeles

GELLERT, ROBERT
Instructor of Chemistry
Ph.D., University of Southern California

GEORGIAS, ANDREW J.
Professor of Art
B.F.A., Bradley University
M.F.A., University of Southern California

GERZ, JOHN
Instructor of Physics
B.S., California State University, Los Angeles
M.S., California State University, Northridge

GHAZARIAN, SARKIS
Counselor
B.A., University of California, Los Angeles
M.S., University of Southern California

GILLOOLY, JESSICA
Associate Professor of Psychology
B.S., University of Missouri
M.A., California State University, Los Angeles
Ph.D., United States International University

GIRARD, KINDRA A.
Professor of Biology
B.S., M.A., University of California, Davis

GLANZER, ALLYN
Professor of Speech
A.A., Orange Coast College
B.A., M.A., California State University, Long Beach

GLIENNA, RAYMOND
Professor of Chemistry
B.S., University of Southern California
M.S., Ph.D., University of California, Berkeley

GLOVER, DAVID G.
Instructor of Computer Science/Information Systems
B.F.A., Art Center College of Design
M.A., M.F.A., California State University, Los Angeles

GOLD, JON
Fitness Center Coordinator
Instructor of Physical Education
B.A., University of California, Los Angeles
M.A., Azusa Pacific University

GOLSHAN, FRED
Instructor of Computer Science/Information Systems
B.S., Italian Naval Academy
M.S., Naval Postgraduate School

GOMEZ, JOSE J.
Instructor of Health
B.S., California State University, Fullerton
M.A., Azusa Pacific University

GORDON, ELIZABETH
Instructor of English as a Second Language
B.A., University of Southern Florida
M.A., University of California, Los Angeles

GRADY, PAUL
Instructor of English as a Second Language
B.A., University of Massachusetts, Boston
M.A., University of Hawaii, Manoa

GRAY, KENNETH R.
Professor of Theatre Arts
A.A., College of the Sequoias
B.A., M.A., San Diego State University

GREENE, MARY JANE
Assistant Professor of Accounting
B.A., New York University

* Adjunct Faculty
*GRENOT, TERESA LUPE  
Librarian  
M.L.S., University of California, Los Angeles

GRIFFITH, LINDA  
Assistant Professor of English as a Second Language  
B.A., Reed College  
M.A., University of Wisconsin  
M.S., University of Southern California

*GRIST, JOHN  
Instructor of Architecture  
B.Arch., University of Southern California

GUGLIELMINO, RICHARD  
Assistant Professor of Physics  
B.S., M.A., University of Southern California

GUPTA, LINA  
Associate Professor of Philosophy  
B.A., Presidency College  
M.A., University of Calcutta  
Ph.D., Claremont Graduate School

*HAFT, BRUCE  
Instructor of Computer Science/Information Systems  
A.A., Glendale Community College  
B.S., California State University, Los Angeles  
M.S.N., University of California, Los Angeles  
Ed.D., Brigham Young University

HALL, SHARON M.  
Associate Dean, Allied Health  
Division Chair, Allied Health  
B.S.N., California State University, Los Angeles  
M.N., University of California, Los Angeles  
Ed.D., Brigham Young University

HANDLEY, JUDITH B.  
Associate Professor of Chemistry  
B.S., California State University, Los Angeles  
Ph.D., University of Southern California

HANLEY, TIMOTHY G.  
Professor of English  
B.A., M.A., California State University, Los Angeles

HARLAN, JEAN  
Associate Professor of Business  
B.A., Morehead State University  
M.F.A., California State University, Sacramento

HARLAN, RONALD K.  
Division Chair, Biology  
Professor of Biology  
A.A., Chabot College  
B.S., California State University, Hayward  
M.A., University of California, Santa Barbara  
Ph.D., University of California, Los Angeles

HARNEITT, MICHAEL C.  
Instructor of English  
A.B., University of Southern California  
M.A., Claremont Graduate School

HARRIS, AUDREY  
Counselor, Nursing  
A.A., Glendale Community College  
B.S., M.S., California State University, Los Angeles

*HART, JEANNE  
Assistant Professor of French  
Ph.D., University of Southern California

*HARUTUNIAN, VAHAK  
Instructor of Chemistry  
B.Sc., Brunel University  
M.Sc., Loughboro University  
Ph.D., University of Southern California

*HASKINS, ROBERT D.  
Instructor of Computer Science/Information Systems  
B.S., B.A., University of Hawaii  
M.S., University of Chicago

*HASSETT, DAVID  
Instructor of Mathematics  
A.A., Fullerton College  
B.A., California State University, Fullerton  
M.S., California State University, Northridge

HAWKINS, DRAKE C.  
Division Chair, Social Sciences  
Professor of Political Science  
B.S., U.S. Naval Academy  
M.A., University of California, Los Angeles

HAWKINS, ROBERT N.  
Professor of Geography  
B.A., California State University, Los Angeles  
M.A., University of California, Los Angeles

*HAYNE, RICHARD  
Assistant Professor of Emergency Medical Technology  
B.A., Whittier College  
Mobile Intensive Care Paramedic, Los Angeles County-University of Southern California Medical Center  
R.N., Los Angeles County-University of Southern California Medical Center  
Ph.D., University of California, Los Angeles

HAYNES, CHERYL  
Associate Professor of Business  
B.S., University of Bridgeport  
M.S., State University of New York, Albany

*HAYRAPETIAN, AKOB  
Instructor of Armenian  
B.A., University of Isfahan  
M.A., University of Tehran

*HELFING, SHELDON  
Instructor of Psychology  
B.A., M.A., California State University, Northridge  
M.S.W., University of Washington

*HICKS, DONALD R.  
Assistant Professor of Biology  
B.S., Auburn University  
M.S.T., Florida Atlantic University  
Ph.D., Florida Institute of Technology

*HILL, STEVEN  
Instructor of Music  
A.A., Glendale Community College  
B.A., California State University, Fullerton  
M.A., California State University, Northridge

*HILLQUIST, REBECCA  
Instructor of Computer Science/Information Systems  
B.F.A., Brigham Young University  
M.F.A., Art Center College of Design

*HOGUE, THOMAS  
Instructor of Anthropology  
B.A., University of California, Irvine  
M.A., University of California, Los Angeles

HOLDEN-FERKICH, KAREN B.  
Associate Dean, JTPA/GAIN  
B.S., Indiana University of Pennsylvania  
M.A., California Lutheran University  
Ed.D., Pepperdine University

