COURSE DESCRIPTIONS
Riverside Community College District offers a comprehensive program of instruction for students who wish to transfer to four-year institutions, complete an associate degree, train for specific occupations, or develop skills and knowledge. The information listed on courses and transferability is accurate as of the catalog publication date, but from time to time this varies based on changes that occur at four-year institutions. It is always advisable to check with a counselor and the four-year transfer institution for current updates. The following section includes a description of courses which the Board of Trustees has authorized the District to offer. The complete course outlines of record including student learning outcomes can be found at www.curricunet.com/RCCD.

UC/CSU
These designated courses are transferable to the campuses of the University of California and the California State University system. Those courses that are not marked UC are not transferable to University of California campuses. Those courses marked UC* indicate there are transfer credit limitations. Copies of the UC transfer course list indicating credit unit limitations are available in the Transfer/Career Center. When in doubt, students are advised to confer with a counselor.

Course Identification Numbering System (C-ID)
The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number next to a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. Thus, if a schedule of classes or catalog lists a course bearing a C-ID number, for example COMM 110, students at that college can be assured that it will be accepted in lieu of a course bearing the C-ID COMM 110 designation at another community college. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. However, students should always go to www.assist.org to confirm how each college’s course will be accepted at a particular four-year college or university for transfer credit.

The C-ID numbering system is useful for students attending more than one community college and is applied to many of the transferable courses students need as preparation for transfer. Because these course requirements may change and because courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer.

DELIVERY METHODS
A variety of delivery methods are used to offer classes a Riverside Community College District, including face-to-face classroom instruction and distance delivery methods such as hybrid classes and online classes (taught entirely online utilizing computer and Internet technology). Enrollment in online classes is limited to students who have demonstrated competency in working in the online environment. Please see the Open Campus section of the class schedule for details on meeting the limitation on enrollment for online classes.

NON-DEGREE CREDIT
Courses indicated as non-degree credit earn credit, but the credit is not counted toward the associate degree. These courses (Communication Studies 51, 85A, 85B, English 60AB, 60A1, 60A2, 60A3, 60A4, 80, 85, 90B; English as a Second Language 51, 52, 53, 65, 71, 72, 90 A-M, 91, 92, 95; Mathematics 37, 52, 63, 64, 65, 90 A-F; 98; Nursing-Continuing Education: 81; Nursing-Registered: 11B, 11C, 12B, 12C, 18, 21B, 21C, 22B, 22C; Nursing-Vocational: 52A, 52B, 52C, 62A, 62B, 62C; Reading 81, 82, 83, 86, 87, and 95) are intended to help students develop skills necessary to succeed in college level degree-applicable courses. Non-degree credit courses can be used toward the following: athletic eligibility, work study, financial aid, social security benefits, veteran’s benefits, associated student body office, and full-time status.

NON-CREDIT
These courses are numbered in the 800’s and are non-credit classes. No unit credit is earned in these courses.

REPEATING A COURSE
Students may repeat courses in which a C or better grade was earned only for the following types of courses: courses for which repetition is necessary to meet the major requirements of CSU or UC for completion of a bachelor’s degree, intercollegiate athletics, and intercollegiate academic or vocational competition courses that are related in content. The designation of whether a course is repeatable is indicated in the course description.

LIMITATIONS ON ENROLLMENT
Please check course description carefully to see if there are any prerequisites, corequisites, advisory or other limitations on enrollment.

Prerequisite - When a course has a prerequisite, it means that the corresponding discipline has determined that the student must have certain knowledge to be successful in the course. The prior knowledge may be a skill (type 40 WPM), and ability (speak and write French fluently), a preparation score (placement test and prior academic background), or successful completion of a course (grade of C or better, P or CR). Completion of the prerequisite is required prior to enrolling in the class. Successful completion of a prerequisite requires a grade of C or better, P (Pass). C-, D, F, FW, NP (No Pass), or I are not acceptable. Students currently enrolled in a prerequisite course at Riverside Community College District (i.e. Math 52) will be allowed to register for the succeeding class (i.e. Math 35). However, if the prerequisite course is not passed with at least a C grade, the student will be dropped from the succeeding class.

Corequisite - When a course has a corequisite, it means that a student is required to take another course concurrent with or prior to enrollment in the course. Knowing the information presented in the corequisite course is considered necessary for a student to be
successful in the course. (Completion of, or concurrent enrollment in, Math 1A is required for Physics 4A.)

It is the student’s responsibility to know and meet the course prerequisites and corequisites. These are stated in the course descriptions of the schedule of classes and the current college catalog. A student may be required to file proof of prerequisite and corequisite requirements.

Advisory - When a course has an advisory, it means that a student is recommended to have a certain preparation before entering the course. The preparation is considered advantageous to a student’s success in the course. Since the preparation is advised, but not required, the student will not be blocked from enrolling in a class if he/she does not meet the advisory.

Verifying Prerequisites/Corequisites - It is the student’s responsibility to know and meet the course prerequisites and corequisites. These are stated in the course descriptions within the Schedule of Classes and the college catalogs.

If you have met the prerequisites at another accredited college or university, you must provide verification through one of the following:

- Submit official transcript(s) and complete a Prerequisite Validation form.
- Submit unofficial transcript(s) or grade reports and complete a Matriculation Appeals petition. Petitions approved on an unofficial transcript will be approved for one semester only. This will provide time for the student to request official transcripts.
- Coursework must be listed on the original transcript. Coursework listed on a secondary transcript is not acceptable documentation.
- If you wish to challenge a prerequisite for courses other than English, ESL, math or reading on the basis of knowledge or ability or because of the unavailability of the prerequisite, submit a Matriculation Appeals petition at any of our campus’s counseling offices.
- Successful completion of some high school courses are accepted by the discipline as an appeal to existing prerequisites and/or corequisites.

Petitions to challenge a prerequisite are available in the Counseling Offices on all three colleges.

CREDIT COURSES
Credit courses can be degree or non-degree applicable. Unlike non-credit courses, they do carry units based on the number of hours of lecture, lab, or both that are required in the official course outline for the course. These courses are in a wide variety of areas; each requires critical thinking, reading and writing, and assignments that are completed outside of class that require the student to study and work independently. Credit courses are approved by the district and college Curriculum Committees and the Board of Trustees.

| ACCOUNTING |
|------------|-----------|
| ACC-1A - Principles of Accounting, I | 3 units |
| UC, CSU (C-ID ACCT 110) |
| Prerequisite: None. |
| Advisory: BUS-20. |
| An introduction to accounting principles and practice, as a manual and/or computerized information system that provides and interprets economic data for economic units within a global society. Includes recording, analyzing and summarizing procedures used in preparing financial statements. 54 hours lecture. |
| ACC-1B - Principles of Accounting, II | 3 units |
| UC, CSU (C-ID ACCT 120) |
| Prerequisite: ACC-1A. |
| A study of managerial accounting principles and information systems including basic concepts, limitations, tools and methods to support the internal decision-making functions of an organization. 54 hours lecture. |
| ACC-38 - Managerial Accounting | 3 units |
| CSU |
| Prerequisite: ACC-1A. |
| Conceptual and technical analysis of accounting information used by managers as they carry out their planning, controlling and decision-making responsibilities. Includes coverage of just-in-time systems, activity-based costing, flexible manufacturing systems, computer-integrated performance measures and the impact of automation on capital budgeting decisions. 54 hours lecture. |
| ACC-55 - Applied Accounting/Bookkeeping | 3 units |
| (Same as CAT-55) |
| Prerequisite: None. |
| This is an introductory course for students who are non-accounting majors. The focus is basic bookkeeping and accounting principles for both merchandising and service oriented small business enterprises. Emphasis is on the development of skills to record business transactions for cash and accrual methods, as well as the procedures to prepare financial statements and complete an accounting cycle. Attention is given to special journals, subsidiary ledgers, and payroll and banking procedures. 54 hours lecture. (Letter Grade, or Pass/No Pass option.) |
| ACC-61 - Cost Accounting | 3 units |
| CSU |
| Prerequisite: ACC-1B. |
| Studies the development of detailed cost data essential to management for controlling operations, decision making and planning. Principles of cost accounting are applied primarily to a manufacturing organization, but are also used by merchandising and service organizations. Use of computers may be required. 54 hours lecture. |
ACC-62 - Payroll Accounting 3 units
CSU
Prerequisite: ACC-1A or ACC/CAT-55.
Studies accounting for payroll and examines aspects of the Social Security Act, California Unemployment Insurance Act and the California Workmen’s Compensation Insurance Act. Payroll principles applied through the use of microcomputers. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ACC-63 - Income Tax Accounting 3 units
CSU
Prerequisite: None.
Theory and method of preparation of federal income tax returns for individuals. Actual forms are studied and returns are prepared. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ACC-65 - Computerized Accounting 3 units
CSU
Prerequisite: ACC-1A or ACC/CAT-55.
Advisory: CIS-1A or 3.
An introduction to computerized accounting, integrating the principles of accounting to an automated system in use by many accounting professionals. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ACC-66 - Non-Profit and Governmental Accounting 3 units
CSU
Prerequisite: ACC-1A.
Advisory: BUS-20.
A study of the principles and practices of nonprofit and governmental entities fund accounting. Topics include accounting concepts, types and structure of funds and accounts, application of generally accepted accounting principles to nonprofit and governmental organizations. 54 hours lecture.

ACC-200 - Accounting Work Experience 1-2-3-4 units
CSU*
Prerequisite: None.
Advisory: Students should have paid or voluntary employment.
This course is designed to coordinate the student’s occupational on-the-job training with related classroom instruction. Students enrolled in this occupational work experience course must be employed in a field related to the work experience subject area. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. 18 hours lecture. Additionally, 60 hours of volunteer work or 75 hours of paid work is required for each unit.

ADMINISTRATION OF JUSTICE

ADJ-1 - Introduction to the Administration of Justice 3 units
(Same as JUS-1)
UC, CSU (C-ID AJ 110)
Prerequisite: None.
The history and philosophy of administration of justice in America; recapitulation of the system; identifying the various subsystems, role expectations, and their interrelationships; theories of crime, punishment, and rehabilitation; ethics, education, and training for professionalism in the system. 54 hours lecture.

ADJ-2 - Principles and Procedures of the Justice System 3 units
(Same as JUS-2)
CSU (C-ID AJ 122)
Prerequisite: None.
This course provides an examination and analysis of due process in criminal proceedings from pre-arrest through trial and appeal utilizing statutory law and state and constitutional precedents. 54 hours lecture.

ADJ-3 - Concepts of Criminal Law 3 units
(Same as JUS-3)
UC, CSU (C-ID AJ 120)
Prerequisite: None.
Historical development, philosophy of law and constitutional provisions; definitions, classification of crimes, and their application to the system of administration of justice; legal research, study of case law, methodology, and concepts of law as a social force. 54 hours lecture.

ADJ-4 - Legal Aspects of Evidence 3 units
(Same as JUS-4)
CSU (C-ID AJ 124)
Prerequisite: None.
Origin, development, philosophy and constitutional basis of evidence; 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. 54 hours lecture.

ADJ-5 - Community Relations 3 units
(Same as JUS-5)
UC, CSU (C-ID AJ 160)
Prerequisite: None.
This course examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict with an emphasis on the challenges and prospects of administering justice within a diverse multicultural population. 54 hours lecture.

ADJ-6 - Patrol Procedures 3 units
CSU
Prerequisite: None.
Responsibilities, techniques and methods of police patrol. 54 hours lecture.
ADJ-8 - Juvenile Law and Procedures  
(Same as JUS-8)  
CSU (C-ID AJ 220)  
Prerequisite: None.  
The organization, functions, and jurisdiction of juvenile agencies; the processing and detention of juveniles; juvenile case disposition; juvenile statutes and court procedures. 54 hours lecture.

ADJ-9 - Law in American Society  
(Same as JUS-9)  
CSU  
Prerequisite: None.  
A general survey of practical law intended as an introduction to the American legal system and to acquaint the student with elements of the law that affect every day legal relationships: criminal and juvenile justice, consumer law, family law, housing law, and individual rights and liberties. Emphasis is placed on the philosophical and political foundations of law and on civil law. Recommended for prelaw students and for others interested in the practical application of the law. 54 hours lecture.

ADJ-10 - Introduction to Security  
(Same as JUS-10)  
CSU  
Prerequisite: None.  
This is an introductory course into the career ladder of Private Security. This course will serve as the entry point for understanding this career field, as unique from traditional law enforcement services, e.g., police officer, deputy sheriff. The students will focus on the provision of security services for the private sector and the business world by satisfying the customer through the provision of myriad services at the security officer, supervisor and manager/administrator level. 54 hours lecture.

ADJ-12 - Introduction to Criminalistics  
(Same as JUS-12)  
CSU  
Prerequisite: None.  
Criminalistics is the application of science to the solution of crimes. This course will introduce the student to the breadth and complexities of scientifically examining physical evidence relating to criminal matters. The course offers insight, basic knowledge, and applicable skills for the collection, categorization, analysis, interpretation, and reporting of crime-related evidence. The categories of inceptive evidence, identification evidence, associative evidence, and corroborative evidence will be explored, and the pattern, chemical, and biological types of evidence will be examined. 54 hours lecture and 18 hours laboratory.

ADJ-13 - Criminal Investigation  
(Same as JUS-13)  
CSU  
Prerequisite: None.  
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. 54 hours lecture.

ADJ-14 - Advanced Criminal Investigation  
(Same as JUS-14)  
CSU  
Prerequisite: ADJ/JUS-13.  
Advanced training and skill development in the conduct of crime scene investigation and in the recording, collection and preservation of physical evidence. Focus is on the understanding and working knowledge of fingerprints, ballistics, firearms identification, varieties of trace evidence and a basic introduction to forensic sciences. 54 hours lecture and 24 hours laboratory.

ADJ-15 - Narcotics  
CSU  
Prerequisite: None.  
A basic understanding of narcotics and dangerous drugs, the causes of addiction or habituation, identification of narcotics, hallucinogens, enforcement procedure and legal aspects. 54 hours lecture.

ADJ-16 - Interviewing and Counseling  
CSU  
Prerequisite: None.  
Introduction to approaches of behavior modification through interviewing and counseling. An overview of the techniques available to entry level practitioners in corrections in counseling and interviewing. Creates an awareness of advanced methods utilized by professional counselors. Traces the development of positive relationships between the client and corrections personnel. 54 hours lecture.

ADJ-18 - Institutional and Field Services  
CSU  
Prerequisite: None.  
Philosophy and history of correctional services. A survey of the correctional sub-systems of institutions by type and function, probation concepts, and parole operations. A discussion of correctional employee responsibilities as applied to offender behavior modification via supervisory control techniques. Rehabilitation goals as they affect individual and inmate cultural groups in both confirmed and field settings. 54 hours lecture.

ADJ-20 - Introduction to Corrections  
(Same as JUS-20)  
CSU  
Prerequisite: None.  
This course is designed to provide the student with an overview of the history and trends of adult and juvenile corrections, including probation and parole. The course will focus on the legal issues, specific laws and general operations of correctional institutions. The relationship between corrections and other components of the judicial system will also be examined. This course has been identified by the Correctional Peace Officer Standards and training Board of the Department of Corrections, California Youth Authority and the California Peace Officers Association to fulfill the educational requirements of the CPOST Certificate for apprentices hired after July 1, 1995 by CDC and CYA. 54 hours lecture.
ADJ-21 - Control and Supervision in Corrections  3 units
CSU
Prerequisite: None.
This course provides an overview of the supervision process of
inmates in the local, state and federal correctional institutions. The
issues of the control continuum from daily institutional living
through crisis situations will be introduced and discussed. The
course will emphasize the role played by the offender and the
纠正的工作者. 时将包括狱犯亚文化，暴力和拥挤对囚犯和工作人员的影响
and coping
ADJ-22 - Legal Aspects of Corrections  3 units
CSU
Prerequisite: None.
This course provides students with an awareness of the historical
framework, concepts and precedents that guide correctional
practice. Course study will broaden the individual’s perspective of
the corrections environment, the civil rights of prisoners and the
responsibilities and liabilities of corrections officials. This course
has been identified by the Correctional Peace Officers Standards and Training Board of the Department of Corrections, California Youth Authority and the California Peace Officers Association to fulfill the educational requirements of the CPOST Certificate for apprentices hired after July 1, 1995 by CDC and CYA. 54 hours lecture.

ADJ-23 - Criminal Justice Report Writing  3 units
CSU
Prerequisite: None.
This is an introductory course emphasizing the practical aspects of
organizing and preparing written reports applicable to
the criminal justice system. The course will cover the techniques of
communicating facts, information and ideas effectively in a simple,
clear and logical manner. Students will gain practical experience in
note taking, report writing, memoranda, letters, directives and
written administrative projects. Students will also gain practical
experience in preparation for court appearances. This course has
been identified by the Correctional Peace Officers Standards and
Training Board of the Department of Corrections, California Youth Authority and the California Peace Officers Association to fulfill the educational requirements of the CPOST Certificate for apprentices hired after July 1, 1995 by CDC and CYA. 54 hours lecture.

ADJ-25 - Introduction to Probation and Parole  3 units
(Same as JUS-25)
CSU
Prerequisite: None.
This course provides an overview of the historical development of
probation and parole from early court procedures through modern
practices. Course study will emphasize organization, function,
goals, development and treatment theory focusing on how these
concepts are utilized in California. 54 hours lecture.

ADJ-30 - Introduction to Family Support Law  3 units
(Same as JUS-30)
CSU
Prerequisite: None.
This course introduces students to the comprehensive range of
policy, procedure, philosophy and theory relevant to the practice of
Family Support Law. The course examines Family Support laws as
they relate to child and parental rights, establishment of paternity,
the role of government and the courts and policies and procedures
used in the administration of such laws in public agencies. 54 hours
lecture.

ADJ-200 - Administration of Justice  1-2-3-4 units
Work Experience
CSU*
Prerequisite: None.
Advisory: Students should have paid or voluntary employment.
This course is designed to coordinate the student’s occupational
on-the-job training with related instruction in work-related skills.
Students may earn up to four (4) units each semester for a
maximum of 16 units of work experience. No more than 20 hours
per week may be applied toward the work requirement. Students
enrolling in WKX-200 are administratively moved to the
appropriate general or occupational work experience course after
the first class meeting based upon several factors, including the
number of hours worked during the semester, occupational program
requirements, and type of work in which the student is engaged. 18
hours orientation and 60 hours of volunteer work experience
(maximum of 240 hours) or 75 hours of paid work experience
(maximum of 300 hours) are required for each enrolled unit. (Letter
Grade or Pass/No Pass option.)
**AIR CONDITIONING AND REFRIGERATION**

**AIR-50A - Air Conditioning and Refrigeration**  5 units
*Prerequisite: None.*
Fundamentals in basic refrigeration. Nomenclature and terminology used in industry in relation to basic refrigeration systems. Physics, chemistry, and engineering of refrigeration systems; systems components and their interactions. 90 hours lecture.  

**AIR-50B - Advanced Refrigeration**  5 units
*Prerequisite: AIR-50A.*
Consists primarily of troubleshooting, diagnosis and repair of domestic refrigeration equipment to include refrigerators, freezers, and window air conditioners. Also includes preventive maintenance and repair. 72 hours lecture and 54 hours laboratory.  

**AIR-51A - Environmental Control**  5 units
*Prerequisite: AIR-50B.*
Consists of air conditioning design and applications. Covers electronic air cleaners, humidifiers, dehumidifiers, mechanical media air filtration, air conditioning design and load calculations. Also includes preventive maintenance and repair. 72 hours lecture and 54 hours laboratory.  

**AIR-51B - Industrial Commercial Refrigeration**  5 units
*Prerequisite: AIR-50B.*
Consists of design and application of commercial and industrial refrigeration systems. Covers pneumatic control systems, hydraulic systems, electronic systems that are currently in use in industry today. Also includes special applications covering expendable refrigerant, absorption, thermal electric, cascade and low temperature exotic systems. Designs and applications of all these systems include preventive maintenance and repair. 72 hours lecture and 54 hours laboratory.  

**AIR-53 - Basic Electricity for Air Conditioning and Refrigeration**  4 units
*Prerequisite: None.*
Introduces basic electrical theory, beginning circuit design, and electrical parts identification on air conditioning and refrigeration equipment. Includes hands-on preventative maintenance, and minor repair on electrical circuits. 54 hours lecture and 54 hours laboratory.  

**AIR-60 - Electrical and Mechanical Diagnostic Lab Procedures**  1 unit
*Prerequisite: AIR-50A.*
The principles of electrical circuits and mechanical with emphasis placed upon circuit design, diagnostic troubleshooting and repair and instrument operation. Subsequent enrollment in additional semesters will provide the student an opportunity for additional skills and competency development within the subject matter. 54 hours laboratory.  

**AMERICAN SIGN LANGUAGE**

**AML-1 - American Sign Language 1**  4 units
*UC*, *CSU*
*Prerequisite: None.*
This course concentrates on developing the basic principles and skills of American Sign Language (ASL) through cultural appreciation and nonverbal instruction. Emphasis is placed on Deaf culture and Deaf people in history, visual training, sign vocabulary acquisition, comprehension and communicative skills development, as well as basic structural and grammatical patterns of ASL discourse at the beginning level. 72 hours lecture and 18 hours laboratory.  

**AML-2 - American Sign Language 2**  4 units
*UC, CSU*
*Prerequisite: AML-1.*
Further development of basic ASL skills in comprehension and expression. A continued emphasis on the acquisition of ASL vocabulary, fingerspelling, structures and grammatical patterns necessary for comprehension of standard signed ASL at the beginning/intermediate level. Nonverbal techniques are employed to further enhance the students’ complex non-manual grammatical structures as well. 72 hours lecture and 18 hours laboratory.  

**AML-3 - American Sign Language 3**  4 units
*UC, CSU*
*Prerequisite: AML-2.*
Review of ASL grammar with special emphasis upon idiomatic constructions. Further development of conversational techniques focusing on expressive, as well as receptive skills, intermediate level vocabulary expansion, ASL structural and grammatical patterns necessary for comprehension of standard ASL at the intermediate level. This course includes an expanded discussion of Deaf culture issues and daily life. 72 hours lecture and 18 hours laboratory.  

**AIR-200 - Air Conditioning and Refrigeration**  1-2-3-4 units
*Work Experience*
*CSU*  
*Prerequisite: None.*
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)
AML-4 - American Sign Language 4  
UC, CSU
Prerequisite: AML-3.
Further development of intermediate skills toward advanced skills of ASL fluency. An expanded review of ASL vocabulary, syntactical structures and grammatical patterns necessary for comprehension of standard American Sign Language is emphasized. This course also emphasizes aspects of Deaf culture and community through spontaneously generated conversations. There is also an emphasis on watching ASL narratives of varying length at native speed as a means of enhancing advanced ASL receptive skills. 72 hours lecture and 18 hours laboratory.

AML-5 - Sign Language for Interpreters  
CSU
Prerequisite: AML-4.
This is an advanced course in American Sign Language discourse, intended for students currently enrolled in the Interpreter Education Program or for professional interpreters currently working in the field who display advanced ASL communicative fluency at the ASL-4 level. Special attention is given to the anthropological linguistic evolution of ASL and the linguistics of American Sign Language, including the grammatical functions of ASL within discourse. 72 hours lecture and 18 hours laboratory.

AML-10 - Introduction to Sign Language Interpreting  
CSU
Prerequisite: None.
This course is an introduction to ASL/English interpretation between deaf and hearing people. The focus is on theoretical models of interpretation, text analysis through intralingual translation exercises, and a historical overview of the profession of ASL/English interpretation. 54 hours lecture.

AML-11 - Interpreting I  
CSU
Prerequisite: AML-4.
Corequisite: Concurrent enrollment in or prior completion of AMY-5.
Course designed to develop skills necessary for ASL interpretation. Emphasis on voice-to-sign (English-to-ASL) interpreting skills. 72 hours lecture and 27 laboratory hours observation.

AML-12 - Interpreting II  
CSU
Prerequisite: AML-11.
Course designed to develop skills necessary for ASL interpretation. Emphasis on sign-to-voice (ASL-to-English) interpreting skills. 72 hours lecture and 27 laboratory hours observation.

AML-13 - Interpreting III  
CSU
Prerequisite: AML-12.
Students will further develop simultaneous interpreting, and be provided experience related to this method, including critiqued interpreting, interaction, and discussion concerning experiences. Lab experience is a mentorship with an experienced professional ASL/English and/or ASL/English/Spanish interpreter. 72 hours lecture and 27 hours laboratory observation.

AML-14 - Interpreting IV/Practicum  
CSU
Prerequisite: AML-13.
Supervised field practicum as a sign language interpreter-in-training in entry-level situations with experienced interpreters as models/mentors. 108 hours laboratory.

AML-20 - Ethical and Professional Standards of Interpreting  
CSU
Prerequisite: None.
This course concentrates on the Registry of Interpreters for the Deaf Code of Professional Conduct pertaining to the professional standards of behavior and ethical conduct for ASL/English interpreters. This is a lecture course that explores personal, as well as professional ethical behavior, for the purpose of exploring pragmatic reasons for the conduct governing this profession, on a macro, as well as micro, level. 54 hours lecture.

AML-22 - American Deaf Culture  
CSU
(Same as SOC-22)
Prerequisite: None.
An introduction to culture and values of Deaf people in North America as reflected in language, literature, art, history, political and social events. Class conducted in American Sign Language with English translation. 54 hours lecture.

ANATOMY AND PHYSIOLOGY

AMY-2A - Anatomy and Physiology I  
UC, CSU
Prerequisite: BIO-1 or 1H.
First of a two course sequence that introduces students to the basic concepts and principles of anatomy and physiology. This course will provide a foundation for advanced study of the human body. The course covers body orientation and organization, cells and tissues, the skeletal and muscular system, and the eye and ear. Designed to meet the prerequisite for professional programs, e.g. nursing, dental hygiene, and physical therapy. 36 hours lecture and 108 hours laboratory.

AMY-2B - Anatomy and Physiology, II  
UC, CSU
Prerequisite: AMY-2A.
Second of a two course sequence in anatomy and physiology that covers these systems: nervous, endocrine, cardiovascular, respiratory, urinary, digestive, and reproductive organ systems. 36 hours lecture and 108 hours laboratory.
AMY-10 - Survey of Human Anatomy and Physiology  3 units
UC, CSU
Prerequisite: None.
An introductory and survey course of structural and functional aspects of the human body. Emphasis is placed on cell organization, human tissues and discussion of each of the human systems. 54 hours lecture.

ANTHROPOLOGY

ANT-1 - Physical Anthropology  3 units
UC, CSU (C-ID ANTH 110)
Prerequisite: None.
An introduction to human biological evolution, physical diversity, and relationship to the animal world, using scientific and comparative methods. Incorporates the study of genetics, fossils, primates, and modern human variation within an evolutionary framework. Students may not receive credit for both ANT-1 and ANT-1H. 54 hours lecture.

ANT-1H - Physical Anthropology  3 units
UC, CSU (C-ID ANTH 110)
Prerequisite: None.
Limitation on enrollment: Enrollment in the Honors Program.
This honors course offers an enriched introduction to human biological evolution, physical diversity, and relationship to the animal world, using scientific and comparative methods. Incorporates the study of genetics, fossils, primates, and modern human variation within an evolutionary framework. Students may not receive credit for both ANT-1 and ANT-1H. 54 hours lecture.

ANT-2 - Cultural Anthropology  3 units
UC, CSU (C-ID ANTH 120)
Prerequisite: None.
An introduction to the anthropological concept of culture and to the methods and theories used in the comparative analysis of cultures. Cultural practices and institutions are examined using perspectives that enhance effective participation in a culturally diverse world. 54 hours lecture.

ANT-3 - Prehistoric Cultures  3 units
UC, CSU
Prerequisite: None.
The development of human society from the earliest evidence of culture to the beginnings of recorded history. The concepts, methods, and data of prehistoric archaeology are used to examine the major transitions in human prehistory, including the origins of culture, agriculture, and early civilization. 54 hours lecture.

ANT-4 - Native American Cultures  3 units
UC, CSU
Prerequisite: None.
A survey of Native American cultures from the pre-Columbian period through conquest and reservation life and into the present. Incorporates evidence from archaeology, oral history, personal narratives, and other sources. Emphasis will be on the growth of Native American cultures, modern communities, including urban life, social and religious institutions, and traditional cultural elements and artistic traditions. 54 hours lecture.

ANT-5 - Cultures of Ancient Mexico  3 units
UC, CSU
Prerequisite: None.
The development of civilization in ancient Mexico, integrating evidence from archaeology and the pre-hispanic and post-Conquest written records. Emphasizes the history, lifeways, and social and religious institutions of Mexico from the earliest cultures to the Aztec civilization, and their persistence in the modern world. 54 hours lecture.

ANT-6 - Introduction to Archaeology  3 units
UC, CSU (C-ID ANTH 150)
Prerequisite: None.
An examination of the basic concepts, methods, and findings of modern archaeology. Covers the history of archaeology, the application of archaeological methods of recovery and interpretation, and the analysis of archaeological evidence as it is used to reconstruct ancient societies and major trends in cultural evolution. 54 hours lecture.

ANT-7 - Anthropology of Religion  3 units
UC, CSU
Prerequisite: None.
Introduction to the anthropological study of religion in world cultures, using a cross-cultural approach to the analysis of beliefs, rituals, mythology, and the role of religion in society, particularly focusing on non-Western traditional societies. 54 hours lecture.

ANT-8 - Language and Culture  3 units
UC, CSU (C-ID ANTH 130)
Prerequisite: None.
An introduction to the anthropological study of language in world cultures. Characteristics of human verbal and non-verbal communication, language diversity and change, and the relationship of language to culture and social groups. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ANT-10 - Forensic Anthropology  3 units
UC, CSU
Prerequisite: None.
The application of the methods of physical anthropology, within a medicolegal framework, to the identification of human remains. Focuses on human osteology for the determination of age, sex, ancestry, stature, and unique features. 54 hours lecture.
ANT-21 - Peoples of Sub-Saharan Africa 3 units
UC, CSU
Prerequisite: None.
Survey of indigenous cultures of sub-Saharan Africa, and their contributions to and situation in the modern world. Focus on adaptations, society, belief systems, culture change, and the effects of European colonization on current culture and politics in Africa. 54 hours lecture.

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APPLIED DIGITAL MEDIA AND PRINTING

ADM-1 - Introduction to Applied Digital Media 3 units
CSU
Prerequisite: None.
An introductory course for the graphic communications industry and Digital Media program. This course provides an introduction to basic graphic design, typography, prepress, digital and offset printing, and finishing. 36 hours lecture and 72 hours laboratory.

Prerequisite: ADM-1.
A course designed to instruct the student in current management skills relating to personnel, sales and marketing, design, estimating, budgeting, planning, scheduling, safety, and environmental issues in the graphics and design industries. 54 hours lecture.

ADM-58 - Paper and Inks for Multi-purposed Design 1 unit
Prerequisite: None.
Theory and principles involved in assigning paper, ink, and other substrates to design projects relating to printing and multimedia. The relationship of products and processes is discussed to ensure design consistency. 18 hours lecture.

ADM-62 - Typography and Graphic Design 3 units
(Same as CIS-59)
Prerequisite: None.
This course is a study of the fundamentals of typography including type anatomy, design, hierarchy, and aesthetic expression. Emphasis is placed on the process of design development from roughs to comprehensives, layout, and the use of type for effective communication. Industry standard software is used in the development of typographic and graphic design solutions appropriate for print, web and other media. 36 hours lecture and 72 hours laboratory.

ADM-63A - Adobe InDesign, Beginning 3 units
CSU
Prerequisite: None.
Beginning page layout and design for professional publishing. A course for graphic designers, production artists, and pre-press professionals. Integrates seamlessly with Adobe’s other leading applications to provide a consistent design environment. 36 hours lecture and 72 hours laboratory.

ADM-63B - Adobe InDesign, Advanced 3 units
CSU
Prerequisite: ADM-63A.
Advanced page layout using Adobe InDesign. This course emphasizes the design of interactive/multimedia documents destined for use on the Internet and/or a variety of hand-held devices. Additional instruction is given on long document creation destined for print or digital output. 36 hours lecture and 72 hours laboratory.

ADM-64 - Ethics and Legalities of Digital Manipulation 1 unit
Prerequisite: None.
This course provides the student with rules, regulations and responsibilities regarding the ethics and legalities of digital manipulation for Internet, graphic design, multimedia and personal use. 18 hours lecture.

ADM-65 - Color Systems and File Management 1 unit
Prerequisite: None.
An introductory course in computer color systems and file management using a variety of computer platforms. Consideration is given to file portability, naming conventions, troubleshooting issues and system maintenance to ensure the proper output of a computer file. 18 hours lecture.

ADM-66 - Web Animation with Flash 3 units
CSU
Prerequisite: None.
Development of interactive websites and animations using the latest version of Flash. An in depth look at the tools and scripting language of the industry standard Flash used in a production environment. 36 hours lecture and 72 hours laboratory.

ADM-67 - Advanced Photoshop 3 units
Prerequisite: ADM-71.
A comprehensive course in exploring the digital tools and techniques available for text handling, drawing and image editing. Development of advanced techniques to provide a deeper, clearer and more technical understanding of digital image creation, manipulation and output using Adobe Photoshop. 36 hours lecture and 72 hours laboratory.

ADM-68 - 3D Animation with Maya I 3 units
Prerequisite: None.
A course in the production of 3D graphics and animation using the industry standard software, Maya. 36 hours lecture and 72 hours laboratory.

ADM-68 - 3D Animation with Maya I 3 units
Prerequisite: None.
A course in the production of 3D graphics and animation using the industry standard software, Maya. 36 hours lecture and 72 hours laboratory.

ADM-69 - Motion Graphics and Compositing 3 units
Prerequisite: None.
This course focuses on the planning and methodology to design graphics for video and film, using Adobe After Effects. The students will develop an understanding of the principles of typography, type in motion, optical flow, animation, motion representation and perception. Focus will be on creative visual communication using appropriate and effective motion graphics. 36 hours lecture and 72 hours laboratory.
ADM-70 - Project Production and Portfolio 3 units
Prerequisite: ADM-I and 62.
Advisory: ADM-63A, 71, and/or 77A.
A study of professional production techniques through actual work on a variety of live District projects. Class experience will include working with the Printing and Graphics Center and clients with emphasis on quality control and meeting deadlines. This course will also include the production of a student portfolio suitable for job applications. 36 hours lecture and 72 hours laboratory.

ADM-71 - Adobe Photoshop 3 units
CSU
Prerequisite: None.
A comprehensive course in exploring the digital tools and techniques available for text handling, drawing and image editing. Includes instruction in: scanning, basic image manipulation, image importation and conceptual design as it applies to other media. 36 hours lecture and 72 hours laboratory.

ADM-72 - Advanced Photoshop 3 units
CSU
Prerequisite: ADM-71.
Development of advanced techniques to provide a deeper, clearer and more technical understanding of digital image creation, manipulation and output using Adobe Photoshop. 36 hours lecture and 72 hours laboratory.

ADM-74 - Dreamweaver for Graphic Designers 3 units
Prerequisite: None.
The focus of the course is web page creation and design to create websites with a professional appearance using Dreamweaver. 36 hours lecture and 72 hours laboratory.