*HOLLAND-DICHTER, KATHERINE  
Instructor of Health  
B.S., M.A., San Diego State University

* Adjunct Faculty
HOLMES, MARY KATHLEEN  
Professor of Mathematics  
B.A., M.A., University of California, Los Angeles

HOLMES, ROBERT C.  
Assistant Professor of Business  
B.A., Carleton College  
M.B.A., University of Michigan

HOOVER, PHYLLIS  
Professor of English  
B.A., Pacific Lutheran University  
M.A., University of New Mexico

HORTON, ERNEST H., JR.  
Professor Emeritus of Philosophy  
A.B., Los Angeles Pacific College  
M.Div., Asbury Theological Seminary  
Ph.D., University of Southern California

HOWE, SUSAN  
Assistant Professor of Mathematics  
B.A., M.A.T., Occidental College

HUBER, WALTER R.  
Professor of Real Estate  
A.A., Mount San Antonio College  
B.S., M.S., California State University, Los Angeles

HUESTIS, KAREN  
Counselor, Non-Credit  
B.A., University of Redlands  
M.S., University of La Verne  
Ph.D., University of Southern California

HURST, DAVID O.  
Professor of Chemistry  
B.S., Wheaton College  
M.S., University of Illinois

HUTTON, LAURA KATHERINE  
Visiting Professor of Geology  
B.S., Pennsylvania State University  
M.S., Ph.D. University of Maryland

HYDE, KYLE MITCHELL  
Instructor of Culinary Arts

IMPERT, WALTER W.  
Instructor of Art  
B.A., Duke University  
M.F.A., Denver University

INJEJKIAN-HENRY, SUSAN A.  
Associate Professor of English  
B.A., California State University, Northridge  
M.A., Columbia University

IRWIN, DIANNE E.  
Professor of Psychology  
A.A., San Bernardino Valley College  
B.A., California State University, San Bernardino  
M.A., California State University, Fullerton  
Ph.D., United States International University

ISAYAN, VIGEN  
Instructor of Mathematics  
Ph.D., Lomonosov State University

JAKL, SANDRA  
Assistant Professor of Physical Education  
B.A., California State University, Long Beach

JENSEN, JEFFRY  
Librarian  
B.A., La Verne College  
M.S.L.S., University of Southern California

JOHNSTON, ERIC  
Instructor of Anthropology  
A.A., Fresno City College  
B.A., University of California, Santa Barbara  
M.A., University of New Mexico

JONES, BRENDA L.  
Librarian  
Associate Professor  
B.S., University of Illinois, Urbana-Champaign  
M.L.S., University of California, Los Angeles

JONES, DAVID PAUL  
Assistant Professor of Mathematics  
A.S., Compton College  
B.S., M.S., California State University, Los Angeles

JUDGE, EMELYN  
Instructor of Allied Health  
B.S. Mt. St. Mary's College  
M.N., University of California, Los Angeles

KABA, CAROLINE  
Instructor of Economics  
M.A., American University of Beirut

KABATECK, GLADY  
Coordinator/Counselor Adult Re-entry Center  
Associate Professor  
B.A., California State University, Fresno  
B.A., M.S., California State University, Los Angeles

KAMARA-KAY, PHILIP S.  
Counselor  
Professor  
B.A., M.A.Ed., Azusa Pacific University  
Ed.D., University of Southern California

KAREL, JOYCE  
Instructor of English as a Second Language  
M.A., Wayne State University  
M.A., California State University, Northridge  
M.A., New York University

KASIMOFF, IVAN W.  
Instructor of English as a Second Language  
B.A., University of California, Berkeley  
M.A., California State University, Los Angeles

KASL-GODELY, JULIA  
Instructor of Psychology  
M.A., University of Southern California

KAZANJIAN, PHILLIP  
Instructor of Business Administration  
B.A., University of Southern California  
J.D., Lincoln University School of Law

KEEFE, JOSEPH M.  
Professor of Botany  
B.A., M.A., University of California, Santa Barbara

KELLEHER, JAMES  
Instructor of Political Science  
A.A., Moorpark College  
B.A., California State University, Northridge  
M.A., California State University, Los Angeles

KEISHEHIAN, OSHEEN  
Student Personnel Worker, EOPS  
Instructor of Armenian  
B.A., California State University, Los Angeles  
M.Ed., University of La Verne

KHAN, FEISAL UZAIR  
Instructor of Economics  
B.A., M.A., Stanford University

* Adjunct Faculty
KIBLER, ROBERT L.
Professor of Art
B.S., Southeast Missouri State University
M.A., San Diego State University

*KILEDJIAN, MINAS (STEVEN)
Instructor of Physics
B.S., M.S., Ph.D., University of California, Los Angeles

KILKEARY, DESMOND B.
Professor of English
B.A., California State University, Humboldt
M.A., California State University, Los Angeles

*KIM, JUNGEUN
Instructor of Music
B.M., San Francisco Conservatory of Music
M.M., D.M.A., University of Southern California

*KING VICTOR
Instructor of Sociology
B.A., M.A., University of Chicago
J.D., University of Michigan

*KLEIN, JERRY
Instructor of Anthropology
B.A., California State University, Northridge
M.A., California State University, Los Angeles

KLOEZEMAN, CHRISTINE
Associate Professor of Accounting
B.S., Brigham Young University
M.A., University of Redlands

KNIGHT, NANCY
Vice President, College Services
B.A., Brooklyn College
M.A., California State University, Los Angeles
Ph.D., University of California, Los Angeles

KNIGHTON, JAMES
Assistant Professor of Computer Science/Information Systems
B.G.S., Simon Fraser University

*KNUDSEN, MARY CHRISTINE
Assistant Professor of English
B.A., Russell College
M.A., California State University, Los Angeles

*KNUTTI McGARRY, ANNA
Instructor of Spanish
M.A., University of California, Davis
M.A., California State University, Sacramento

*KOBLER, MARK A.
Instructor of English as a Second Language
B.A., M.A., University of Southern California

*KOLB, JAMES
Instructor of Dance

KOLPAS, SIDNEY
Associate Professor of Mathematics
B.A., M.S., California State University, Northridge
Ed.D., University of Southern California

*KOZUBEK, MICHAEL
Instructor of Music
B.M., DePaul University
M.M., University of Southern California