ADM-77A - Adobe Illustrator 3 units
CSU
Prerequisite: None.
Instruction on the computer in the areas of graphic design, typography, and illustration using Adobe Illustrator. Includes the use of scanners. 36 hours lecture and 72 hours laboratory.

ADM-77B - Advanced Adobe Illustrator 3 units
CSU
Prerequisite: ADM-77A.
Advanced instruction in Adobe Illustrator tips and techniques to create professional quality illustrations. Focus is on designing more varied and creative complex illustrations, 3D and multimedia presentations, and web design. 36 hours lecture and 72 hours laboratory.

ADM-80 - Electronic Pre-press 3 units
CSU
Prerequisite: ADM-I and 63A.
Instruction in electronic pre-press techniques and procedures. Additional instruction is provided in scanning, color separations, proofing, PDF workflow, digital output and computer-to-plate. 36 hours lecture and 72 hours laboratory.

ADM-85 - Beginning Offset Presswork 3 units
Prerequisite: None.
Instruction in the setup and proper operation of offset duplicators. Students will work with both offset duplicators and digital imaging machines including wide format. Includes the use of general finishing equipment. 36 hours lecture and 72 hours laboratory.

ADM-86 - Advanced Offset Presswork and Finishing 3 units
CSU
Prerequisite: ADM-85.
This class offers advanced, practical experience in offset press and finishing techniques. It prepares students in production oriented practices such as large press operation, multiple color and close registration, and quality control techniques. 36 hours lecture and 72 hours laboratory.

ADM-88 - 3D Animation with Maya II 3 units
CSU
Prerequisite: ADM-68.
An advanced course in the production of 3D graphics and animation, using the industry standard software, Maya. 36 hours lecture and 72 hours laboratory.

ADM-200 - Applied Digital Media 1-2-3-4 units
Work Experience
CSU*
Prerequisite: None.
Advisory: Students should have paid or voluntary employment.
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)
ARA-1 - Arabic 1 5 units
UC*, CSU
Prerequisite: None.
This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of Classical Arabic in conjunction with Modern Standard Arabic as spoken in the Eastern Arabic countries and in Egypt. This course includes discussion of the Arabic world, culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ARA-2 - Arabic 2 5 units
UC, CSU
Prerequisite: ARA-1.
Further development of basic skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of classical Arabic in conjunction with Modern Standard Arabic as spoken in the Eastern Arabic countries and in Egypt. This course includes an expanded discussion of Arabic world, culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ARA-3 - Arabic 3 5 units
UC, CSU
Prerequisite: ARA-2.
Development of intermediate skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of Modern Standard Arabic and classical Arabic at the intermediate level. This course includes an expanded discussion of Arabic culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ARA-8 - Intermediate Conversation 3 units
UC, CSU
Prerequisite: ARA-2.
Intermediate-level vocabulary building and improvement of speaking proficiency in the context of Arabic culture, daily life, and topics of current interest. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ARA-11 - Culture and Civilization 3 units
UC, CSU
Prerequisite: None.
Introductory survey of Arabic culture and civilization as reflected in language, literature, art, history, politics, customs and social institutions. Class conducted in English. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-1 - History of Western Art: Prehistoric, Ancient, and Medieval 3 units
UC, CSU (C-ID ARTH 110)
Prerequisite: None.
Advisory: Qualification for ENG-IA.
Survey of the history of Western art: painting, architecture and sculpture, Prehistoric through the Medieval periods. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-2 - History of Western Art: Renaissance through Contemporary 3 units
UC, CSU (C-ID ARTH 120)
Prerequisite: None.
Advisory: Qualification for ENG-IA.
Survey of the history of Western art: painting, architecture, and sculpture, from the Renaissance through contemporary art. Students may not receive credit for both ART-2 and ART-2H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-2H - Honors History of Western Art: Renaissance through Contemporary 3 units
UC, CSU (C-ID ARTH 120)
Prerequisite: None.
Advisory: Qualification for ENG-IA.
Honors survey of the history of Western art: painting, architecture, and sculpture, from the Renaissance through contemporary art. Students may not receive credit for both ART-2 and ART-2H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-3 - Art for Teachers 3 units
CSU
Prerequisite: None.
Designed to enable the student to teach basic art principles and concepts to elementary school age children (grades K-6). Intended to improve individual skills, general knowledge and confidence in teaching art. Developmental stages, creative expression and various methods and techniques will be explored with age-appropriate art projects and experiences. Intended for education, Early Childhood Studies and other non-art majors. 36 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Materials fee: $10.00)

ART-4 - Introduction to Visual Culture 3 units
UC, CSU
Prerequisite: None.
Advisory: ENG-50 or qualification for ENG-IA.
A study of visual culture and society that includes an examination of the various ways reality is constructed through vision and sight in contemporary culture including explorations in traditional art, photography, advertising, film and television, and in global electronic media. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
ART-5 - History of Non-Western Art 3 units
UC, CSU
Prerequisite: None.
Advisory: Qualification for ENG-1A and college level reading.
An introductory survey of the arts of non-European cultures. History, form, functions and aesthetics will be discussed in an overview of the arts of the Americas (Pre-Columbian and North American Indian), Oceana, Islamic, Sub-Saharan Africa, Southeast Asia, China and Japan. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-6 - Art Appreciation 3 units
UC, CSU
Prerequisite: None.
Advisory: Qualification for ENG-1A.
An introductory course for the non-art major. The creative process and the diversity of style, technique and media evident in various art forms throughout history and culture. Students may not receive credit for both ART-6 and ART-6H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-6H - Honors Art Appreciation 3 units
UC, CSU
Prerequisite: None.
Advisory: Qualification for ENG-1A.
Limitation on enrollment: Enrollment in the Honors Program.
An introductory course designed for the non-art major. The creative process and the diversity of styles, technique and media evident in various art forms throughout history and culture. Honors course offers an enriched experience for accelerated students through limited class size; seminar format; focus on primary texts; and application of higher level critical thinking skills. Students may not receive credit for both ART-6 and ART-6H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-7 - Women Artists in History 3 units
UC, CSU
Prerequisite: None.
Advisory: Qualification for ENG-1A.
Survey of the contributions of women artists from the ancient era through the present. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-8 - Mexican Art History 3 units
UC, CSU
Prerequisite: None.
Survey of architecture, sculpture, painting, and minor arts of Mexico. From pre-Columbian and Colonial, through contemporary art. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-9 - African Art History 3 units
UC, CSU
Prerequisite: None.
A survey of the traditional through contemporary arts of African peoples. Both historical and current expressions of sculpture, body adornment, dance, architecture, painting, artifacts, ceramics and textiles, will be introduced and integrated with other aspects of life and culture in sub-Saharan Africa. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-10 - Modern and Contemporary Art History 3 units
UC, CSU
Prerequisite: None.
A survey of the development and history of modern art with emphasis on its major movements, leading artists and contemporary trends. Painting, sculpture and architecture will be discussed in terms of their historical, social and political context. Beginning with mid-19th century movements (Realism and Impressionism), the study will continue through the current trends and new media of the day. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-11 - Gallery and Exhibition Design 3 units
CSU
Prerequisite: None.
Practical experience in all aspects of design and installation of art exhibits in a gallery environment; including design theory and the evaluation and analysis of the communicative, aesthetic, managerial and technical factors involved in the production of exhibits. Students are expected to pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-12 - Asian Art History 3 units
UC, CSU (C-ID ARTH 130)
Prerequisite: None.
A survey of the history of Asian art (China, Japan, Korea and India) from prehistoric times to the present, including the religious and philosophical influence on the development of the art forms of architecture, sculpture, ceramics, painting and minor arts. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-13 - Pre-Columbian Art History 3 units
UC, CSU (C-ID ARTH 145)
Prerequisite: None.
Advisory: Qualification for ENG-1A.
A survey of the visual arts of ancient Mesoamerica and the Andes from 2000 BC-AD 1521 including the Maya, the Aztecs, and the Inca. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-14 - Latin American Art: Colonial to the Present 3 units
UC, CSU
Prerequisite: None.
Advisory: Qualification for ENG-1A.
Survey of architecture, sculpture, painting, and minor arts of Latin American countries from Colonial times through contemporary art. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
ART-15 - Beginning Ceramics  
3 units  
UC*, CSU

Prerequisite: None.

An introduction to ceramic art and pottery making. Handbuilt slab, coil and wheel throwing with emphasis on design, technique, craftsmanship, form, function and decoration. Students pay for their own materials. ART-15, 16 and 47 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Materials fee: $15.00)

ART-16 - Intermediate Ceramics  
3 units  
UC, CSU

Prerequisite: ART-15.

An expansion and refinement of the skills learned and explored in Beginning Ceramics. Projects of greater scope, challenge and complexity will encourage personal artistic development and creativity. Students pay for their own materials. ART-15, 16 and 47 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Materials fee: $15.00)

ART-17 - Beginning Drawing  
3 units  
UC, CSU (C-ID ARTS 110)

Prerequisite: None.

An introduction to the fundamentals of drawing in a variety of media. The exploration of the elements of art, the principles of composition, perspective and the development of observational, motor and creative skills. Emphasis will be on black and white media. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-18 - Intermediate Drawing  
3 units  
UC, CSU (C-ID ARTS 205)

Prerequisite: ART-17.

Intermediate level and continued study of drawing with emphasis on the use of color media. Basic color theory, will be explored in thoughtful compositions. Students pay for their own materials. ART-18, 26 and 27 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-19 - Experimental Drawing  
3 units  
UC, CSU

Prerequisite: ART-17.

Continued study of many of the skills acquired in Beginning Drawing. Emphasis is on the use of experimental methods and materials. Less attention will be directed toward traditional and fundamental academic concerns and more focus will be placed on the cultural, interpretive, psychological, and conceptual possibilities that result from exploration and engaging alternatives. The art elements, color, composition, mark making, mixed media, expression, concept, and context will all be investigated. Students will be encouraged to explore and access less conventional solutions to a variety of projects. ART-19 and 23 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-20 - Beginning Sculpture  
3 units  
UC, CSU

Prerequisite: None.

An introduction to the fundamentals of sculpture design and creation. A variety of materials, such as clay, wax and plaster will be used. Additive, subtractive and construction methods for creating the sculptural pieces will be explored, as well as other traditional and contemporary forms and techniques. Students pay for their own materials. ART-20, 21 and 46 are courses related in content and are limited to four enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Materials fee: $15.00)

ART-21 - Intermediate Sculpture  
3 units  
UC, CSU

Prerequisite: ART-20.

An expansion and refinement of the skills and techniques learned in Beginning Sculpture. Emphasis will be on improved design, better craftsmanship, originality and critical assessment. A variety of methods, such as clay, wax and plaster will be used. Additive, subtractive and construction methods for creating the sculptural pieces will be explored, as well as other traditional and contemporary forms and techniques. Students pay for their own materials. ART-20, 21 and 46 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Materials fee: $15.00)
ART-22 - Basic Design  3 units
UC, CSU (C-ID ARTS 100)
Prerequisite: None.
An introduction to the fundamentals of two-dimensional design. The organization of visual elements according to the principles of design. Emphasis placed on visual perception, theory, dexterity, problem solving, analysis, application, skill and presentation. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-23 - Design and Color  3 units
UC, CSU (C-ID ARTS 270)
Prerequisite: ART-17 or 22.
A continued study of the principles of two-dimensional design. The practice of the organization of the visual elements (line, shape, space, value, texture and color) according to the principles of design. Emphasis placed on color theory and more advanced methods of communicating ideas through design. Students pay for their own materials. ART-19 and 23 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-24 - Three Dimensional Design  3 units
UC, CSU (C-ID ARTS 101)
Prerequisite: None.
An introduction to the fundamentals of three-dimensional design. The use of the visual elements and the practice of the principles of design as they relate to various three-dimensional art forms (i.e., sculpture, architecture and product, commercial, stage, environmental and interior design). Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Materials fee: $15.00)

ART-25A - Watercolor-Beginning  3 units
UC, CSU
Prerequisite: ART-17.
Course work that reflects the fundamentals of painting with transparent watercolors at an introductory level. Basic techniques, tools, and materials will be explored. Composition, idea, method, color, and creativity will be examined. Students pay for their own materials. ART-25A, 25B, and 45 are courses related in content and are limited in enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-25B - Watercolor-Intermediate  3 units
UC, CSU
Prerequisite: ART-25A.
Course work that reflects an intermediate-level of painting with transparent watercolors. Non-traditional methods, various techniques, tools, and materials will be explored. Intermediate concepts of composition, idea, method, color, and creativity will be examined. Students pay for their own materials. ART-25A, 25B, and 45 are courses related in content and are limited in enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-26 - Beginning Painting  3 units
UC, CSU (C-ID ARTS 210)
Prerequisite: ART-17.
An introduction to the fundamentals of painting (oil or acrylic). An exploration of various considerations in painting; techniques, process, color theory, visual perception, composition, and creative skills. Students pay for their own materials. ART-18, 26 and 27 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-27 - Intermediate Painting  3 units
UC, CSU
Prerequisite: ART-23 or 26.
Intermediate level of painting (oil or acrylic). Continued exploration of various techniques and the application of color theory. Development of visual compositional, and creative skills. Students pay for their own materials. ART-18, 26 and 27 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-28A - Studio Painting-Portfolio Preparation  3 units
UC, CSU
Prerequisite: ART-27.
Independent painting studio for the self-motivated student with emphasis on individual art problems and portfolio development. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Emphasis will be on independent concept, development, and portfolio preparation. ART-28A, 28B, 48A, and 48B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)
ART-28B - Studio Painting-Portfolio Presentation  3 units  
UC, CSU  
Prerequisite: ART-28A.  
Independent painting studio for the self-motivated student with emphasis on individual art problems, portfolio development and presentation. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Emphasis will be on independent concept, refinement, and portfolio presentation. Students pay for their own materials. ART-28A, 28B, 48A, and 48B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-30A - Printmaking-Introduction  3 units  
UC, CSU  
Prerequisite: None.  
Introduction to the printmaking studio and the design and creation of original prints using a variety of techniques. Methods such as silkscreen, monotype, relief (woodcut, linoleum), intaglio and others will be explored. Students pay for their own materials. ART-30A, 30B, 49A, and 49B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Materials fee: $15.00)

ART-30B - Printmaking-Intermediate  3 units  
UC, CSU  
Prerequisite: ART-30A.  
Intermediate level of printmaking. The design and creation of original prints using a variety of techniques as student progress in the art form. Methods such as silkscreen, monotype, relief (woodcut, linoleum), intaglio and others will be explored. Students pay for their own materials. ART-30A, 30B, 49A, and 49B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Materials fee: $15.00)

ART-34 - Studio Three Dimensional Design  3 units  
UC, CSU  
Prerequisite: ART-24.  
Continued three dimensional design studio work with emphasis on individual problems for the self-motivated student. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Materials fee: $15.00)

ART-35A - Illustration-Beginning  3 units  
UC, CSU  
Prerequisite: ART-17.  
Advisory: ART-23 or 26.  
Course work that reflects the types of entrance level assignments an illustrator may encounter in the industry, using a variety of traditional media and techniques. Emphasis is placed on the evolutionary development of visual ideas. Students pay for their own materials. ART-35A, 35B, and 38 are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-35B - Illustration-Intermediate  3 units  
UC, CSU  
Prerequisite: ART-35A.  
Advisory: ART-23 or 26.  
Course work that reflects the types of entrance level assignments an illustrator may encounter in the industry, using a variety of traditional media and techniques. Emphasis is placed on the evolutionary development of visual ideas. Students pay for their own materials. ART-35A, 35B, and 38 are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-36A - Computer Art-Introduction  3 units  
UC, CSU  
Prerequisite: None.  
Introduction to creating fine art and design using digital media. The exploration of the visual characteristics of electronic imagery with emphasis on the essentials of fine art, design, and creative problem solving. Artwork will be developed using the computer, related software, and/or other electronic equipment. Students pay for their own materials. ART-36A and 36B are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-36B - Computer Art-Intermediate  3 units  
UC, CSU  
Prerequisite: ART-36A.  
Intermediate level of creating fine art and design using digital media. The continuation of the exploration of electronic imagery with emphasis on the essentials of fine art, design, and creative problem solving. Artwork will be developed using the computer, related software, and/or other electronic equipment. Students pay for their own materials. ART-36A and 36B are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)
ART-38 - Studio Illustration  3 units
CSU
Prerequisite: ART-35A.
Continued illustration studio work with emphasis on individual problems for the self-motivated student. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Students are expected to pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-39 - Design and Graphics  3 units
CSU
Prerequisite: None.
Advisory: ART-17, 22 or 35A.
Fundamental design methodology for visual communication. Exploration of design principles in advertising and layout design. Type and lettering creation and techniques, corporate imagery and portfolio preparation. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-40A - Figure Drawing-Introduction  3 units
UC, CSU (C-ID ARTS 200)
Prerequisite: ART-17.
Introduction to drawing the human figure. Students will draw from a nude model using a variety of media. Students pay for their own materials. ART-40A, 40B, 42A, and 42B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-40B - Figure Drawing-Intermediate  3 units
UC, CSU
Prerequisite: ART-40A.
Intermediate level of drawing the human figure where emphasis will be on more developed and accurate figurative work, anatomy, improved composition, and further creative exploration. Students will draw from a nude model using a variety of media. Students pay for their own materials. ART-40A, 40B, 42A, and 42B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-41A - Figure Painting-Introduction  3 units
UC, CSU
Prerequisite: ART-26 or 40A.
Introduction to painting from the human figure. Students will paint from a nude model using a variety of methods and materials. Students pay for their own materials. ART-41A, 41B, 43A, and 43B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-41B - Figure Painting-Intermediate  3 units
UC, CSU
Prerequisite: ART-41A.
Intermediate level of figure painting, with further development and refinement of painting compositions with the human form. Students will draw and paint from a nude model using a variety of methods and materials. Students pay for their own materials. ART-41A, 41B, 43A, and 43B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-42A - Studio Figure Drawing- Portfolio Preparation  3 units
Portfolio Presentation
UC, CSU
Prerequisite: ART-40B.
Continued figure drawing studio work for the self-motivated student, with emphasis on individual problems. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Emphasis will be on independent development and portfolio preparation. Students pay for their own materials. ART-40A, 40B, 42A, and 42B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-42B - Studio Figure Drawing- Portfolio Presentation  3 units
Portfolio Preparation
UC, CSU
Prerequisite: ART-42A.
Continued independent figure drawing studio for the self-motivated student with emphasis on refinement of individualized problems and portfolio presentation. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Students pay for their own materials. ART-40A, 40B, 42A, and 42B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)
ART-43A - Studio Figure Painting-Portfolio Preparation  
3 units 
UC, CSU  
**Prerequisite:** ART-41B.  
Continued figure painting studio work for the self-motivated student with emphasis on individual art problems. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Emphasis will be on independent concept, development, and portfolio preparation. Students pay for their own materials. ART-41A, 41B, 43A, and 43B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-43B - Studio Figure Painting-Portfolio Presentation  
3 units 
UC, CSU  
**Prerequisite:** ART-43A.  
Continued figure painting studio work for the self-motivated student, with emphasis on individual art problems, independence, and portfolio refinement and presentation. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Students pay for their own materials. ART-41A, 41B, 43A, and 43B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-44A - Beginning Animation Principles  
3 units 
UC, CSU  
**Prerequisite:** ART-17.  
**Advisory:** ART-22 and 40A.  
Introduction to animation, including the history and the basic concepts of classical animation. Traditional methods such as flip books, storyboards, sequential drawings, layout design, character design, and concept development will be introduced. Students pay for their own materials. ART-44A, 44B, and 44C are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-44B - Intermediate Animation Principles  
3 units 
UC, CSU  
**Prerequisite:** ART-44A.  
**Advisory:** ART-22 and 40A.  
Intermediate level of animation principles where emphasis will be on more developed animation techniques and exercises of classical animation. Traditional methods such as flip books, storyboards, sequential drawings, layout design, character design, and concept development will be continued. Students pay for their own materials. ART-44A, 44B, and 44C are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-44C - Advanced Animation Principles  
3 units 
UC, CSU  
**Prerequisite:** ART-44B.  
**Advisory:** ART-22 and 40A.  
Advanced animation principles with emphasis on portfolio-ready traditional animation and experimental animation methods. Developed traditional methods such as flip books, storyboards, sequential drawings, layout design, character design, and concept development will be continued. Students pay for their own materials. ART-44A, 44B, and 44C are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-45 - Studio Watercolor Painting  
3 units 
UC, CSU  
**Prerequisite:** ART-25A.  
Continued watercolor studio work with emphasis on individual problems for the self-motivated student. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Students pay for their own materials. ART-25A, 25B, and 45 are courses related in content and are limited in enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-46 - Studio Sculpture  
3 units 
UC, CSU  
**Prerequisite:** ART-21.  
Continued studio work in sculpture with emphasis on individual problems for the self-motivated student. Students pay for their own materials. ART-20, 21 and 46 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Materials fee: $15.00)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Description</th>
<th>Units</th>
<th>Prerequisites</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>ART-47</td>
<td>Studio Ceramics</td>
<td>3</td>
<td>UC, CSU</td>
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<td>Prerequisite: ART-16.</td>
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<td>Continued studio work in ceramics with emphasis on individual problems for the self-motivated student. Students pay for their own materials. ART-15, 16 and 47 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Materials fee: $15.00)</td>
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<tr>
<td>ART-48A</td>
<td>Studio Drawing-Portfolio Preparation</td>
<td>3</td>
<td>UC, CSU</td>
<td>Prerequisite: ART-18.</td>
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<td>Continued studio drawing for the self-motivated student with emphasis on planning, independence, individualized problems, and portfolio organization and preparation. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Students pay for their own materials. ART-28A, 28B, 48A, and 48B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)</td>
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<tr>
<td>ART-48B</td>
<td>Studio Drawing-Portfolio Presentation</td>
<td>3</td>
<td>UC, CSU</td>
<td>Prerequisite: ART-48A.</td>
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<td>Continued studio drawing for the self-motivated student with emphasis on refinement of individualized problems and portfolio presentation. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Students pay for their own materials. ART-28A, 28B, 48A, and 48B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)</td>
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<tr>
<td>ART-49A</td>
<td>Studio Printmaking-Portfolio Preparation</td>
<td>3</td>
<td>UC, CSU</td>
<td>Prerequisite: ART-30B.</td>
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<td>Independent printmaking studio for the self-motivated student with emphasis on selected processes, individual problems, refinement, and portfolio presentation. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Students pay for their own materials. ART-30A, 30B, 49A, and 49B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Materials fee: $15.00)</td>
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<tr>
<td>ART-49B</td>
<td>Studio Printmaking-Portfolio Presentation</td>
<td>3</td>
<td>UC, CSU</td>
<td>Prerequisite: ART-49A.</td>
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<tr>
<td></td>
<td>Independent printmaking studio for the self-motivated student with emphasis on selected processes, individual problems, refinement, and portfolio presentation. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Students pay for their own materials. ART-30A, 30B, 49A, and 49B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Materials fee: $15.00)</td>
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<tr>
<td>ART-50A</td>
<td>Beginning Storyboarding</td>
<td>3</td>
<td>UC</td>
<td>Prerequisite: ART-17.</td>
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<td>Introduction to storyboarding with animation principles. Basic concepts of writing and directing for animation, dialogue and story development will be explored in making basic story reel structure. Students pay for their own materials. ART-50A, and 50B are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)</td>
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<tr>
<td>ART-50B</td>
<td>Intermediate Storyboarding</td>
<td>3</td>
<td>UC</td>
<td>Prerequisite: ART-50A.</td>
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<td>Intermediate level of storyboarding with animation principles where emphasis will be on developed cinematic storytelling techniques and compositions. More developed concepts of writing and directing for animation, dialogue and story development will be explored in making a story reel with a linear computer editing. Students pay for their own materials. ART-50A, and 50B are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)</td>
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<tr>
<td>ART-51A</td>
<td>Beginning Animation Production</td>
<td>3</td>
<td>UC, CSU</td>
<td>Prerequisite: ART-17.</td>
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<td>Introduction to animation production pipeline and film-making with animation principles. The story structure, visual design elements and film languages will be explored. Students will be assigned a short film project parallel to completing animation exercise assignments. Students pay for their own materials. ART-51A, and 51B are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)</td>
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ART-51B - Intermediate Animation Production  3 units
UC, CSU
Prerequisite: ART-51A.
Advisory: ART-22 and 40A.
Intermediate level of animation production pipeline and filmmaking with animation principles. More developed story structure, visual design elements and film languages will be explored. Students will be assigned a short film project parallel to completing animation exercise assignments. Students pay for their own materials. ART-51A, and 51B are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-200 - Art Work Experience  1-2-3-4 units
CSU*
Prerequisite: None.
Advisory: Students should have paid or voluntary employment.
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

ASTRONOMY

AST-1A - Introduction to the Solar System  3 units
UC, CSU
Prerequisite: None.
Advisory: REA-82 or qualifying placement level and MAT-35.
A journey through the fundamental principles of astronomy specifically focused on the observed motions of the night sky, historical developments of astronomical theory, and the scientific principles explaining the physical characteristics and formation of the solar system. Part one of two courses which complete the fundamental knowledge base for astronomy. 54 hours lecture.

AST-1B - Introduction to the Stars and Galaxies  3 units
UC, CSU
Prerequisite: AST-1A.
A journey through the fundamental principles used to describe the sun, stars, galaxies and the universe as a whole. Description of observational measurements, determination of the physical properties and the theoretical predictions of stellar evolution, properties of; black holes, neutron stars, supernovae, quasars. Classification of, and determination of physical properties of galaxies and cosmology are covered as well. Part two of two courses that complete the fundamental knowledge base for astronomy. 54 hours lecture.

AUTOMOTIVE BODY TECHNOLOGY

AUB-1 - Survey of Automotive Body Technology  4 units
CSU
Prerequisite: None.
A survey course designed to provide a general introduction, review, and orientation to the automotive repair industry, including safety procedures, tools, maintenance, supplies, and repair of damaged automotive vehicles. 36 hours lecture and 108 hours laboratory.

AUB-50 - Introduction to Automotive  4 units
Collision Repair
Prerequisite: None.
Automotive collision damage repair theory and practical application with emphasis on the proper use of hand and power tools, spray equipment, refinishing materials, surface preparation, and shop safety awareness and practice. 36 hours lecture and 108 hours.

AUB-51 - Automotive Non-Structural Collision Repair and Estimating  4 units
Prerequisite: None.
Advisory: AUB-50.
Designed to teach students basic skills and processes to repair non-structural components of automotive bodies, as well as an introduction to writing estimates for the cost of labor and materials associated with the collision repair. 36 hours lecture and 108 hours laboratory.

AUB-52 - Automotive Refinishing and Paint  4 units
Prerequisite: None.
Advisory: AUB-50.
Theory and practice in the art of automotive refinishing with emphasis on paint preparation, partial and complete vehicle painting, single and multiple stage paint application, color-sand and buffing. 36 hours lecture and 108 hours laboratory.

AUB-53 - Automotive Collision Repair Special Projects  4 units
Prerequisite: AUB-50.
A special projects class for students who need in-depth experiences in a particular auto body discipline. Course provides students with an opportunity for additional skill and competency development within the subject matter. 36 hours lecture and 108 hours laboratory.

AUB-54 - Structural Collision Repair and Frame  4 units
Prerequisite: None.
Advisory: AUB-50.
Theory and application of techniques associated with the repair of severe collision damage by measuring and straightening the various types of frame structures of modern vehicles. 36 hours lecture and 108 hours laboratory.
AUB-55 - Automotive Advanced Refinishing and Custom Paint
**Prerequisite:** AUB-52.

Designed for students who have prior knowledge of automobile refinishing techniques. Course includes advanced refinishing techniques, procedures, and materials including multicolored schemes, air brush, pinstripes, candy and translucent finishes. 36 hours lecture and 108 hours laboratory.

AUB-56 - Automotive Technology for the Automotive Collision Specialist
**Prerequisite:** None.

Advisory: AUB-50.

Designed to give the automotive collision repair technician basic knowledge of mechanical principles needed to properly complete all repairs after collision damage. Areas of emphasis consist of, but not limited to, electricity, brakes, suspension and steering, and air conditioning. 45 hours lecture and 81 hours laboratory.

AUB-57 - Antique and Classic Auto Restoration and Fabrication
**Prerequisite:** AUB-50.

Processes and techniques for the restoration and fabrication of the exterior body of antique, classic and custom vehicles. Includes the theory and practice of metal shaping techniques, metal forming, metal shrinking and stretching, planishing as well as the design and utilization of paper patterns, molds, and bucks. 36 hours lecture and 108 hours laboratory.

AUB-59A - Automotive Collision Service and Repair
**Prerequisite:** AUB-50.

Principles of service and repair procedures relating to an automotive collision repair program with emphasis on structural and non-structural collision repair laboratory experience. 108 hours laboratory.

AUB-59B - Automotive Collision Service and Repair
**Prerequisite:** AUB-52.

Principles of service and repair procedures relating to an automotive collision repair program with emphasis on refinishing and paint repair laboratory experience. 108 hours laboratory.

AUB-60 - Automotive Trim and Upholstery, I
**Prerequisite:** None.

This course is designed to be an adjunct to the Automotive Body Technology Program, to provide the student with an introduction to automotive trim and upholstery. Course to include adequate safety procedures, use of tools, basic sewing (machine and hand stitching), pattern layout, work bench seat tear down procedure of upholstery. Introduction to door trimming, side panels and headlining repair and installation. 36 hours lecture and 108 hours laboratory.

AUB-61 - Automotive Trim and Upholstery, II
**Prerequisite:** AUB-60.

This course is designed to supplement the Automotive Body Technology Program, and will provide the student with a concentrated training block to perfect basic techniques of Automotive Trim and Upholstery I. This will include pattern design and layout of seat upholstery, door paneling and door trimming, layout, cutting, trimming and design if required, for headliners made of various materials. 36 hours lecture and 108 hours laboratory.

AUB-70 - Automotive Cooperative Training Entry
**Prerequisite:** None.

Limitation on enrollment: Successful application to the ABCT program and sponsorship by an automotive body repair shop.

Designed as the first course in a series to prepare the student for employment as an auto body technician. Instruction in this course and others of the series is based on Inter Industry Conference on Automotive Collision Repair training curriculum. Students will learn safety procedures, tools, metal straightening and shrinking, parts replacement and alignment, body filler uses and the application of trim and hardware. 72 hours lecture and 162 hours laboratory.

AUB-71 - Automotive Cooperative Training Intermediate
**Prerequisite:** AUB-70.

Limitation on enrollment: Sponsorship by an automotive body repair shop.

This course presents the fundamentals and skills necessary to replace parts through cutting, MIG welding, plastic welding and adhesive bonding. Sheet metal, plastic and glass parts are included. Special emphasis will be placed on the removal, alignment, structural integrity and corrosion protection of replacement parts. 72 hours lecture and 162 hours laboratory.

AUB-72 - Automotive Cooperative Training Refinishing
**Prerequisite:** AUB-71.

Limitation on enrollment: Sponsorship by an automotive body repair shop.

This course presents the ADVANCE-TECH theories and practices of automotive refinishing. Emphasis is placed on paint preparation, tinting, application, blending, defects, safety and environmental practices. 36 hours lecture and 108 hours laboratory.

AUB-73 - Automotive Cooperative Training Advanced
**Prerequisite:** AUB-72.

Limitation on enrollment: Sponsorship by an automotive body repair shop.

This advanced course presents the fundamentals and skills necessary for collision estimating and repair of heavily damaged vehicles. Special emphasis is placed on measuring, gauging and structural integrity of the vehicle. Frame straightening and body pulling is included. 72 hours lecture and 162 hours laboratory.
AUB-74 - Automotive Cooperative Training Mechanical 7 units  
Prerequisite: AUB-73.  
Limitation on enrollment: Sponsorship by an automotive body repair shop.  
This course presents the fundamentals and practices of repairing collision damaged automotive mechanical and electrical systems.  
Instruction covers steering, suspension, electrical, cooling, brake, restraint, fuel and exhaust systems. 72 hours lecture and 162 hours laboratory.

AUB-200 - Automotive Body Work Experience 1-2-3-4 units  
CSU*  
Prerequisite: None.  
Advisory: Students should have paid or voluntary employment.  
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills.  
Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged.  
18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

AUTOMATIC TECHNOLOGY

AUT-30 - Ford Minor Services and Shop Practices 2 units  
Prerequisite: None.  
An introduction to auto shop safety, auto shop practices, automotive dealership operation and minor service of Ford, Lincoln/Mercury and Mazda vehicles, including wind noise and water leaks. Also includes an overview of the various career ladders and divisions of Ford Motor Company and dealership operations. The course prepares students for entry-level employment at Ford, Lincoln/Mercury and Mazda automotive dealerships. 27 hours lecture and 27 hours laboratory.

AUT-40 - Ford Electrical Systems-MLR 4 units  
(Maintenance and Light Repair)  
Prerequisite: None.  
This course presents the fundamentals of Ford electrical and electronic systems operation. The service of Ford starters, alternators, lighting systems and electrical accessories will be introduced. This course also examines the operation of Ford’s automotive computer controls systems. The correct use of Ford’s specific scanners are also covered along with electrical and computer system simulators and circuit breadboards. Special emphasis will be placed on diagnosing and troubleshooting electrical system concerns using Ford methods and tools. 54 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

AUT-41 - Ford Advanced Electronics MLR 3.5 units  
Prerequisite: AUT-40.  
This course examines in-depth the operation of Ford automotive computer controls as they relate to specific electronic systems. Laboratory oscilloscopes, digital meters, and Ford’s advanced diagnostic tools will be used throughout the course. The emphasis of the course is to apply the acquired information to the computer systems found on Ford and Lincoln/Mercury vehicles and to enable the students to diagnose and repair today’s computer laden vehicles. 45 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

AUT-42 - Ford Heating and Air Conditioning MLR 4 units  
Prerequisite: AUT-40.  
This course presents Ford climate control system operation and repair, both base and electronic controls systems. Compressor service and refrigerant recovery and recycling are included. Emphasis will be placed on the diagnosis of climate control system performance concerns using Ford-approved test equipment. 54 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

AUT-43 - Ford Automotive Brakes MLR 3.5 units  
Prerequisite: AUT-40.  
This course presents the principles of Ford brake system (hydraulic and electronic, with and without anti-lock) operation and repair, including brake system overhaul and machining operations. Emphasis will be placed on the diagnosis of brake system concerns using Ford’s test methods and equipment. 45 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

AUT-44 - Ford Suspension MLR 4 units  
Prerequisite: AUT-40.  
This course presents the fundamentals of Ford car and light truck suspension and steering system operation and repair, including base and electronically controlled systems. Wheel alignment service and tire balancing will also be covered. Emphasis will be placed on the diagnosis of steering and suspension system performance concerns using Ford testing methods and equipment. 54 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

AUT-45 - Ford MLR Automotive Chassis Systems 4 units  
Prerequisite: AUT-40.  
This course presents the principles of operation, diagnosis, and repair of the brake system, the suspension and steering system, and the climate control system. The course content includes hydraulic, mechanical, and electronic operation and repair, as well as brake system overhaul and service operations. Additionally, it presents the fundamentals of suspension and steering system operation and repair, including base and electronically controlled systems. Wheel alignment service and tire balancing will also be covered. Furthermore, the course will include climate control fundamentals. Emphasis will be placed on the diagnosis of brake system concerns, as well as the diagnosis of steering and suspension system performance concerns, and climate control concerns using Ford testing methods and equipment. 54 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option.)
AUT-50 - Automotive Principles 4 units

CSU
Prerequisite: None.
General theory, principles and service procedures relating to an introduction to automotive maintenance with emphasis being placed upon component identification, basic functions, minor maintenance and service. 72 hours lecture.