*KRANNIG, DORA
Instructor of Dance


KRAY, JOHN S.
Associate Professor of Welding Technology
A.S., Los Angeles Trade Technical College
B.A., California State University, Los Angeles
A.W.S. Certified Welding Inspector
A.W.S. Certified Welding Educator

*KREINER, LESLIE
Instructor of English
B.S., University of Florida
M.A., Florida State University

*KURBAN, NAHEED
Assistant Professor of English as a Second Language
B.A., M.A., American University of Beirut
Ph.D., Indiana University

*LAHWANI, NEAL
Instructor of Psychology
M.A., University of Southern California

*LANCE, JEFFREY M.
Assistant Professor of Psychology
M.S., University of La Verne
Ph.D., United States International University

LANG, VELORIS B.
Dean, Letters, Arts, and Sciences
B.A., M.A. Stanford University
Ed.D., University of California, Los Angeles

*LAPP, RONALD E.
Instructor of English as a Second Language
M.A., University of Hawaii

*LE, TIENG
Instructor of Mathematics
Ph.D., University of Southern California

LEAVER, DARREN
Instructor of Geography
B.A., M.A., California State University, Northridge

LECUIER, JEAN
Professor of Physics
B.S., University of Montreal
Ph.D., University of Chicago

*LEE, JEFFREY
Assistant Professor of Psychology
B.A., M.A., California State University, Los Angeles

*LEE, KEN
Librarian
B.A., University of California, Los Angeles
M.S.L.S., University of Southern California

*LEE, LISA SHIU ING
Instructor of Mathematics
B.S., California State University, Dominguez Hills
M.S., California State University, Northridge

LEE, SANDRA K.O.
Counselor
Professor
B.Ed., University of Hawaii
M.S, California State University, Los Angeles

*LERNER, LIA
Instructor of English as a Second Language
M.A., California State University, Northridge

LEVATTER, THEODORE
Associate Professor of Speech
B.A., University of California, Santa Barbara
M.A., California State University, Los Angeles

* Adjunct Faculty
*LEWIS GOLDBSTEIN, DIANE  
Assistant Professor of Clothing and Textiles  
B.A., University of California, Santa Cruz  
B.S., M.S., California State University, Northridge

*LOMEN, WILLIAM H.  
Assistant Professor of English as A Second Language  
B.A., M.A., California State University, Los Angeles

*LONG, GAIL  
Instructor of Political Science  
B.A., Whittier College  
M.A., Stanford University  
M.S., University of La Verne  
M.A., California State University, Los Angeles

*LONGO, JOSEPH P.  
Instructor of English  
B.S., University of Massachusetts  
M.A., Emerson College

*LOPEZ, EDUARDO  
Men's Cross Country Coach  
Assistant Track Coach  
Instructor of Health and Physical Education  
B.A., California State University, Los Angeles  
M.A., Azusa Pacific University

*LORENZ, DIANA  
Instructor of Child Development  
B.A., University of California, Davis  
M.A., University of Illinois

*LORENZO, MIRTA L.  
Instructor of Business Office Technology  
A.A., Glendale Community College  
B.S., California State University, Los Angeles

*LOTTE, JOY ELLEN  
Instructor of Business  
B.S., Western Michigan University  
M.Ed., University of Houston

*LUCE, DEBORAH  
Division Chair, Business  
Associate Professor of Computer Science/Information Systems  
B.A., M.S., University of Southern California

*LUI, THI DINH  
Counselor, EOPS  
Associate Professor  
B.A., Dalat University  
M.S.W., University of California, Los Angeles

*MACK, DAVID  
Articulation Officer  
A.A., Glendale Community College  
B.A., M.S., California State University, Los Angeles

*MAIER, MARK H.  
Professor of Economics  
A.B., Oberlin College  
Ph.D., New School For Social Research

*MALAKAR, SUBHASH R.  
Instructor of Mathematics  
M.S., California State University, Los Angeles  
M.S., University of Southern California

*MALKI, ABDU  
Instructor of Mathematics  
B.A., B.S., M.A., M.S., M.A., California State University, Los Angeles  
Ph.D., University of California, Los Angeles

*MANZANO-ARSENE, LINDA  
Director, Child Development Center  
Instructor of Child Development  
A.A., Glendale Community College  
B.A., California State University, Los Angeles  
B.A., M.A., Pacific Oaks College

*MARASHIAN, LEVON  
Professor of History  
B.A., University of Illinois  
M.A., C.Phil., Ph.D., University of California, Los Angeles

*MARSDEN, STEVEN P.  
Division Chair, Mathematics  
Professor of Mathematics  
B.A., M.A. T., University of California, Los Angeles

*MARSTON, PETER J.  
Instructor of Speech  
B.A. Occidental College  
Ph.D., University of Southern California

*MARTIN, DAWN D.  
Instructor of Dance  
M.A., University of California, Santa Barbara  
M.A.T., University of California, Los Angeles

*MAYO, PAUL  
Professor of Music  
B.Mus., University of Southern California

*MAZER, ALAN  
Instructor of Computer Science/Information Systems  
B.S., University of California, Irvine  
M.S., University of California, Los Angeles

*MCCARTHY, J. CHRISTOPHER  
Executive Vice President, Instructional Services  
B.A., Immaculate Heart College  
M.F.A., University of Oregon  
M.A., Ed.D., University of California, Los Angeles

*MCBRIE, IRENE  
Instructor of English  
B.A., University of California, Los Angeles  
M.A., California State University, Northridge

*MCDONALD, NORVEL  
Instructor of Business Administration  
B.S., B.A., Northeastern University  
M.B.A., University of Massachusetts

*MCGOWAN, JAMES  
Instructor of Geography  
B.S., M.A., California State University, Los Angeles

*MCHEON, MICHAEL  
Instructor of History  
B.S., University of Santa Clara  
M.A., Claremont Graduate School

*MCINTYRE, THOMAS  
Instructor of Health and Physical Education  
B.A., University of California, Los Angeles

*MCINTYRE, FRANK LYNN  
Associate Professor of Dance  
B.A., American University of Beirut

*MEDKIEFF, ROBERT  
Instructor of Administration of Justice  
B.A., University of Akron  
M.A., California State University, Dominguez Hills

* Adjunct Faculty
*MEDKEFF, ROBERT  
Instructor of Administration of Justice  
B.A., University of Akron  
M.A., California State University, Dominguez Hills