AUT-51A - Internal Combustion Engines 4 units
Rebuilding, Gas and Diesel (Upper End)
Prerequisite: AUT-50.
Theory and principles of operation with emphasis on engine mechanical diagnosis, engine disassembly, rebuilding, reassembly and related service of upper end engine components for both gas and diesel engines. 45 hours lecture and 81 hours laboratory.

AUT-51B - Internal Combustion Engines 4 units
Rebuilding, Gas and Diesel (Lower End)
Prerequisite: AUT-50.
Theory and principles of operation with emphasis on engine mechanical diagnosis, engine disassembly, rebuilding, reassembly and related service of lower end engine components for both gas and diesel engines. 45 hours lecture and 81 hours laboratory.

AUT-52A - Automotive Tune-up and Electrical Systems 4 units
Prerequisite: AUT-50.
Theory and principles of automotive tune-up procedures and electrical systems with emphasis placed upon basic introductory training. Methods of trouble diagnosis in charging, ignition, and electrical systems. 45 hours lecture and 81 hours laboratory.

AUT-52B - Automotive Tune-up and Emission Controls 4 units
Prerequisite: AUT-52A and 54 or ASE passing tests in Automotive Electrical Systems and Engine Performance or one year full time paid professional experience in the automotive engine performance tune-up area.
Theory and principles of automotive tune-up procedures with emphasis placed upon electronic diagnosis, exhaust gas analysis, and dynamometer operation. 45 hours lecture and 81 hours laboratory.

AUT-53A - Automotive Chassis and Alignment 4 units
Prerequisite: AUT-50 or AUB-50.
Theory and principles of automotive chassis components with emphasis placed upon malfunction, abnormal wear diagnosis and correction procedures. 45 hours lecture and 81 hours laboratory.

AUT-53B - Automotive Brakes 4 units
Prerequisite: AUT-50.
Theory and principles of automotive brake systems with emphasis placed upon malfunction, abnormal wear diagnosis and correction procedures. 45 hours lecture and 81 hours laboratory.

AUT-54 - Automotive Electrical Systems 4 units
Prerequisite: Concurrent enrollment in or prior completion of AUT-50.
Theory and principles of automotive electrical and electronic systems. Course content will include multi-meter operation, component location, and reading wiring diagrams. Emphasis will be placed on diagnosis and repair of automotive electrical and electronic systems. 45 hours lecture and 81 hours laboratory.

AUT-55A - Automotive Automatic Transmission/Transaxles 4 units
Prerequisite: AUT-50.
Theory and principles of operation of the automobile automatic transmissions and transaxles with emphasis on trouble diagnosis, complete disassembly, repair and testing. 45 hours lecture and 81 hours laboratory.

AUT-56 - Automotive Computer Controls 3 units
Prerequisite: AUT-52A or ASE Certification in engine performance or electrical systems.
Theory and principles of automotive computer controlled systems. This course will include the diagnosis of computer systems and the repair with emphasis placed on related emission and electrical component evaluation. 36 hours lecture and 54 hours laboratory.

AUT-57 - Automotive Heating and Air Conditioning 4 units
Prerequisite: AUT-50.
Theory and principles of automotive heating and air conditioning with emphasis on component identification, trouble diagnosis, and general service. 45 hours lecture and 81 hours laboratory.

AUT-58 - Automotive Diesel Mechanics 4 units
Prerequisite: AUT-50.
This is an in-depth course in automotive diesel repair for students working toward a career in automotive diesel technology. It is designed to familiarize the student in the history, construction, operation and repair/adjustment of the operating components of the automotive diesel engine. 45 hours lecture and 81 hours laboratory.

AUT-59ABCD - Automotive Service 1 unit
Prerequisite: None.
Limitation on enrollment: Concurrent enrollment in Automotive Technology Program.
Principles of service procedures relating to an automotive maintenance program with emphasis being placed upon a laboratory experience to include a minimum of 54 hours per semester and a maximum of 216 hours per semester. (Letter Grade or Pass/No Pass option.)
AUT-71 - Ford Electrical and Electronics Systems 4 units
Prerequisite: None.
This course presents the fundamentals of electrical and electronic systems found in Ford Motor Company vehicles. Includes the use of electrical and electronic system simulators, laboratory oscilloscopes, digital meters and advanced diagnostic tools. Emphasis is on the diagnosis and troubleshooting of electrical and electronic system concerns using Ford-approved and recommended testing methods and equipment. Students will be able to apply the acquired information to the computer systems found on Ford, Lincoln/Mercury and Mazda vehicles, for the diagnosis and repair of major automotive electrical and electronic system components. 54 hours lecture and 54 hours laboratory.

AUT-72 - Ford Applied Electronics 4 units
Prerequisite: AUT-71 or 40.
Limitation on enrollment: Sponsorship by a Ford, Lincoln/Mercury, or Mazda dealership, or approved Ford repair facility.
This course examines in-depth the operation of Ford automotive computer controls as they relate to specific body electronic systems, as well as the climate control system operation and repair, both base and electronic controls systems. Laboratory oscilloscopes, digital meters, and Ford’s advanced diagnostic tools will be used throughout the course. The emphasis of the course is to apply the acquired information to the computer systems found on Ford and Lincoln/Mercury and selected Mazda vehicles and to enable the students to diagnose and repair today’s computer laden vehicles. Included in this course is the diagnosis of climate control system performance concerns using Ford-approved test equipment. 54 hours of lecture and 54 hours of laboratory.

AUT-73 - Ford Engine Performance 8 units
Prerequisite: AUT-71 or 40.
Limitation on enrollment: Sponsorship by a Ford, Lincoln/ Mercury, or Mazda dealership, or approved Ford repair facility.
This course presents the operation, diagnosis, and analysis of the ignition, exhaust, emission, fuel, air injection and the On-board computer management system, including the advanced drivability diagnosis of the electronic engine control systems. Emphasis will be placed on using specialized test equipment and shop manuals for the diagnosis of drivability concerns related to these systems. 108 hours lecture and 108 hours laboratory.

AUT-74 - Ford Brakes, Steering, and Suspension Systems 4 units
Prerequisite: None.
This course presents the principles of the brake system, including hydraulic and mechanical operation and repair, as well as brake system overhaul and service operations. It also presents the fundamentals of the suspension and the steering systems operation and repair. Wheel alignment service and tire balancing will also be covered. Emphasis will be placed on the diagnosis of brake system concerns, as well as the diagnosis of steering and suspension system performance concerns using Ford testing methods and equipment. 54 hours lecture and 54 hours laboratory.

AUT-75 - Ford Engine Repair 4 units
Prerequisite: None.
This course introduces the operation and repair of gasoline engines including disassembly, inspection, measurement, and reassembly of gasoline engines. Emphasis will be placed on diagnosing and troubleshooting internal engine, lubrication, and cooling system concerns using Ford test equipment and methods. 54 hours lecture and 54 hours laboratory.

AUT-76 - Ford Advanced Chassis Systems 4 units
Prerequisite: AUT-71 or 40.
Limitation on enrollment: Sponsorship by a Ford, Lincoln/Mercury, or Mazda dealership, or approved Ford repair facility.
This course presents the principles of Anti-lock brake, Ride Control, directional stability control, and electronic power steering assist systems. Emphasis will be placed on the diagnosis of advanced brake system concerns, as well as the diagnosis of advanced steering and suspension system concerns using Ford-approved and recommended testing methods and equipment. 54 hours lecture and 54 hours laboratory.

AUT-77 - General Motors Heating and Air Conditioning 4 units
Prerequisite: None.
This course serves as an important introduction to the GM (ASEP) Pre-Delivery Inspection, GM diagnostic and service information. Students will be able to apply the acquired information to the computer systems found on GM vehicles in the diagnosis and repair today’s computer laden vehicles. Includes the use of electrical and electronic systems. Includes the use of electrical and electronic system simulators, laboratory oscilloscopes, digital meters and advanced diagnostic tools. Emphasis will be placed on diagnosing and troubleshooting internal engine, lubrication, and cooling system concerns using GM approved test equipment. 45 hours lecture and 27 hours laboratory.

AUT-78 - Ford Manual Transmissions and Drive-Train Systems 4 units
Prerequisite: AUT-71 or 40.
This course presents the fundamentals of manual transmission, transaxle, transfer case, differential, and driveline operation, and repair. The course introduces the concepts of disassembly, inspection, measurement, and reassembly, as well as the diagnosis of concerns with transmissions, transaxles, transfer cases, clutches, all wheel drive systems, drivelines, and differentials. 54 hours lecture and 54 hours laboratory.

AUT-79 - Ford Automatic Transmissions and Transaxles 4 units
Prerequisite: AUT-71 or 40.
This course presents the operating principles of automatic transmissions and transaxles. The disassembly, inspection, measurement, and reassembly of automatic transmissions and transaxles will be performed. The diagnosis of operating concerns of conventional and electronically controlled transmissions and transaxles will also be introduced. 54 hours lecture and 54 hours of laboratory.
AUT-80 - General Motors Minor Services and Pre-Delivery
Prerequisite: None.
Limitation on enrollment: Enrollment limited to GM dealer-sponsored ASEP applicants.
This course serves as an important introduction to the GM (ASEP) Automotive Service Educational Program. Students will learn about GM customer service, technical assistance network, General Motors dealership operation, auto shop safety, auto shop practices, Pre-Delivery Inspection, GM diagnostic and service information. Application to the ASEP program is required and sponsorship by a General Motors dealership or General Motors approved repair facility is required. 45 hours lecture and 27 hours laboratory.

AUT-81 - GM Electrical and Electronics Systems 4 units
Prerequisite: None.
This course presents the fundamentals of GM’s vehicles electrical and electronic systems. Includes the use of electrical and electronic system simulators, laboratory oscilloscopes, digital meters and GM’s advanced diagnostic tools. Emphasis is on the diagnosis and troubleshooting of electrical and electronic system concerns using GM-approved and recommended testing methods and equipment service of GM automotive electrical and electronic systems. Students will be able to apply the acquired information to the computer systems found on GM vehicles in the diagnosis and repair of major automotive electrical and electronic system components. 54 hours lecture and 54 hours laboratory.

AUT-82 - GM Applied Electronics 4 units
Prerequisite: AUT-81.
Limitation on enrollment: Sponsorship by a General Motors dealership or approved GM repair facility required.
This course is an in-depth study of advanced automotive computer controls as they relate to specific electronic systems on GM vehicles; also includes the theory, operation, diagnosis and repair of base and electronic control systems of GM automotive refrigeration and heating systems. Students will utilize laboratory oscilloscopes, digital meters, and GM’s advanced diagnostic tools to diagnose and repair today’s computer-laden vehicles using GM-approved procedures and standards. 54 hours of lecture and 54 hours laboratory.

AUT-83 - GM Engine Performance 8 units
Prerequisite: AUT-81.
Limitation on enrollment: Sponsorship by a General Motors dealership or approved GM repair facility required.
This course presents the operation, diagnosis, and analysis of GM ignition, exhaust, emission, fuel, air injection and the On-board computer management system advanced drivability diagnosis of GM electronic engine control systems. Emphasis will be placed on using specialized test equipment and shop manuals for the diagnosis of drivability concerns related to these systems. Sponsorship by a GM dealership required. 108 hours lecture and 108 hours laboratory.

AUT-84 - GM Brakes, Steering and Suspension Systems 4 units
Prerequisite: None.
Limitation on enrollment: Sponsorship by a General Motors dealership or approved GM repair facility required.
This course presents the operation, diagnosis and repair of GM automotive brake, steering and suspension systems to include mechanical and hydraulic brake service as well as suspension and steering system service and alignment. Course covers components and operation of each system and the functional relationships between the systems in GM Motor cars and light trucks. wheel alignment service and tire balancing will also be covered. Emphasis will be placed on the diagnosis of brake system concerns, as well as the diagnosis of steering and suspension system performance concerns using GM-approved and recommended testing methods and equipment. 54 hours lecture and 54 hours laboratory.

AUT-85 - GM Gasoline Engine and Repair 4 units
Prerequisite: None.
Limitation on enrollment: Sponsorship by a General Motors dealership or approved GM repair facility required.
This course presents the fundamentals of General Motor’s gasoline and diesel engine operation and repair. The disassembly, inspection, measurement and reassembly of selected General Motor’s gasoline and diesel engines will be introduced. Emphasis will be placed on diagnosing and troubleshooting internal engine, lubrication and cooling concerns using General Motors approved test equipment and methods. Sponsorship by a GM dealership required. 54 hours lecture and 54 hours laboratory.

AUT-86 - GM Advanced Chassis Systems 4 units
Prerequisite: None.
Limitation on enrollment: Sponsorship by a General Motors dealership or approved GM repair facility required.
This course presents the principles of GM antilock brake, ride control, directional stability control, and electronic power steering assist systems. Emphasis will be placed on the diagnosis of advanced brake system concerns, as well as the diagnosis of advanced steering and suspension system concerns using GM-approved and recommended testing methods and equipment. 54 hours lecture and 54 hours laboratory.

AUT-87 - General Motors Heating and Air Conditioning (HVAC) Systems
Prerequisite: AUT-80.
Limitation on enrollment: Sponsorship by a General Motors dealership or approved GM repair facility required.
This course presents GM climate control system operations and repair, both base and electronic controls system. Compressor service and refrigerant recovery and recycling will be included. Emphasis will be placed on the diagnosis of climate control system performance concerns using GM approved test equipment. Sponsorship by a GM dealership required. 54 hours lecture and 54 hours laboratory.
AUT-88 - General Motors Manual Transmissions 4 units
and Drive Trains
Prerequisite: None.
Limitation on enrollment: Sponsorship by a General Motors dealership or approved GM repair facility required.
This course presents the fundamentals of GM manual transmission, transaxle, transfer case, differential, and driveline operation and repair. The disassembly, inspection, measurement and reassembly of selected GM manual transmissions, transaxes, transfer cases, clutches all wheel drive systems, drivelines and differentials will be introduced. The diagnosis of concerns with the transmission, transaxle and drivetrain systems are included. Sponsorship by a GM dealership required. 54 hours lecture and 54 hours laboratory.

AUT-89 - General Motors Automatic Transmissions 4 units
and Transaxes
Prerequisite: AUT-81.
Limitation on enrollment: Sponsorship by a General Motors dealership or approved GM repair facility required.
This course presents the operating principles of current production GM automatic transmissions and transaxes. The disassembly, inspection, measurement and reassembly of selected GM automatic transmissions and transaxes will be performed. The diagnosis of operating concerns of conventional and electronically controlled transmissions and transaxes will also be introduced. Sponsorship by a GM dealership required. 54 hours lecture and 54 hours of laboratory.

AUT-91 - Introduction to Alternative Fuels 1 unit
Prerequisite: None.
Advisory: AUT-50.
This course serves as an introduction to the alternative fuels program. Students will learn about a variety of alternative fuels, the infrastructure supporting these fuels, pros and cons associated with alternative fuels, and safety when working with or around them. Example of fuels discussed include: compressed natural gas, electric, fuel ethanol, fuel methanol, hydrogen, liquefied natural gas, liquefied petroleum gas, and nuclear energy. 18 hours lecture. (Letter Grade or Pass/No Pass option.)

AUT-92 - Compressed Natural Gas Fuel Systems 1.5 units
Prerequisite: AUT-91.
This course covers compressed natural gas as a vehicular fuel. Students will be taught the proper method to maintain, diagnose and repair dedicated and bi-fuel compressed natural gas vehicles. Safe work practices during maintenance, diagnosis and repair of compressed natural gas vehicles will also be covered. Students will have lab sessions to practice maintenance, diagnosis and repair of compressed natural gas vehicles. The inspection and certification process for compressed natural gas fuel tanks will be covered. 18 hours lecture and 27 hours laboratory. (Letter Grade or Pass/No Pass option.)

AUT-99 - Automotive Technology Internship 2 units
Prerequisite: None.
Limitation on enrollment: Limited to students enrolled in Corporate Automotive programs.
This class is designed to coordinate the student’s occupational on-the-job work experience in sponsored corporate automotive programs with related classroom instruction. 120 hours of volunteer work or 150 hours of paid work over eight weeks.

AUT-200 - Automotive Technology 1-2-3-4 units
Work Experience
CSU*
Prerequisite: None.
Advisory: Students should have paid or voluntary employment.
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

BANKING AND FINANCE
BAN-51 - Principles of Banking 3 units
Prerequisite: None.
A study of the diversified services offered by the banking industry. This course explores and analyzes the banking industry and the functions of commercial banks, with particular attention to the deposit, payment, and credit functions as well as fund management and specialized products and services. 54 hours lecture.

BAN-52 - Consumer Lending 3 units
Prerequisite: None.
A study of the consumer lending process, its importance to banks and consumers, and the environment in which it functions. Students will explore closed-end loans, indirect loans, related credit products, and open-end credit products, and analyze the consumer lending process from loan application, credit investigation, lender decision-making, loan pricing and policy, collection and recovery. 54 hours lecture.
### BIOLOGY

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<td>BIO-2B</td>
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#### BIO-1 - General Biology

UC*, CSU  
Prerequisite: None.  
Introduction to the plant sciences with principal emphasis on the structures, functions, and ecology of common members of each of the major plant divisions. Designed for non-majors and majors in health science, forestry, agriculture, environmental science, landscape design, horticulture, and general nature studies. 54 hours lecture and 54 hours laboratory.

#### BIO-1H - General Biology

UC, CSU  
Prerequisite: None.  
Limitation on enrollment: Enrollment in the Honors Program.  
The course is designed for the non-science major. Students will explore the basic principles of biology, with particular emphasis on the molecular and cellular basis of life as well as genetics, development, evolution and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. The Honors course offers an enriched experience for accelerated students through smaller class size; a focus on the evidentiary basis of biological models; and the application of higher level critical thinking skills. Moreover, a thematic/concept-based approach to the course material will be used rather than the traditional topic-based, survey format. The laboratory component will involve completion of directed research projects that culminate in the submission and presentation of research papers, oral presentations and/or poster presentations in the appropriate scientific format. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory.

#### BIO-2A - Invertebrate Zoology

UC, CSU  
Prerequisite: None.  
This is a science-majors intensive study of invertebrate animals, emphasizing their structure, function, behavior, evolution, classification, and ecology. 54 hours lecture and 108 hours laboratory.

#### BIO-2B - Vertebrate Zoology

UC, CSU  
Prerequisite: None.  
Advisory: BIO-2A.  
This is a science-majors intensive study of vertebrate animals, emphasizing their structure, function, behavior, evolution, classification, and ecology. 54 hours lecture and 108 hours laboratory.

#### BIO-3 - Field Botany

UC, CSU  
Prerequisite: None.  
Introduction to the classification of native and introduced plants, with special emphasis on identification of species. Several field trips. 54 hours lecture and 54 hours laboratory.
**BIO-10 - Life Science Principles**  3 units
*UC*, CSU

Prerequisite: None.

For non-life science majors. An introduction to the principles of life sciences through the study of basic biological concepts of living organisms involving structure, behavior, evolutionary relationships and the social and environmental implications of life science. No credit at the University of California if taken following BIO-1 or 1H. 54 hours lecture.

**BIO-11 - Introduction to Molecular and Cellular Biology**  5 units
*UC*, CSU  *(C-ID BIOL 190)*

Prerequisite: CHE-1A or 1AH.

Advisory: MAT-35, and ENG-50 or 80 or qualifying placement level.

An intensive course for all Life Science majors designed to prepare the student for upper division courses in molecular biology, cell biology, developmental biology, evolution, and genetics. Course material includes principles of biochemistry, biological molecules, prokaryotic and eukaryotic cell structure and function, cell metabolism including photosynthesis and respiration, homeostasis, cell reproduction and its control, classical and molecular genetics, cellular communication, development, evolution and diversity of life at the cellular level. This courses addresses the philosophy of science, methods of scientific inquiry and experimental design. 72 hours lecture and 54 hours laboratory.

**BIO-12 - Introduction to Organismal and Population Biology (Majors)**  5 units
*UC*, CSU  *(C-ID BIOL 140)*

Prerequisite: BIO-11 or 11H.

An intensive course designed for all Life Science majors to prepare the student for upper division courses in organismal and population biology. Course materials include plant structure and function, animal systems and behavior, ecological diversity and dynamics, and evolutionary theory, including population genetics. This course, along with BIO-11, is intended to fulfill a year of transferable lower division general biology. Some field trips are required. 72 hours lecture and 54 hours laboratory.

**BIO-14 - Soil Science and Management**  3 units
*UC*, CSU

Prerequisite: None.

An introduction to physical properties and classification of soils, physical and chemical properties of soil that governs soil reactions and interactions, nutrient regeneration, and management principles in relation to air, water, nutrients and organic matter. 54 hours lecture.

**BIO-15 - Soil Science and Management Laboratory**  2 units
*CSU*

Prerequisite: None.

A supplementary laboratory course to BIO-14 (Soil Science and Management), focusing on the basics of soil science, physical and biogeochemical properties, and interpretation for use and management. This course will give students hands-on perspectives of soil science, ranging from agricultural, wild lands, watershed, and environmental impacts. 108 hours laboratory.

**BIO-17 - Human Biology**  4 units
*UC*, CSU

Prerequisite: None.

A non-major introductory course in biology which offers an integrated study of the basic principles of biology as revealed in the human body. Emphasis is placed on cellular and system organization in relation to specific function and common disorders affecting the body; the interaction between the human body and its environment. Controversial, thought-provoking topics related to modern biology and medical advances involving genetic engineering will be included. This course satisfies district graduation and transfer requirements for a science lecture and laboratory course. 54 hours lecture and 54 hours laboratory.

**BIO-20 - Plants and Human Affairs**  3 units
*CSU*

Prerequisite: None.

A history of the use and management of plants and fungi by humans. Agricultural, culinary, medicinal, cultural, technological, and horticultural uses of plants will be covered. Plants, fungi, and their products will be examined in lecture and laboratory activities including field trips. 36 hours lecture and 54 hours laboratory.

**BIO-30 - Human Reproduction and Sexual Behavior**  3 units
*UC*, CSU

Prerequisite: None.

Human anatomy, physiology and behavior as related to sexual reproduction, including discussion of fertilization, pregnancy, childbirth and birth control. Consideration also will be given to homosexuality, sexually transmitted diseases, sex education, and sexual intercourse and response. 54 hours lecture.

**BIO-31A - Regional Field Biology Studies**  1 unit
*CSU*

Prerequisite: None.

A field course with trips to regional points of biologic interest. This course is designed around its field excursions to sites with varying biologic interest. The course will include introductions to the local flora and fauna as well as basic geologic features and cultural history. 54 hours laboratory.
BIO-31B - Regional Field Biology Studies 2 units
CSU
Prerequisite: None.
A field course with trips to regional points of biologic interest. This course has been designed around its field excursions to sites with varying biologic interest. The course will include introductions to the local flora and fauna as well as basic geologic features and cultural history. 108 hours laboratory.

BIO-34 - Human Genetics 3 units
UC, CSU
Prerequisite: None.
Advisory: High school biology or any college life science course with laboratory.
A general education course for the non-biology major and allied health students who are interested in the underlying mechanisms of human heredity. Emphasis will be given to the role of genetics and environment on cells, individuals, family and human populations. Discussion on human genetic disorders and the social implications of modern human genetics will be included. 54 hours lecture.

BIO-36 - Environmental Science 3 units
UC*, CSU
Prerequisite: None.
A study of humans in relation to the environment, that emphasizes population ecology, nutrient cycles and energy flow, pollution, food production and conservation of natural resources. 54 hours lecture.

BIO-40 - Biometrics 4 units
Prerequisite(s): BIO-11, 12 and MAT-12 or 12H.
Applied statistical analysis of biological data. The understanding, interpretation, and performance of data analysis in a research context. 54 hours lecture and 54 hours laboratory.

BIO-85 - Special Topics in Biology 1 unit
CSU
Prerequisite: None.
Limitation on enrollment: Intended for students who are involved in faculty-led research or other projects.
Provides a foundation for conducting research and/or activities in the biological sciences with emphasis on the scientific method. Focuses on procedures and protocols appropriate for literature reviews, laboratory and field studies including equipment use and maintenance, field and lab safety procedures, and addressing ethical concerns in biological research. 54 hours laboratory.

BLACK STUDIES
See ETHNIC STUDIES
BUS-15 - Street Law: An Introduction to Law and Legal Issues 3 units
Prerequisite: None.
The evaluation, debate, and critical analysis of law and legal issues that affect individuals, their families, and communities. Students will learn about practical aspects of civil, criminal, constitutional, family, immigration, and consumer law in a diverse society with an orientation toward civic involvement in the local community. 54 hours lecture.

BUS-18A - Business Law I 3 units UC*, CSU (C-ID BUS 125)
Prerequisite: None.
The social and practical basis of the law. Covers the legal and ethical environment of business, contracts, agency and employment, and the law of sales. 54 hours lecture.

BUS-18B - Business Law II 3 units UC*, CSU
Prerequisite: None.
Commercial paper, secured transactions, bankruptcy, agency and employment, business organizations, governmental regulations, international law, real and personal property and trusts and estates. 54 hours lecture.

BUS-20 - Business Mathematics 3 units CSU
Prerequisite: None.
An introduction to quantitative approaches for solving common business problems using general mathematics and first degree equations. Includes the development and solution of problems in the areas of business statistics, trade and cash discounts, markups and markdowns, perishables, payroll, taxes, simple interest, promissory notes, compound interest, present and future value, annuities and sinking funds, installment buying and credit cards, home ownership costs, insurance, stocks and bonds, mutual funds, financial reports, depreciation, inventory, and overhead. 54 hours lecture.

BUS-22 - Management Communications 3 units CSU
Prerequisite: None.
Advisory: CAT-30.
Examines the dynamics of organizational communication including a cross cultural emphasis. Practical experience is attained in verbal, non-verbal and interpersonal communication. Includes business report writing, letter writing and resume writing. 54 hours lecture.

BUS-24 - Business Communication 3 units CSU (C-ID BUS 115)
Prerequisite: ENG-1A or 1AH.
Applies the principles of ethical and effective communication to the creation of letters, memos, emails, and written and oral reports for a variety of business situations. The course emphasizes planning, organizing, composing and revising business documents using word processing software for written documents and presentation graphics software to create and deliver professional-level oral reports. Course is designed for students who have college-level writing skills. 54 hours lecture.

BUS-30 - Entrepreneurship and Small Business 3 units Management CSU
Prerequisite: None.
Identify and evaluate opportunities for start-up and existing small businesses. Investigate concepts tools and practices associated with identifying or creating new venture opportunities. Explore ways to shape and evaluate the viability of these opportunities by understanding key industry factors, market and competitive factors, and customer needs. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

BUS-40 - International Business-Principles 3 units CSU
Prerequisite: None.
A comprehensive overview of international business designed to provide both beginners and experienced business people with a global perspective on international trade including foreign investments, impact of financial markets, and the operation of multi-national corporations. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

BUS-43 - International Business-Marketing 3 units CSU
Prerequisite: None.
Presents the problems of marketing in the international marketplace and how marketers approach and solve them. The course focuses on concepts and principles by teaching the theory and practice of international marketing. Included are: the United States international marketing position, market entry strategies, analysis of foreign markets, culture and marketing, product, pricing, distribution, promotion and sales. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

BUS-46 - International Business-Introduction to Importing/Exporting 3 units
Prerequisite: None.
An introduction to the current U.S. position in the global trade arena with an emphasis on the import/export concerns of the small U.S. firm. Includes import/export assessment, methods of import/export, resources of import/export advice, international market research methods, aspects of overseas buying/selling practices, and import/export documentation and shipping. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
BUS-47 - Applied Business and Management Ethics  3 units  
(Same as MAG-47)  
CSU  
Prerequisite: None.  
An examination of ethical concerns in business decision making.  
Includes corporate, personal, global, governmental, public, environmental, product, and job-related issues. Case studies and corporate ethics programs and audits also covered. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

BUS-48 - International Management  3 units  
CSU  
Prerequisite: None.  
A beginning focus for managing resources at the international level. Case studies are used to examine what a manager would need to know to function as effectively as possible in other cultures. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

BUS-51 - Principles of Electronic-Commerce  3 units  
Prerequisite: None.  
Advisory: BUS-10, and CIS-1A.  
An introduction to electronic commerce focusing on business, technological and social issues in today’s global market. Provides the theory and practice of conducting business over the Internet and the World Wide Web. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

BUS-53 - Introduction to Personal Finance  3 units  
Prerequisite: None.  
An introduction to personal finance focusing on mastering the key concepts involved in attaining personal wealth. Personal finance focuses on the concepts, decision-making tools, and applications of financial planning. A financial plan will be utilized to guide decisions today and in years to come. Additional emphasis will be placed on interpreting financial information obtained online, the theory and practice regarding income tax law, health insurance provisions, retirement programs, and personal investing. 54 hours lecture. (Letter Grade or Pass/No Pass option)

BUS-58 - Marketing the Virtual Office  3 units  
Prerequisite: None.  
Identifies and evaluates various employment marketing techniques such as networking face-to-face, virtual interviews, associating with professional organizations, developing flyers and brochures, developing a professional Internet site, and using Web-based resources. The course is a core requirement of the Virtual Assistant certificate program. 54 hours of lecture. (Letter Grade or Pass/No Pass option)

BUS-67 - Business Practices for Photographers  3 units  
(Same as PHO-67)  
CSU  
Prerequisite: None.  
This course provides a foundation in business practices for photographers. Topics include: building a personal photography business model, pricing photographic services, negotiating with clients, protecting the photographer's work, assessing equipment needs and costs, insurance, accounting, contracts, copyright, marketing, stock photography, and archiving photographs. 54 hours lecture.

BUS-70 - Introduction to Organization Development  3 units  
(Same as MAG-70)  
CSU  
Prerequisite: None.  
Advisory: MAG-44.  
This is a study of organization-wide, planned efforts to increase organizational effectiveness using planned interventions by managers. Multiple intervention techniques, such as diagnostic activities, team building, process consulting, coaching and goal setting are covered. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

BUS-71 - Introduction to Productivity Management  3 units  
(Same as MAG-71)  
Prerequisite: None.  
Advisory: MAG-44 and 70.  
An introduction to the techniques used to determine, analyze and improve the systems of creating wealth by supplying quality goods and services to consumers. Includes selecting technologies, managing facilities and people, and integrating cross-functional departments into effective work units. 54 hours lecture.

BUS-72 - Introduction to Quantitative Methods  3 units  
for Business  
(Same as MAG-72)  
Prerequisite: None.  
Advisory: BUS-20 and MAG-70.  
An introduction to the techniques used to analyze business decisions using facts and data. An application of statistical techniques for non-mathematicians for making effective business decisions. 54 hours lecture.

BUS-80 - Principles of Logistics  3 units  
CSU  
Prerequisite: None.  
An introduction to the management of business logistics functions including purchasing, inventory management, transportation, warehousing and their related technologies. Focus is on integration of logistics functions to improve overall supply chain customer service and cost performance. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
LABORATORY will involve completion of directed research projects before the first class meeting. Based upon several factors, including the student’s occupational on-the-job training with related instruction in work-related skills, students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the laboratory. (Letter Grade, or Pass/No Pass option.)

CHE-1A - General Chemistry, I 5 units
UC, CSU (C-ID CHEM 120S=CHE-1A + CHE-1B) (C-ID CHEM 110)
Prerequisite: CHE-2A or 3 and MAT-35.

The student will explore simple chemical systems, their properties and how they can be investigated and understood in terms of stoichiometry, gas laws, elementary thermodynamics, atomic structure and bonding. Laboratory techniques in the investigation of chemical systems. Students may not receive credit for both CHE-1A and CHE-1AH. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CHE-1AH - Honors General Chemistry, I 5 units
UC, CSU (C-ID CHEM 120S=CHE-1AH + CHE-1BH)
Prerequisite: CHE-2A or 3, and MAT-35.

Limitation on enrollment: Enrollment in the Honors Program. The student will explore simple chemical systems, their properties and how they can be investigated and understood in terms of stoichiometry, gas laws, elementary thermodynamics, atomic structure and bonding. Laboratory techniques in the investigation of chemical systems. The honors course offers an enriched experience for accelerated students through limited class size; seminar format; focus on primary texts; and application of higher level critical thinking skills. A thematic approach developing a chemical concept in detail will be used rather than a topic based approach. Laboratory will involve completion of directed research projects with submission of standard operating procedures (SOPs) or papers in appropriate scientific format. Students may not receive credit for both CHE-1A and CHE-1AH. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CHE-2A - Introductory Chemistry, I 4 units
UC*, CSU
Prerequisite: MAT-52.

Introduction to the nature of chemicals, their properties, chemical bonding, reactions and mixtures. Applications to health and environmental topics. Fulfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CHE-2B - Introductory Chemistry, II 4 units
UC, CSU
Prerequisite: CHE-2A.