MERCÁDÉ, JOSÉ A.  
Division Chair, College Services  
Counselor  
Coordinator, Baja California Field Studies Program  
A.A., Pasadena City College  
B.A., M.S., California State University, Los Angeles  
Ed.D., Nova Southeastern University

MERRIMAN, HELEN  
Associate Professor of English as a Second Language, Non-Credit  
B.A., M.A., California State University, San Francisco

*MHUNZI, PETER M.  
Instructor of Ethnic Studies  
B.A., California State University, Los Angeles  
M.B.A., University of California, Los Angeles

MIKETTA, JAMES BRETT  
Assistant Professor of Computer Science/Information Systems  
A.A., Glendale Community College  
B.S., University of Southern California  
M.S., Claremont Graduate School

*MILLER, K. ELAINE  
Assistant Professor of Biology  
B.S., M.S., California State University, Los Angeles

*MILLER, MICHAEL  
Instructor of Political Science  
B.S., University of Houston  
J.D., Southwestern University

*MIRABAL, JOSE, JR.  
Instructor of Spanish  
B.A., University of Puerto Rico  
M.A., California State University, Los Angeles  
C.Phil., University of California, Los Angeles

MIRCH, MARY  
Associate Dean, Health Services  
B.S.N., University of Virginia  
M.S., University of Arizona  
Ed.D., Pepperdine University

MIZUNO, LYNN  
Associate Professor of Biology  
B.S., University of Southern California  
M.S., California State University, Los Angeles  
Ph.D., University of Southern California

*MONDRIUS, MARTIN  
Professor Emeritus of Art  
A.B., California State University, Los Angeles  
M.F.A., Claremont Graduate School

MONTANTE, ANGELO THOMAS  
Professor of History  
A.A., Santa Monica City College  
M.A., California State University, Northridge  
B.A., C.Phil., Ph.D., University of California, Los Angeles

*MONTGOMERY, ROBERT  
Instructor of Chemistry  
B.S.c., Harvey Mudd College  
Ph.D., University of Southern California

MOORE, JIWON C.  
Associate Professor of Sociology  
B.A., M.A., California State University, Northridge  
M.A., Ewha Women's University

MORALES, MATILDE E.  
Counselor, EOPS  
B.S., University of Mexico  
M.S., California State University, Los Angeles

*MORRIS, JOAN  
Instructor of English  
B.A., Whitman College  
M.A., California State University, Los Angeles

*MOTOIKE, KATHLEEN J.  
Instructor of English  
B.A., California State University, Long Beach  
M.F.A., Virginia Commonwealth University

MURPHY, KATHLEEN  
Associate Professor of Allied Health  
R.N., S.C.M., Edgeware Hospital, London  
B.S.N., M.S.N., California State University, Los Angeles

*NANDKISHORE, EDGAR R.  
Assistant Professor of Business Administration  
B.A., St. Stephen's College, University of Delhi  
M.B.A., University of Delhi  
J.D., Western State University College of Law

NAUMER, JANET NOLL  
Dean, Library and Learning Resources  
B.A., Pennsylvania State University  
M.A., University of Denver  
Ph.D., University of Colorado, Boulder

NAVARRO, SANDRA  
Instructor of English as a Second Language  
B.A., University of California, Los Angeles  
M.Ed., University of Maryland, College Park

NAZARYAN, ELMIRA  
Counselor, EOPS  
A.A., Los Angeles City College  
B.A., University of California, Los Angeles  
M.S., California State University, Los Angeles

*NEVINS, NANCY  
Instructor of English  
A.A., Saddleback College  
B.A., M.A., California State University, Fullerton

NEWBERRY, LARRY  
Associate Professor of Mathematics  
B.S., M.S., Wichita State University

*NEWHOFF, ROBERT A.  
Instructor of Computer Science/Information Systems  
B.S., Northwestern University

NEY, DONALD  
Professor of Electronics and Computer Technology  
B.S., Southern Illinois University  
M.A., Azusa Pacific University

*NICHOLSON, VICKI  
Director, Human Resources  
Instructor of Business Office Technology  
B.S., California State University, Hayward  
M.S., University of La Verne

NOORI, PARIS  
Counselor  
Associate Professor  
B.S., Southern Illinois University, Carbondale  
M.A., California State University, Los Angeles

*NORMAN, RUSSELL F.  
Professor Emeritus of Business  
B.S., M.Ed., University of California, Los Angeles

* Adjunct Faculty
NORWOOD, KYLE MATTHEW  
Instructor of English  
B.A., M.A., Ph.D., University of California, Los Angeles

NOWINSKI, STUART  
Division Chair, Physical Science  
Associate Professor of Chemistry  
B.S., M.S., California State University, Long Beach

NUNN, MARSHALL E.  
Professor Emeritus of History  
A.B., Stanford University  
M.S.L.S., University of Southern California

NUNNELEE, B.H. (JIM)  
Assistant Professor of Aviation and Transportation  
B.S. Northrop Institute of Technology  
FAA Ratings: Private Pilot, Airframe and Powerplant,  
Authorized Inspector, Designated Mechanical Examiner

ODEL, FRANKLIN  
Instructor of Photography  
B.F.A., M.F.A., California Institute of the Arts

OH, DEBORAH M.  
Instructor of Social Science  
B.A., California State University, Los Angeles  
M.Div., Fuller Theological Seminary  
M.Ed., M.Phil., Columbia University

ONG, HAI T.  
Instructor of Mathematics  
M.S., California State University, Los Angeles

OPPENBERG, ELLEN  
Assistant Professor  
Learning Disabilities Specialist  
B.A., California State University, Northridge  
M.A., California State University, Los Angeles

O'REILLY, EDWARD  
Instructor of Art  
B.F.A., Kansas City Art Institute  
M.F.A., Otis College of Art and Design

OSBURN, BLINDA M.H.  
Instructor of Culinary Arts  
A.S., Southwestern Michigan College  
B.A., California State University, Northridge

OWEN, ANTHONY R.  
Assistant Professor of Aviation and Transportation  
FAA Airframe and Powerplant Mechanic License,  
Commercial Pilot License, Airplane single and Multi-Engine Land  
Instrument Rating, I.A.

OWENS, ARTHUR E.  
Assistant Professor of Accounting  
B.A., California State University, Los Angeles

PAIL, POORNA  
Professor of Geology  
B.S., M.S., Ph.D., Osmania University  
M.B.A., University of California, Riverside

PAPAIOANU, NICK  
Associate Professor of Electronics and Computer Technology  
A.A., Pasadena City College  
B.A., M.A., California State University, Long Beach

PARKER, GARY W.  
Dean, Admissions and Records  
B.A., M.A., Ph.D., University of California, Riverside

PARKER, RANDAL  
Instructor of Philosophy  
B.A., University of British Columbia  
M.A., Ph.D., University of California, Berkeley

PARKS, LEE MILLER  
Instructor of Physical Education  
B.S., M.S., University of New Mexico  
Ph.D., University of Southern California

PATTERSON, SALRY  
Instructor of English as a Second Language  
M.A., United States International University

PATTON, KENNETH W.  
Dean, Career Education/Economic Development  
B.A., California State University, Fresno  
M.S. California Polytechnic University, San Luis Obispo

PAXTON, CAROL  
Associate Professor of Mathematics  
A.A., Pasadena City College  
B.A., M.S., California State University, Los Angeles

PELTZIE, BERNARD  
Instructor of Accounting  
B.A., University of California, Berkeley  
M.A., University of Iowa

PELTZIE, MARY J.  
Assistant Professor of English  
B.A., University of California, Berkeley  
M.A., University of Illinois

PEREIRA, FRANCIS  
Instructor of Economics  
B.S., Illinois State University  
Ph.D., University of Southern California

PEREZ-GIRARDI, MARIA LOURDES  
Assistant Professor of Spanish  
B.A., University of Puerto Rico  
M.A., University of California, Los Angeles

PERKINS, GREGORY  
Counselor, EOPS  
B.A., California State University, Long Beach  
M.A., California State University, Dominguez Hills

PERRY, JEAN  
Associate Professor of Speech  
B.A., M.A., University of Southern California

PESSA, SAMUEL  
Instructor of Italian  
B.A., M.A., University of California, Los Angeles

PETROS, JOHN MICHAEL  
Associate Professor of Television  
B.A., Western Illinois University  
M.A., California State University, Northridge

PFEEFFER, THEODORE R.  
Instructor of Mathematics  
B.A., California State University, Northridge  
M.A., California Lutheran College

PHILUEGER, BETHANY ANN  
Instructor of Music  
B.M., Capital University  
M.M., Baylor University

PHILLIPS-MILLER, DYAN  
Women's Basketball Coach  
Instructor of Health  
B.A., M.A., California State University, Chico

* Adjunct Faculty
"PICKER, CINDY
Instructor of Dance
B.A., University of California, Los Angeles

"PIETRZAK, JAN P.
Instructor of Photography

"PITTARD, JOANNE
Professor of Hemodialysis
R.N., Memorial Hospital School of Nursing, Albany
B.S., M.S., Chapman College

"PITTS, MICHAEL E.
Instructor of English as a Second Language
A.A., Los Angeles City College
B.A., M.F.A., M.S., University of Southern California

"POMEROY, LYNN
Professor of Mathematics
B.S., Loyola Marymount University
M.S., California State University, Northridge

"POORE, MARK
Instructor of Ceramics
B.A., University of Texas, Austin
M.F.A., University of Arizona

"PORTER, ROGER H., JR.
Instructor of Ceramics
B.A., University of Texas, Austin
M.F.A., University of Arizona

"POTASE, THOMAS
Professor of International Business
B.S., M.B.A., University of Southern California
M.S. Engr., University of California, Los Angeles

"POVILAITIS, CARL A.
Instructor of Administration of Justice
A.S., Monterey Peninsula College
B.S., California State University, Fresno
M.P.A., University of Southern California

"POWERS, JAMES G.
Instructor of Aviation Technology
Airline Transport Pilot, Flight Instructor Single & Multi Engine,
Commercial Helicopter Pilot, Instrument Instructor,
Ground Instructor, Advanced Instrument

"PRESTON, CAROLINE
Assistant Professor of American Sign Language
B.A., M.A., California State University, Northridge

"PRICE, JEWEL D'ALOIA
Dean, Student Services
B.A., California State University, Los Angeles
M.S., Ed.D., University of Southern California

"PRICE, MARION
Assistant Professor of Alcohol and Drug Studies
M.A., Pacific Oaks College

"PUGLIA, JOSEPH
Counselor
Professor
B.S., University of Dayton, Ohio
M.A., California State University, Los Angeles
Ed.D., Nova University

"QUEEN, JOHN
Associate Professor of Political Science
B.A., University of Maryland
M.A., Ph.D., University of California, Los Angeles

"QUIJANO, ELVIA
Instructor of Spanish
B.A., M.A., University of California, Los Angeles

"RADOSAVLJEVIC, MILADIN
Instructor of Accounting
Ph.D., University of Belgrade

"RAMBACH, EVELYN
Instructor of Computer Science/Information Systems
B.S., California Polytechnic State University, San Luis Obispo

"RAMILO, GLADYS FE
Instructor of Business Mathematics
B.S., St. Louis University, Philippines

"RAMSEYER, ALBERT
Assistant Professor of Real Estate
B.A., University of California, Davis
M.S.B.A., Boston University
M.A., University of Southern California
J.D., Loyola Law School

"RANCHO, PRUDENCIO C.
Assistant Professor of Allied Health
B.S., Far Eastern University
M.S., California State University, Fresno

"REDDING, JEANNETTE
Instructor of English as a Second Language
B.A., M.A., University of California, Los Angeles

"REDMAN, NINA E.
Librarian
B.A., Mills College
M.L.S., San Jose State University

"RENNER, MARGUERITE
Professor of History
B.A., M.A., Ph.D., University of Pittsburgh

"RENO, FRED B.
Assistant Professor of Administration of Justice
B.S., California State University, Los Angeles
M.P.A., University of Southern California

"REYES, DAVID
Instructor of English
A.A., Rio Hondo College
B.A., California State Polytechnic University, Pomona
M.A., California State University, Los Angeles

"REYES, LYNDA ANGELICA N.
Instructor of Art History
B.A., College of the Holy Spirit
M.A., Northern Illinois University

"RHANEY, VALERIE J.
Counselor, Disabled Student Center
Associate Professor
B.A., University of California, San Diego
M.S., San Diego State University
Ed.S., La Sierra University

"RIBEIRO, MARIA L. R.
Counselor, Career Center
Associate Professor
B.A., University of California, Los Angeles
M.A., Loyola Marymount University