Introduction to organic and biochemistry including: (1) structure, nomenclature and reactions of some organic compounds and drugs, (2) structure and metabolism of carbohydrates, lipids, proteins, and nucleic acids and (3) enzyme activity and inhibition. Meets the chemistry requirement for nursing, physical education, paramedics, nutrition, dental hygiene, physical therapy assistants, and inhalation therapy majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
CHE-3 - Fundamentals of Chemistry  
4 units  
UC*, CSU  
**Prerequisite:** MAT-52.  
A systematic presentation of the chemical, mathematical, and laboratory skills underlying chemistry. Topics will include stoichiometry, bonding, reactions and solutions. Designed primarily as preparation for Chemistry 1A. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CHE-10 - Chemistry for Everyone  
3 units  
UC*, CSU  
**Prerequisite:** None.  
A lecture-demonstration presentation of the basic principles of chemistry with special emphasis on how chemistry applies and contributes to society. The course is designed to provide a general overview of chemistry with emphasis on historical, industrial, environmental, organic, biological and nuclear aspects. CHE-10 covers a wide variety of topics ranging from atoms and molecules, acids and bases, organic and biochemistry, to a look at genetics and nuclear chemistry. The chemistry of air and water pollution is also discussed. This course is designed for students desiring a general knowledge of the field and fulfills the natural science requirement for the Associate of Arts Degree. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

CHE-12A - Organic Chemistry, I  
5 units  
UC, CSU (C-ID CHEM 160S=CHE-12A + CHE-12B)  
**Prerequisite:** CHE-1B or 1BH.  
A discussion of aliphatic hydrocarbons that focuses on their structure, reactivity, methods of synthesis, physical properties, and reaction mechanisms. Laboratory work emphasizes techniques used to identify, separate, and purify substances. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CHE-12B - Organic Chemistry, II  
5 units  
UC, CSU (C-ID CHEM 160S=CHE-12A + CHE-12B)  
**Prerequisite:** CHE-12A.  
Continues discussion based on the content of CHE-12A. Develops a detailed study of nucleophilic and elimination reactions from a mechanistic viewpoint. Aliphatic and aromatic chemistry will be fully integrated throughout CHE-12B. Considerable emphasis on synthesis. Laboratory includes techniques of syntheses, separation, and identification of several compounds, and an introduction to qualitative organic analysis. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CHE-17 - Introduction to the Development of Modern Science  
3 units  
UC, CSU  
**Prerequisite:** None.  
**Advisory:** Qualification for ENG-1A.  
A survey of the rise of modern science in Western civilization from the Scientific Revolution of the 16th and 17th centuries through the biological and earth science revolutions of the 20th century. The historical forces that led to major scientific developments and the impact of science and science-based technology on society will be examined. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

CHICANO STUDIES

See ETHNIC STUDIES

CHINESE

CHI-1 - Mandarin Chinese  
5 units  
UC*, CSU  
**Prerequisite:** None.  
This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for native spoken and written Mandarin Chinese at the beginning level. This course includes discussion of Chinese culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CHI-2 - Chinese 2  
5 units  
UC*, CSU  
**Prerequisite:** CHI-1.  
Further development of basic skills in listening, reading, speaking, and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Mandarin Chinese at the beginning level. This course includes an expanded discussion of Chinese culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CHI-11 - Culture and Civilization  
3 units  
UC, CSU  
**Prerequisite:** None.  
Introductory survey of Chinese culture and civilization as reflected in language, literature, art, history, politics, customs, and social institutions. Class conducted in English. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

COMMUNICATION STUDIES

The number one skill requested of employers is effective communication skills! Communication Studies is considered one of the Top 5 Majors at four year universities so consider the Associate in Arts in Communication Studies for Transfer degree (See p. 56). If you are transferring to a CSU, your Critical Thinking Requirement (Area A3) can be met by COM-2 or COM-3.

COM-1 - Public Speaking  
3 units  
UC, CSU (C-ID COMM 110)  
**Prerequisite:** None.  
**Advisory:** COM-51 and/or qualification for ENG-1A.  
Prepares students to compose (develop outlines and research) and present a minimum of four speeches, including informative and persuasive presentations in front of a live audience. Emphasis will include: different purposes of speaking, types of speeches and organizational patterns, topic choice and audience adaptation, rhetorical principles, development and support of sound reasoning and argument, theories of persuasion, application of ethics in public speaking, listening skills, and theory and principles of effective delivery. Students will speak formally for a minimum of 20 total semester minutes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
COM-1H - Honors Public Speaking 3 units
UC, CSU (C-ID COMM 110)
Prerequisite: None.
Advisory: COM-51 and or qualification for ENG-1A.
Limitation on enrollment: Enrollment in the Honors Program.
Prepares students to compose (develop outlines and research) and present a minimum of four speeches, including informative and persuasive presentations in front of a live audience. Emphasis will include the enhanced exploration of: different purposes of speaking, types of speeches and organizational patterns, topic choice and audience adaptation, rhetorical principles, development and support of sound reasoning and argument, theories of persuasion, application of ethics in public speaking, listening skills, and theory and principles of effective delivery. Students will speak formally for a minimum of 20 total semester minutes. Honors course offers an enriched experience for accelerated students through limited class size; seminar format; focus on primary texts; and application of higher level critical thinking skills. Students may not receive credit for both COM-1 and COM-1H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

COM-2 - Persuasion in Rhetorical Perspective 3 units
UC, CSU (C-ID COMM 190)
Prerequisite: None.
Advisory: COM-51 and/or qualification for ENG-1A.
Develops persuasion from a rhetorical perspective with emphasis on the Ciceronian Canons of Rhetoric and the Aristotelian forms of proof: ethos, pathos, and logos. Includes practical application of these rhetorical theories in understanding and analyzing classical, post renaissance, and contemporary public address. Also incorporates presentation on persuasive issues, rhetorical analyses, and role play. Students will deliver a minimum of three oral presentations. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

COM-3 - Argumentation and Debate 3 units
UC, CSU (C-ID COMM 120)
Prerequisite: None.
Advisory: COM-51 and/or qualification for ENG-1A.
Covers theoretical underpinnings of argumentation and debate including a systematic approach to the process of debate, theories of argumentation as related to topic analysis, research, case construction, rebuttals, cross-examination, utilization of sound reasoning, and the importance of ethical behavior in debate. Focus is on effective delivery of verbal and nonverbal communication as well as effective listening. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

COM-5 - Parliamentary Procedure 1 unit
CSU
Prerequisite: None.
Covers the nature, use, and function of formal parliamentary procedure in public meetings. Includes critical analysis of speaking and parliamentary discussion on contemporary public issues and focuses on the use of parliamentary procedures to facilitate group discussion. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)
COM-11 - Storytelling  3 units  
CSU  
Prerequisite: None.  
Advisory: COM-51 and/or qualification for ENG-1A.  
A study of the history, theory, and practice of the oral art of storytelling. The historical and current practice of the oral tradition of both prose and poetry will be covered using a multicultural perspective. Students will research, prepare, and perform stories from a variety of genres and cultures. Oral presentations required. (Letter Grade, or Pass/No Pass option.)

COM-12 - Intercultural Communication  3 units  
UC, CSU (C-ID COMM 150)  
Prerequisite: None.  
Advisory: COM-51 and/or qualification for ENG-1A.  
This course provides an introduction to the factors affecting intercultural communication. This course focuses on the communication behaviors and values common to all cultures and ethnic groups, as well as the differences that may insulate and divide people. Students will examine influences on the communication process, including aspects such as stereotyping, gender roles, values, beliefs, verbal and nonverbal communication patterns, conflict styles and much more. Students will learn to overcome the communication problems that may result when members of other cultures and/or ethnic groups communicate by evaluating their own intercultural communication patterns and learning skills to increase their effectiveness. 54 hours lecture. (Letter Grade or Pass/No Pass option)

COM-13 - Gender and Communication  3 units  
UC, CSU  
Prerequisite: None.  
Advisory: COM-51 and/or qualification for ENG-1A.  
A study of theories that address communication styles including similarities and differences between masculine and feminine gender types. Integrates theories to heighten students' awareness of the importance of gender as a communication variable. Theoretical approaches to the development of gender are discussed. Gender communication issues are addressed with an emphasis on listening, perception, verbal, nonverbal communication, and conflict management in interpersonal, small group and various other contexts. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

COM-19 - Reader's Theater  3 units  
UC, CSU  
Prerequisite: None.  
Advisory: COM-51 and/or qualification for ENG-1A.  
Study of literary genres and their applicability to various Readers’ Theatre methods of presentation. Literary research and selection of material are applied in the preparation of scripts and oral presentation while adhering to Readers’ Theatre style, approach, and technique. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

COM-51 - Enhancing Communication Skills  1 unit  
Prerequisite: None.  
Pre-collegiate introduction to fundamentals of communication skills in various contexts. Designed to provide students with the necessary communication skills for college success, and outlines the basics of rhetorical principles which will assist in the development and organization of ideas within various communication contexts including public speaking and interpersonal communication. Focuses on choosing a topic for speeches/papers, research and outlining methods, as well as techniques for presentation with a particular focus on managing speech anxiety. 18 hours lecture. (Non-degree credit course. Letter Grade, or Pass/No Pass option.)

COM-85A - Communication Studies Clinic  0.5 unit  
Prerequisite: None.  
Intended for students who need concentrated attention in various areas of communication skills (i.e. management of communication apprehension, perception checking, "I language," emotion management, oral presentation preparation and practice). Self-paced, open-entry/open-exit, with a non-traditional lectured-based component. The course requires students to do the majority of their coursework independently. Each student will follow a series of modules based on his/her targeted need. Students meet with their instructor in the Center for Communication Excellence for identifying targeted need and as needed for one-on-one instruction or small group study for the duration of the students' enrollment in the course. 27 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

COM-85B - Communication Studies Clinic II  1 unit  
Prerequisite: None.  
Intended for students who need extended and/or continued concentrated attention in various areas of communication skills (i.e. management of communication apprehension, perception checking, "I language," emotion management, oral presentation preparation and practice). Self-paced, open-entry/open-exit, with non-traditional lectured-based component. The course requires students to do the majority of their coursework independently. Each student will follow a series of modules based on his/her targeted need. Students meet with their instructor in the Center for Communication Excellence for identifying targeted need and as needed for one-on-one instruction or small group study for the duration of the students' enrollment in the course. 54 hours laboratory. (Non-degree credit course. Pass/No Pass only.)
COMPUTER APPLICATIONS AND OFFICE TECHNOLOGY

CAT-1A - Business Etiquette 1 unit
Prerequisite: None.
This course provides students with both the knowledge and skills required to quickly apply business standards of acceptable behavior and etiquette to project a professional image. It addresses additional topics, such as financial planning, appropriate use of workplace technologies, and written business communications, that students need to know when transitioning from campus to the workplace. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)

CAT-3 - Computer Applications for Business 3 units
(Same as BUS/CIS-3)
Prerequisite: None.
This course introduces a suite of computer applications to students preparing to enter business, and office professions. Individuals who are already established in these professions may also benefit from skills emphasized which include: use of basic operating system functions, file management, word processing, spreadsheets, database management, and presentation graphics. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CAT-30 - Business English 3 units
Prerequisite: None.
Advisory: Keyboarding skills or CAT-53 and familiarity with Microsoft Word or CAT/CIS-34A.
Examines the mechanics of business communications. Includes a study of grammar fundamentals, sentence structure, punctuation, vocabulary, and spelling. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

CAT-30A - Business English 30A 1 unit
Prerequisite: None.
Examines the mechanics of business communications; includes a study of grammar fundamentals, sentence structure, punctuation, vocabulary, and spelling. CAT-30A is equivalent to the first third of CAT-30. 18 hours lecture.

CAT-31 - Business Communications 3 units
Prerequisite: None.
Advisory: CAT-30.
This course is designed to teach the fundamentals of written and oral communication in business by providing specific practical applications. Emphasis will be on written and oral communications, stressing the most common forms of correspondence. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

CAT-34A - Introduction to Word 1.5 units
(Same as CIS-34A)
Prerequisite: None.
Introductory word processing skills using Microsoft Word to create business documents. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CAT-36A - Legal Office Procedures I 3 units
CSU
Prerequisite: None.
Advisory: Typing skills and familiarity with MS Word or Corel WordPerfect.
This course is designed to train the student for employment as a secretary in a law office. Specialized training is given in the knowledge and skills required of legal secretaries by the presentation of a basic understanding of legal procedure for legal secretaries. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CAT-36B - Legal Office Procedures II 3 units
CSU
Prerequisite: None.
Advisory: CAT-36A and Microsoft Word or Corel WordPerfect, CAT-34A.
This course is designed to train the student for employment as a secretary in a law office. Specialized training is given in the knowledge and skills required of legal secretaries by the presentation of a basic understanding of legal procedure for legal secretaries. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CAT-37 - Legal Terminology 3 units
CSU
Prerequisite: None.
Advisory: Basic document creation and formatting skills using Microsoft Word or Corel WordPerfect, and keyboarding speed of 40 wpm.
A comprehensive study of the meaning, spelling, pronunciation and current use of legal terms and their application to legal documents and procedure. Digital correspondence and legal documents will be developed, evaluated, and edited. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CAT-38 - Legal Word Processing and Forms 3 units
CSU
Prerequisite: None.
Advisory: CAT-36A and Microsoft Word or Corel WordPerfect.
Preparing legal documents and Judicial Council forms using a computer. Emphasis will be placed on the standards used in California legal procedure for various areas of law. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CAT-50 - Keyboarding and Document Processing 3 units
CSU
Prerequisite: None.
Develops motor coordination, memory, thinking and problem solving skills. Includes mastery of the keyboard on computers and introduction to personal and business typing using word processing software. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)
CAT-51 - Intermediate Typewriting/Document Formatting  
**CSU**  
*Prerequisite: None.*  
*Advisory: Beginning typing skills and familiarity with basic business document formats; CAT-50.*  
Develops professional typing skills. Includes business letters, manuscripts, reports, and tables. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CAT-53 - Keyboarding/Typing Fundamentals  
**1 unit**  
*Prerequisite: None.*  
Develops basic alpha/numeric keyboarding/typing skills on an electronic keyboard. Designed primarily for individuals needing basic keyboarding skill to input and retrieve information from a microcomputer. Develops a straight-copy rate of 25 gross words a minute. 18 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CAT-54A - Introduction to Flash  
**3 units**  
*Same as CIS-54A*  
*CSU*  
*Prerequisite: None.*  
*Advisory: Competency in the use of a computer and familiarity with the Internet; CAT/CIS-95A.*  
This course provides students with the essential knowledge and skills required to use Flash. This includes instruction on the authoring tools, drawing tools, working with symbols, creating interactive buttons and streaming sound. 54 hours lecture and 18 hours laboratory.

CAT-55 - Applied Accounting/Bookkeeping  
**3 units**  
*Same as ACC-55*  
*Prerequisite: None.*  
This is an introductory course for students who are non-accounting majors. The focus is basic bookkeeping and accounting principles for both merchandising and service oriented small business enterprises. Emphasis is on the development of skills to record business transactions for cash and accrual methods, as well as the procedures to prepare financial statements and complete an accounting cycle. Attention is given to special journals, subsidiary ledgers, and payroll and banking procedures. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

CAT-57 - Creating and Managing the Virtual Office  
**3 units**  
*Prerequisite: None.*  
*Advisory: CAT/CIS-95A.*  
The course explores topics related to creating a virtual office including time management, customizing the workplace, evaluating and buying software and hardware, and communicating with technology for self-employed entrepreneurs or telecommuters. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

CAT-59 - Management of Information Technologies  
**1.5 units**  
*Prerequisite: None.*  
*Advisory: Knowledge of database management.*  
This course provides students with the essential knowledge and skills required to use Flash. This includes instruction on the authoring tools, drawing tools, working with symbols, creating interactive buttons and streaming sound. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CAT-61 - Professional Office Procedures  
**3 units**  
*Prerequisite: None.*  
*Advisory: CAT/CIS/BUS-3, or CAT-31 and 51.*  
Mastering procedures for the office professional through the development of: business communications, team building, business ethics, word processing, database management, spreadsheets, presentation techniques and general office skills. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

CAT-62 - Records Management  
**3 units**  
*Prerequisite: None.*  
*Advisory: Knowledge of database management.*  
Examines the basic procedures covering alphabetical, numerical, geographical, subject, and chronological filing. Introduces records and database management and the management, control, and retention thereof, both manually and electronically. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CAT-65 - Introduction to Microsoft PowerPoint  
**1.5 units**  
*Same as CIS-65*  
*CSU*  
*Prerequisite: None.*  
Introduction to Microsoft PowerPoint presentation graphics program. Creation of overhead transparencies, electronic presentations or formal presentations media. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CAT-67 - Advanced Photoshop Fundamentals  
**3 units**  
*Prerequisite: None.*  
This course provides students with the essential knowledge and skills required to use Adobe Photoshop. This includes instruction on the authoring tools, drawing tools, working with symbols, creating interactive buttons and streaming sound. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CAT-70 - Business Applications Using Microsoft Office  
**3 units**  
*Prerequisite: None.*  
*Advisory: Knowledge of database management.*  
This course provides students with the essential knowledge and skills required to use Adobe Photoshop. This includes instruction on the authoring tools, drawing tools, working with symbols, creating interactive buttons and streaming sound. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CAT-75 - Microsoft Office Applications  
**3 units**  
*Prerequisite: None.*  
*Advisory: Knowledge of database management.*  
This course provides students with the essential knowledge and skills required to use Adobe Photoshop. This includes instruction on the authoring tools, drawing tools, working with symbols, creating interactive buttons and streaming sound. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)
CAT-79 - Introduction to Adobe Illustrator 3 units  
(Same as CIS-79)  
CSU  
Prerequisite: None.  
Fundamentals of Adobe Illustrator, including creating objects, drawing paths and designing with type, creating freehand drawing and illustration, importing and working with graphics. Develop a working knowledge of the processes that generate graphic images: layering, shadowing, and color use. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CAT-80 - Word Processing: Microsoft Word for Windows 3 units  
(Same as CIS-80)  
CSU  
Prerequisite: None.  
Advisory: Typing knowledge/skills with at least 40 wpm.  
This course provides introductory, intermediate and advanced skill levels necessary to produce a variety of professional documents using Microsoft Word, a word processing program. Students will develop skills in word processing techniques and tasks. 54 hours lecture and 18 hours laboratory.

CAT-81 - Introduction to Desktop Publishing using Adobe InDesign 3 units  
(Same as CIS-81)  
CSU  
Prerequisite: None.  
Page design and layout techniques using Adobe InDesign. Mastery of beginning and intermediate techniques of document creation, including design skills. Successful incorporation of drawing and bit mapped files to create professional printed media. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CAT-84 - Word Processing: WordPerfect for Windows 3 units  
(Same as CIS-84)  
Prerequisite: None.  
Advisory: Typing knowledge/skills with at least 40 wpm.  
This course provides introductory, intermediate, and advanced skill levels necessary to produce a variety of professional documents using WordPerfect for Windows, a word processing program. Students will develop skills in word processing techniques and tasks. 54 hours lecture and 18 hour laboratory.