"ROACH, OLGA IRENE
Instructor of Allied Health
B.S.N., California State University, Los Angeles

"ROBERTSON, DONALD
Instructor of Chemistry
B.S., Brigham Young University
Ph.D., Washington University

"ROBERTSON, HEATHER
Instructor of English as a Second Language
B.A., M.A., California State University, Los Angeles

* Adjunct Faculty
*ROSE, GREGORY
Instructor of Theatre Arts
B.A., Stanford University
M.F.A., University of Southern California
J.D., Loyola Law School

*ROSE, JACK REED
Instructor of Social Science
B.A., M.A., California State University, Northridge

ROSEN, NINA GLAUDINI
Assistant Professor of English as a Second Language, Non-credit
M.A., University of Southern California

*ROSS, BARRY
Instructor of Business Law
B.S., M.B.A., University of Southern California
J.D., Southwestern University

*ROSS, BONNIE L.
Instructor of English
B.A., M.A., California State University, Northridge

*ROSS, GEOFFREY
Instructor of Philosophy
Ph.D., Stanford University

*ROSVALL, SUSAN S.
Instructor of English as a Second Language
B.A., University of California, Los Angeles
M.S.Ed., University of Southern California
M.A., California State University, Los Angeles

*RUBIN, DAVID
Instructor of Business Administration
B.S., University of Hartford
M.B.A., Hofstra University

RUBKE, SCOTT
Assistant Professor of Aviation and Transportation
B.S., California State University, Northridge

*RUSSEL, NORMA
Assistant Professor of English as a Second Language
B.A., Indiana University
M.A., California State University, Los Angeles

RUSSELL, ELIZABETH
Instructor of Mathematics
B.S., M.S., University of North Texas

*SAENZ, BRADLEY
Instructor of English
B.A., University of Texas, Austin
M.A., University of Houston

ST. AMA, CARYL
Instructor of Art
B.F.A., Southwest Texas State University
M.F.A., Claremont Graduate School

*SALENO, MARK
Instructor of English
B.A., M.A., Columbia University

*SAMPSON, BRIDGET
Instructor of Speech
B.A., M.A., California State University, Northridge

*SANORA, PATRICIA A.
Assistant Professor of Alcohol/Drug Studies
M.A., Pacific Oaks College

SARTORIS, JAMES M.
Division Chair, Health and Physical Education
Professor of Physical Education
Men's Athletic Director
B.A., University of Washington
M.A., California State University, Los Angeles

SCARPACE, MICHAEL
Professor of Physical Education
A.B., M.S., University of Southern California

*SCHLIEF, MARY A.
Instructor of Child Development
B.M., University of Iowa
M.A., University of Vermont

SCHLOSSMAN, PAUL A.
Associate Dean, Student Activities
B.S., M.P.A., San Diego State University

*SCOTT, MICHAEL D., JR.
Assistant Professor of Accounting
A.A., Glendale Community College
B.S., California State University, Los Angeles
M.S., Golden Gate University

SELTZER, RICHARD
Associate Professor of English as a Second Language
B.A., M.S., State University of New York, Albany
C.Phil., University of Southern California

SERRA, LINDA
Staff Development Officer
Associate Professor of Business
B.V.Ed., California State University, Los Angeles

*SHADE, STEPHEN G.
Assistant Professor of English
B.S., Millersville University
M.A., Villanova University
M.F.A., University of Iowa

SHAMHART, WILLIAM M.
Associate Professor of Mathematics
B.S., University of California, Davis
M.A., Sonoma State University

SHAW, FRANCES F.
Division Chair, Technology and Aviation
Professor of Fashion Design Merchandising
Coordinator Cooperative Education/Work Experience, Cosmetology
B.V.Ed., M.V.Ed., M.A., California State University, Los Angeles

*SHELBURNE, MERRY
Public Information Officer
Assistant Professor of Journalism
B.A., California State University, Los Angeles
M.A., California State University, Northridge

*SHERMAN, MARTIN H.
Instructor of Business
B.A., Brooklyn College
M.B.A., Columbia University

*SIDEROW, MARCIA
Instructor of Mathematics
B.A., M.A., University of California, Los Angeles
B.A., California State University, Northridge

SIMON-ROSS, CELIA
Associate Professor of Spanish
B.A., Mount Saint Mary's College
M.A., University of California, Los Angeles

* Adjunct Faculty
SING, SUSAN FONG
Instructor of Art
A.A., Modesto Junior College
B.A., California State College, Stanislaus
M.A., California State University, San Francisco

*SINGH, AMAR J.*
Instructor of Mathematics
B.Sc., Panjab University
M.Sc., M.Ed., Rajasthan University

*SMITH, JONNYE*
Assistant Professor of Art
B.F.A., University of Texas
M.F.A., University of Iowa

*SNYDER, EILEEN*
Instructor of English as a Second Language
B.A., University of California, Santa Barbara

SOPHER, MELANIE
Counselor, Admissions and Records
Coordinator, Assessment Center
A.A., Glendale Community College
B.A., M.S., California State University, Los Angeles

SOUTHERLAND, JILLAYNE
Director, Parent Education
Division Chair, Business & Life Skills, Non-Credit
Associate Professor of Parent Education
B.A., Wheaton College
M.A., Pacific Oaks College
Ph.D., Claremont Graduate School

SPangler, DIanne M.
Professor of Physical Education
B.A., M.A., California State University, Los Angeles

SPEiser, eeVYN W.
Professor of Computer Science/Information Systems
B.A., Cornell University
M.S., Columbia University

*SPicer, SCOT LUCAS*
Associate Dean, Evening College
Instructor of Sociology
A.B., Brown University
M.B.A., M.S.B.A., University of Southern California

*STARK, JACQUELINE*
Instructor of English
M.A., University of Pennsylvania

*STARK, SIDNEY J.*
Football Coach
Assistant Professor of Physical Education
B.S., Westminster College of Salt Lake City
M.A., California Lutheran University

STATHIS, PETER A.
Associate Professor of Mathematics
B.A., Colgate University
M.A., Claremont Graduate School

STEARS, DANIEL
Associate Professor of Art
B.A., M.A., California State University, Fullerton

STEMBRIDGE, JACKIE
Professor of English as a Second Language
A.A., Glendale Community College
B.A., M.A., California State University, Los Angeles

*STERN, ELLEN*
Assistant Professor of Art
B.A., De Pauw University
M.F.A., University of Southern California

STERN, TED
Professor of Music
B.A., University of Oregon
M.M., University of Southern California
Ph.D., University of California, Los Angeles

STUrvANT, JEANETTE*
Counselor, Disabled Student Center
Professor
B.A., M.S., California State University, Los Angeles

*STOHL, SUSAN*
Instructor of Computer Science/Information Systems
B.S., Brigham Young University

*STONE, HENRY*
Instructor of Mathematics
B.A., M.A., University of California, Berkeley

STONEHAME, CHERYL ANN
Instructor of English as a Second Language
B.A., Scripps College
M.A., California State University, Northridge

*STRATTON, SEAN*
Instructor of English
B.A., M.A., California State University, Northridge

*SU, BOO C*
Instructor of Economics
M.A., Ph.D., Michigan State University

*Suovanen, CHARLES*
Instructor of Music
B.M., M.A., California State University, Northridge

SWEENEY, THOMAS J.
Professor of Machine Technology
A.A., Glendale Community College
B.V.Ed., M.A., California State University, Los Angeles

*SWETT, KAREN*
Instructor of Speech
B.A., M.A., California State University, Northridge

SWINTON, JAN
Program Manager
B.A., San Diego State University
M.S., California State University, Los Angeles

*SYMSON, SANDRA*
Instructor of Child Development
A.A., College of San Mateo
B.A., California State University, San Jose
M.S., California State University, Northridge

TARNELLI, TINA M.
Associate Professor of English as a Second Language, Non-Credit
A.A., Glendale Community College
B.A., California State University, Northridge
M.A., School for International Training

TAYLOR, LOLA
Counselor
Professor
A.A., Ventura College
B.A., University of California, Los Angeles
M.S., California State University, Los Angeles

TAYLOR, ROBERT J.
PACE Director
Counselor
A.B., Beloit College
M.S., California State University, Los Angeles

* Adjunct Faculty
TAYLOR, ROBERT S.
Instructor of English
A.B., University of California, Los Angeles
M.F.A., Vermont College
M.A., Claremont College

*TESSENDORF, JENNIFER E.
Instructor of Economics
A.B., Indiana University
M.A., University of Kentucky

THOMPSON, INGER
Associate Professor of Psychology
B.A., University of California, Irvine
M.A., San Francisco State University

*THORPE, THOMAS E.
Assistant Professor of Astronomy
B.A., M.A., University of California, Los Angeles

*TIRMAN, DANIEL J.
Instructor of English as a Second Language
B.A., M.A., Hunter College

*TORRES, FABIOLA
Instructor of Ethnic Studies
B.A., California State University, Northridge

TRUPE, S. KENNETH
Associate Professor of English
B.A., Roanoke College
M.A., California State University, San Francisco

TSUYUKI, MAKOTO
Professor of Ethnic Studies
B.A., M.A., California State University, Los Angeles

*TUFTELAND, JERRY M.
Associate Professor Emeritus of Business
B.A., Augustana College, South Dakota
M.A., University of Pittsburgh

*TUMPAK, JOHN
Instructor of Business Management
B.M.E., Marquette University
M.B.A., University of Southern California

*TURNER, NANCY K.
Assistant Professor of Art
B.A., Queens College, Flushing, New York
M.A., University of California, Berkeley

UGALDE, CARLOS
Associate Professor of Latin American Studies
B.A., University of California, Los Angeles
M.A., California State University, Los Angeles

UNTERMAN, ROBERT G.
Professor of Business
B.A., State University of New York, Stony Brook
M.A., M.B.A., University of California, Los Angeles
J.D., Loyola Law School

*VALLAS, VALERIE
Instructor of Psychology
M.A., California State University, Los Angeles

VALLICELLA, PHILIP
Professor of English
B.A., University of California, Santa Barbara
M.A., University of Michigan

VAN DAM, DENIS C.
Professor of English
B.A., University of California, Los Angeles
M.A., California State University, Long Beach
Ph.D., University of Southern California

VAN DAM, GEORGIA JO
Professor of Language Arts
A.B., Augustana College, Illinois
M.A., University of Illinois

VANEYENHOVEN, RONALD M.
Coordinator, Alcohol/Drug Studies Program
Associate Professor
B.A., M.A., California State University, Los Angeles

*VAN SCHAAK, MARILYN JOYCE
Instructor of Reading
A.A., Los Angeles Pierce College
B.A., M.A., California State University, Northridge

*VENIER, DANIEL
Instructor of English as a Second Language
B.S., Loyola Marymount University
M.A., California State University, Los Angeles

VICKERS, BRIAN
Instructor of Computer Science/Information Systems
B.A., M.S., Azusa Pacific University

*VILLALOBOS, JOHN
Assistant Professor of English
A.A., Glendale Community College
B.A., M.A., California State University, Los Angeles
Ph.D., University of Southern California

*WAGNER, ALICIA
Instructor of Spanish
M.A., Universidad de Buenos Aires

WAGNER, SHARLENE
Director, Professional Development Center
Business and Industry Training

WANG, YEIMI
Coordinator, Special Events
Professor of Culinary Arts
B.S., Marietta College, Ohio
M.S., University of Southern California

*WARE, ADRA
Assistant Professor of English as a Second Language
B.A., California State University, Los Angeles

WASHINGTON, VICKI
Associate Dean, Extended Opportunity Program and Services (EOPS)
A.A., Pasadena City College
B.A., M.S., California State University, Los Angeles

*WASZAK, LEON
Instructor of History
B.A., M.A., California State University, Los Angeles
Ph.D., University of Southern California

WATANABE, JOAN
Instructor of Photography
A.A., Mt. San Antonio College
B.F.A., University of Southern California
M.F.A., Claremont Graduate School

*WEAVER, MARK
Assistant Professor of Political Science
B.A., Stanford University
M.A., University of Pennsylvania

*WEAVER, ROBERT
Assistant Professor of Art
B.A., M.F.A., Otis Art Institute

*WHELAN, LUCILLE
Librarian
B.A., Immaculate Heart College
M.S.L.S., Catholic University of America
D.L.S., Columbia University

* Adjunct Faculty
WHEELER, MICHAEL
Associate Professor of English
A.B., M.A., University of California, Los Angeles

WHITE, DAVID B.
Division Chair, Language Arts
Associate Professor of English
A.A., Pasadena City College
B.A., M.A., California State University, Los Angeles
International Grad. Diploma, University of Salzburg

*WHITE, GAILYN
Instructor of Sociology
B.A., M.A., Arizona State University

WHITE, STEVEN
Associate Professor of Economics
B.S., University of Illinois
M.A., California State University, Los Angeles

WHITLOCK, STEPHEN A.
Instructor of Business
B.S.E.E., University of Southern California
M.B.A., Loyola University, Los Angeles

WHITTINGTON, BLAIR
Librarian
A.A., Pasadena City College
B.A., California State University, Los Angeles
M.L.S., San Jose State University

*WILES, CAROLEE
Assistant Professor of Dance
B.A., M.A., University of California, Los Angeles

*WILKE, AMY
Instructor of Culinary Arts
B.A., M.A., Arizona State University

*WILKINSON, PAUL J.
Instructor of Mathematics
A.S., B.S., B.S., Loma Linda University
M.S., University of California, Riverside

WILLIAMS, RICHARD L.
Professor of Political Science
B.A., M.A., San Jose State University

*WIMMER, RICHARD
Instructor of English
B.A., Cornell University
M.A., Yale University
M.A., Columbia University

*WINKLHOFER, JERRY
Instructor of Accounting
B.S., California State University, Northridge

WINTERS, LINDA S.
Librarian
Professor
B.A., University of Kansas
M.L., Emory University

WITT, GEORGE J.
Professor of Mathematics
B.A., University of California, Irvine
M.A., California State University, Long Beach
Ed.D., United States International University

*WONG, JOHN
Instructor of English as a Second Language
M.A., San Francisco State University

M.Ed., Temple University

WOODSON, DEANA
Instructor of Computer Science/Information Systems
B.A., Point Loma Nazarene College
M.B.A., California State University, Los Angeles

*WU, ANN
Assistant Professor of English
B.A., National Taiwan Normal University

ZAMOS, JUDITH
Assistant Professor of Allied Health
M.S., Florida International University
M.A., Claremont Graduate School

ZAYAS, PATRICIA
Instructor of English as a Second Language
B.S., Brigham Young University
M.S., California State University, Los Angeles

* Adjunct Faculty
EMERITUS

AGUERO, VITALIA
M.A.L.S., Librarian

ANDERSON, CLARA JO
M.Ed., Business

ANDROFF, ABRAM A.
M.S., Health and Physical Education

ANSLYN, SAMUEL S.
Graphic Design

BANGS, MERY OLIVE
M.A., English

BOUEY, JAMES G.
A.B., Biology

BRIHOUSE, JEB
M.A., Political Science

BROWN, ROBERT W.
M.F.A., Art

CARTER, NORMA B.
M.S., Child Development

CEASE, WESLEY
M.M., Music

COCHRANE, HAROLD
Ed.D., Dean, Guidance and Counseling

COLEMAN, DONALD V.
M.S., Anatomy and Physiology

CONWAY, DANIEL E.
M.A., Psychology

COSTALES, SHARON
M.S., Counselor

CRAVEN, JOHN
M.A., English

CRIPPEN, BETTY
M.A., Counselor

DAVIDSON, RUTH E.
M.A., Allied Health

DeGRASSI, LEONARD
M.A., Art History

DIPETRO, HARRIET LOUISE
M.A., Speech

DONOVAN, BLANCHE K.
M.A., Health and Physical Education

DOYLE, MARK A.
M.A., Sociology

FLETCHALL, DONALD
B.A., Allied Health

FORDE, DAPHNE
M.S., Allied Health

FRIEDRICH-MEJIA, ERIKA
M.A., German

GONZALES, JAMES E.
A.B., Architecture

GRANDE, JOHN
Ph.D., President

GRIFFIN, HOPE C.
M.A., Business

GROSS, LOUIS
M.F.A., Art

HARDISON, RICHARD C.
Ed.D., Psychology

HARVEY, SALLY J.
M.A., Spanish

HENLEY, MARGARET
M.S., Chemistry

HIGH, WALLACE
M.A., Psychology

HORTON, ERNEST
Ph.D., Philosophy

IVES, CARLA
M.A., Spanish

JANICKI, CYRIL B.
M.A., Speech

KREIDER, JOHN S.
M.A., Dean, Instruction

LASHLEY, VIRGINIA
Ph.D., Computer Science/Information Systems

LAYTON, GORDON
A.A., Aviation

LE MIEUX, HILLARY J.
M.S., Dance

LEEK, ANNE
M.A., Business

LEEK, DAVID C.
M.A., Administrative Dean, Evening College

LEW, KIM
M.S., Allied Health

LIENHARD, PATRICIA
Ed.D., Vice President College Services

LINEBAUGH, ALVEN E.
Aviation

LIVINGOOD, EARL R.
M.A., History

MALLORY, WILLIAM
M.V.Ed., Aviation

McCuen, JO RAY
Ph.D., Dean, Evening College

McGUIRE, BARBARA
Ph.D., Director, Parent Education

MESEROW, JUDY
M.A., Counselor

MEYER, DIANE L.
M.S., Counselor

MONDRUS, MARTIN
M.F.A., Art

MOODY, MARGARET
Ph.D., History

NELSON, VIRGINIA
M.B.A., Non-credit Business

NORMAN, RUSSELL
M.Ed., Business

NOVINGER, ANNE MARIE
M.A., Specialist, Health Services

NUNN, MARSHALL E.
M.S.L.S., Librarian

PARKER, WILLIAM
J.D., Philosophy

PETERKA, RONALD
Aviation

RASMUSON, N. ARTHUR
M.A., Executive Vice President Instruction

REINHARD, C. WILLIAM
M.A., Health and Physical Education

REYES, TITA
M.A., Associate Dean, Allied Health

RIKE, TOM
M.S., Biology

SCULL, SHARON
M.A., English

SEIFERT, RAMONA
M.A., Business

SMITH, JAMES M.
M.A., Anthropology

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M.S., Dean, Student Activities

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Ph.D., Geology

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OFF-CAMPUS LOCATIONS

Adult Community Training Center
Community Services
1122 E. Garfield Ave.
Glendale, CA 91205
(818) 243-3184

Professional Development Center
2340 Honolulu Ave.
Montrose, CA 91020
(818) 957-0024

GLENDALE COLLEGE
1500 N. Verdugo Rd.
Glendale, CA 91208
(818) 240-1000
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1500 NORTH VERDUGO ROAD
GLENDALE, CALIFORNIA 91208
(818) 240-1000