CAT-90 - Microsoft Outlook 3 units  
(Same as CIS-90)  
Prerequisite: None.  
This course utilizes Microsoft Outlook to organize and plan personal and business information. Emphasis is placed on the use of Outlook for communication and sharing information with persons within a company or small business. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CAT-91 - Microsoft Project 3 units  
(Same as CIS-91)  
Prerequisite: None.  
This course utilizes Microsoft Project to build, track and account for variances and changes in the baseline plan. Emphasis is placed on project management, tracking and information analysis. 54 hours lecture and 18 hours laboratory.

CAT-93 - Computers for Beginners 3 units  
(Same as CIS-93)  
CSU  
Prerequisite: None.  
This course is designed as a practical step-by-step introduction to computer literacy topics including computer hardware and software, application skills, the Internet and Internet searching, Web page creation and computer ethics. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CAT-95A - Introduction to Internet 1.5 units  
(Same as CIS-95A)  
CSU  
Prerequisite: None.  
Skill development in the concepts of the Internet on microcomputer-based systems. This course is designed as a practical step-by-step introduction to working with the Internet using personal computers. 27 hours lecture.

CAT-98A - Introduction to Excel 1.5 units  
(Same as CIS-98A)  
CSU  
Prerequisite: None.  
Skill development in electronic spreadsheets using Excel for business and scientific related applications. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CAT-98B - Advanced Excel 1.5 units  
(Same as CIS-98B)  
CSU  
Prerequisite: CAT/CIS-98A.  
Advanced concepts of MS-Excel including managing large spreadsheets, creating and working with databases, creating and using templates and macro creation. Spreadsheet manipulation with advanced macro techniques, customizing Excel screen and toolbars and solving problems with goal seeker and solver. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)
CAT-200 - Computer Applications and Office Technology Work Experience  
1-2-3-4 units 
CSU* 
Prerequisite: None. 
Advisory: Students should have paid or voluntary employment. 
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

COMPUTER INFORMATION SYSTEMS

CIS-1A - Introduction to Computer Information Systems  
3 units 
UC, CSU (C-ID ITIS 120) 
Prerequisite: None. 
An introduction to computer concepts, theory and computer applications. Functions and capabilities of word processors, spreadsheets, databases, presentation graphics and the Internet are covered through lecture, discussion and hands-on computer assignments. Concepts covered include types of software, hardware components, and operating systems with an emphasis on terminology and functionality. 54 hours lecture and 18 hours laboratory.

CIS-1B - Advanced Concepts in Computer Information Systems  
3 units 
CSU 
Prerequisite: CIS-1A. 
Advanced computer applications. Advanced concepts and skills of word processing, spreadsheets, presentation graphics, the Internet and databases with an emphasis on multitasking, integrating applications, linking and embedding are covered. 54 hours lecture and 18 hours laboratory.

CIS-2 - Fundamentals of Systems Analysis  
3 units 
(Same as CSC-2) 
CSU 
Prerequisite: None. 
Study of structured systems analysis techniques. Course includes the identification of problems, fact gathering, report analysis, system/data flow analysis, screen/forms design, creation of user documentation/reports, and completion of written and verbal presentations and the use of CASE tools. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-3 - Computer Applications for Business  
3 units 
(Same as BUS/CAT-3) 
CSU 
Prerequisite: None. 
This course introduces a suite of computer applications to students preparing to enter business, and office professions. Individuals who are already established in these professions may also benefit from skills emphasized which include: use of basic operating system functions, file management, word processing, spreadsheets, database management, and presentation graphics. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-5 - Programming Concepts and Methodology I: C++  
4 units 
(Same as CSC-5) 
UC, CSU (C-ID COMP 122) 
Prerequisite: None. 
Advisory: CIS-1A. 
Introduction to the discipline of computer science incorporating problem definitions, algorithm development, and structured programming logic for business, scientific and mathematical applications. The C++ language will be used for programming problems. 54 hours lecture and 54 hours laboratory.

CIS-7 - Discrete Structures  
3 units 
(Same as CSC-7) 
UC, CSU (C-ID COMP 152) 
Prerequisite: CIS/CSC-5. 
This course is an introduction to the discrete structures used in Computer Science with an emphasis on their applications. Topics covered include: Functions, Relations and Set; Basic Logic; Proof Techniques; Basics of Counting; Graphs and Trees; and Discrete Probability. 54 hours lecture and 18 hours laboratory.

CIS-11 - Computer Architecture and Organization: Assembly  
3 units 
(Same as CSC-11) 
UC, CSU (C-ID COMP 142) 
Prerequisite: None. 
Advisory: CIS/CSC-5. 
An introduction to microprocessor architecture and assembly language programming. The relationship between the hardware and the software will be examined in order to understand the interaction between a program and the total system. Mapping of statements and constructs in a high-level language onto sequences of machine instructions is studied as well as the internal representation of simple data types and structures. Numerical computation is performed, noting the various data representation errors and potential procedural errors. 54 hours lecture and 18 hours laboratory.
CIS-12 - PHP Dynamic Web Site Programming  
3 units  
(Same as CSC-12)  
CSU  
Prerequisite: None.  
Advisory: CIS/CSC-5 and CIS/CSC-14A or CIS-72A.  
Dynamic web site programming using PHP. Fundamentals of server-side web programming. Introduction to database-driven web sites, using PHP to access a database such as MySQL. Web applications such as user registration, content management, and e-commerce. This course is for students already familiar with the fundamentals of programming and HTML. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-14A - Web Programming: JavaScript  
3 units  
(Same as CSC-14A)  
CSU  
Prerequisite: None.  
Advisory: Previous programming experience and knowledge of HTML, CIS/CSC-5 and CIS-72A.  
Fundamentals of JavaScript programming for the world wide web for students already familiar with the fundamentals of programming and HTML. Language features will include control structures, functions, arrays, JavaScript objects, browser objects and events. Web applications will include image rollovers, user interactivity, manipulating browser windows, form validation and processing, cookies, creating dynamic content and Dynamic HTML programming. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-14B - Web Programming: Active Server Pages  
3 units  
CSU  
Prerequisite: None.  
Advisory: CIS/CSC-5 and CIS-72A.  
Fundamentals of server-side web programming using Active Server Pages (ASP) for students already familiar with the fundamentals of programming and HTML. Language features will include control structures, functions, arrays, collections, objects and events. Focus on server-side programming to generate dynamic web content and database access. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

CIS-17A - Programming Concepts and Methodology II: C++  
3 units  
(Same as CSC-17A)  
UC, CSU (C-ID COMP 132)  
Prerequisite: CIS/CSC-5.  
The application of software engineering techniques to the design and development of large programs; data abstraction, structures, and associated algorithms. A comprehensive study of the syntax and semantics of the C++ language and the methodology of Object-Oriented program development. 54 hours lecture and 18 hours laboratory.

CIS-17B - C++ Programming: Advanced Objects  
3 units  
(Same as CSC-17B)  
UC, CSU  
Prerequisite: None.  
Advisory: CIS/CSC-17A.  
This is an advanced C++ programming course for students familiar with object-oriented programming and utilization of basic graphical interface techniques. An emphasis will be placed on advanced concepts associated with complex Business and Gaming applications that utilize exception handling, multithreading, multimedia, and database connectivity. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-17C - C++ Programming: Data Structures  
3 units  
(Same as CSC-17C)  
UC, CSU  
Prerequisite: None.  
Advisory: CIS/CSC-17A.  
This course offers a thorough presentation of the essential principles and practices of data structures using the C++ programming language. The course emphasizes abstract data types, software engineering principles, lists, stacks, queues, trees, graphs and the comparative analysis of algorithms. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-18A - Java Programming: Objects  
3 units  
(Same as CSC-18A)  
UC, CSU  
Prerequisite: None.  
Advisory: CIS/CSC-5.  
An introduction to Java programming for students already experienced in the fundamentals of programming. An emphasis will be placed upon object-oriented programming. Other topics include graphical interface design and typical swing GUI components. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-18B - Java Programming: Advanced Objects  
3 units  
(Same as CSC-18B)  
UC, CSU  
Prerequisite: None.  
Advisory: CIS/CSC-18A.  
This is an advanced JAVA programming course for students familiar with object-oriented programming and utilization of basic graphical interface techniques. An emphasis will be placed on advanced concepts associated with business, e-commerce and gaming applications that utilize exception handling, multithreading, multimedia, and database connectivity. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)
CIS-18C - Java Programming: Data Structures 3 units
(Same as CSC-18C)
UC, CSU
Prerequisite: None.
Advisory: CIS/CSC-18A.
This course is designed to be an advanced Java programming course for students familiar with object-oriented programming and database concepts. The major emphasis will be related to concepts of storing and retrieving data efficiently, which are the essential principles and practices of data structures. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-18D - Data Structures and Algorithms 3 units
(Same as CSC-18D)
UC, CSU
Prerequisite: CIS/CSC-18A.
Data structures such as trees, priority queues, graphs, sets, and maps will be developed using Java. Sorting algorithms will be explored and coded plus random access, indexed and direct files will be created. Indexing techniques for these files will be explored. 54 hours lecture and 18 hours laboratory.

CIS-20 - Systems Analysis and Design 3 units
(Same as CSC-20)
CSU
Prerequisite: CIS/CSC-2.
Advisory: Students should have a working knowledge of MS Access.
Structured design techniques for the development and implementation of computerized business applications. Course includes project planning, analysis of current system, design of a new system, implementation, consideration of data base design and development, file organization, and modular programming techniques. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-21 - Introduction to Operating Systems 3 units
(Same as CSC-21)
CSU
Prerequisite: CIS-1A.
An introduction to operating concepts, structure, functions, performance and management is covered. A current operating system, such as Windows, Linux, or UNIX is used as a case study. File multi-processing, system security, device management, network operating systems, and utilities are introduced. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-23 - Software End User Support 3 units
CSU
Prerequisite: None.
Advisory: CIS-1A and 1B.
Study of computer software installation, configuration, maintenance, troubleshooting and optimization, operating system commands and utilities and network software. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

CIS-25 - Introduction to Data Communications 3 units
(Same as CSC-25)
CSU
Prerequisite: CIS-1A.
Fundamentals of data communications and network concepts. Emphasis on planning, analyzing, designing, and implementing computer communications networks. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

CIS-26A - Cisco Networking Academy 1A 4 units
CSU
Prerequisite: None.
Advisory: CIS-1A, 21 and 23.
This course is designed to provide students with classroom and laboratory experience in current and emerging networking technology. Instruction includes, but is not limited to, safety, networking, networking terminology, protocols and network standards. This course is one of four Cisco-related curricula designed to prepare students for Cisco Certified Network Associate (CCNA) certification examination. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

CIS-26B - Cisco Networking Academy 1B 4 units
CSU
Prerequisite: CIS-26A.
This course introduces students to routing concepts of LANs, WANs, Ethernet, Token Ring, Fiber Distributed Data Interface, TCP/IP, dynamic routing and network administrator’s role and function. Students will learn to configure the CISCO IOS software and configurations required for specific routing protocols. This course is one of four Cisco-related curricula designed to prepare students for Cisco Certified Network Associate (CCNA) certification examination. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

CIS-26C - Cisco Networking Academy 1C 4 units
CSU
Prerequisite: CIS-26B.
This course introduces students to troubleshooting common network problems, using a layered model approach, interpret network diagrams, LAN segmentation using switches, routers, full-duplex Ethernet operations, dynamic routing, and the network administrator’s role. Students will learn to configure, verify, and troubleshoot VLANs, inter VLAN routing, VTP trunking on Cisco switches, and RSTP operation. Students will identify the basic parameters to configure a wireless network and common implementation issues. This course is one of four Cisco-related curricula designed to prepare students for Cisco Certified Network Associate (CCNA) certification examination. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)
CIS-26D - Cisco Networking Academy 1D  4 units
CSU
Prerequisite: CIS-26C.
This course introduces students to configure WAN services, frame relay, WAN serial connection, IPv6, encapsulate WAN data, HDLC, Point-to-Point Protocol (PPP), ACLs access lists, and the network administrator’s role and function. Students will learn to configure the Frame Relay operations and troubleshoot DHCP, DNS, ACL’s. This course is one of four Cisco-related curricula designed to prepare students for Cisco Certified Network Associate (CCNA) certification examination. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

CIS-26F - Cisco Networking Security  4 units
CSU
Prerequisite: None.
Advisory: CIS-26B, 26C and CIS/CSC-27.
Provides students with in-depth network security education and a comprehensive understanding of network security concepts. Instruction includes, but is not limited to, installation, troubleshooting and monitoring of network devices to maintain integrity, confidentiality and availability of data, skills needed to develop a security infrastructure, recognize vulnerabilities to networks, and mitigate potential security threats. This course is designed to prepare students for CCNA Security Certification (IINS 640-553 exam). 72 hours lecture.

CIS-27 - Information and Network Security  3 units
(Same as CSC-27)
CSU
Prerequisite: None.
Advisory: CIS-23.
The increased use of the local area networks, data communications and Internet technologies has also increased the need for information security. The course explores topics related to security technology physical design including firewalls, VPNs, ethical and professional issues, and information security maintenance. The course is an elective in the CIS Discipline’s Networking Certificate program. 54 hours lecture.

CIS-28A - MS Access Programming  3 units
(Same as CSC-28A)
CSU
Prerequisite: None.
Advisory: CIS/CSC-5.
Use of the data management program, MS Access, in writing command file programs to automate database management applications with the use of Visual Basic Applications variables, expressions and functions. This course shows students how event driven programs operate. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-34A - Introduction to Word  1.5 units
(Same as CAT-34A)
CSU
Prerequisite: None.
Introductory word processing skills using Microsoft Word to create business documents. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-54A - Introduction to Flash  3 units
(Same as CAT-54A)
CSU
Prerequisite: None.
Advisory: Competency in the use of a computer and familiarity with the Internet; CIS/CAT-95A.
This course provides students with the essential knowledge and skills required to use Flash. This includes instruction on the authoring tools, drawing tools, working with symbols, creating interactive buttons and streaming sound. 54 hours lecture and 18 hours laboratory.

CIS-54B - Flash Scripting  3 units
(Same as CAT-54A)
CSU
Prerequisite: None.
Advisory: CIS/CAT-54A.
Learn how to design, write, and debug scripts (programs) using the Flash scripting language. Incorporate scripts into Flash projects to control sophisticated animation, import video and sound files, integrate buttons, and create compelling interactivity using powerful features such as the Motion Editor, inverse kinematics, and support for 3D. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-56A - Designing Web Graphics  3 units
(Same as CAT-56A)
CSU
Prerequisite: None.
Advisory: Competency in the use of a computer and familiarity with the Internet recommended, such as CIS/CAT-95A.
The course provides students with knowledge and skills required to create, modify and prepare visual elements for placement within web pages. Focus on the understanding of file compression, color palettes, visual design and layout principles. The course uses Adobe Photoshop. 54 hours lecture and 18 hours laboratory.

CIS-61 - Introduction to Database Theory  3 units
(Same as CSC-61)
CSU
Prerequisite: None.
The course provides a comprehensive introduction to the design and development of professional database management systems. This course will demonstrate how to build database structures using “Entity-Relationship” models and relationships. The student will encounter design and development techniques for work groups and enterprise level database models. The course will cover the Systems Development Life Cycle, as well as data validation, business rules, security and disaster recovery techniques. 54 hours lecture.
CIS-62 - Microsoft Access DBMS: Comprehensive  3 units
(Same as CSC-62)
Prerequisite: None.
Advisory: Previous computer experience.
This course provides a comprehensive introduction to the implementation of database management systems using Microsoft Access. The student will be provided hands-on experience in modeling work problems and transforming them to a relational data model. The student will design data tables to efficiently store data. The student will be shown techniques for entering, changing and deleting data using datasheets and forms. The student will learn to filter and modify data using queries and to output data using both forms and reports. Access macros will be applied to forms and reports. The student will be presented with database projects to reinforce their lectures. 54 hours lecture and 18 hours laboratory.

CIS-63 - Introduction to Structured Query Language (SQL)  3 units
(Same as CSC-63)
CSU
Prerequisite: None.
This course provides an introduction to the relational database management system industry standard – Structured Query Language (SQL.) Students will analyze, design and implement database schema using the SQL programming language. SQL will be utilized to develop a database structure (DDL.) The student will use SQL to create both SELECT and action queries (DML.) Joins, Unions, Differences and subquery statements will be covered. Both the Access and Oracle DBMS SQL statements will be covered. 54 hours lecture and 18 hours laboratory.

CIS-65 - Introduction to Microsoft PowerPoint  1.5 units
(Same as CAT-65)
CSU
Prerequisite: None.
Introduction to Microsoft PowerPoint presentation graphic program. Creation of overhead transparencies, electronic presentations or formal presentations media. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-72A - Introduction to Web Page Creation  1.5 units
Prerequisite: None.
Advisory: Competency in the use of a computer, familiarity with the Internet; CIS/CAT-95A.
An introduction to webpage creation using Extensible Hypertext Markup Language (XHTML). Use XHTML to design and create webpages with formatted text, hyperlinks, lists, images, tables, frames and forms. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-72B - Intermediate Web Page Creation using Cascading Style Sheets (CSS)  1.5 units
Prerequisite: None.
Advisory: Knowledge of HTML and the Internet; CIS-72A and CIS/CAT-95A.
Intermediate webpage creation using cascading style sheets (CSS) to format and lay out webpage content. CSS works with HTML, so HTML knowledge is recommended. Inline styles, embedded styles, and external style sheets are covered. CSS is used to format text, links, set fonts, colors, margins and position text and graphics on a page. CSS is also a component of Dynamic HTML. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-72C - Introduction to XML  1.5 units
Prerequisite: None.
Advisory: Knowledge of HTML and CSS.
Introduction to XML (Extensible Markup Languages) on the World Wide Web. Understand and create XML documents, and explore the various applications of the XML technology. 27 hours lecture. (Letter Grade, or Pass/No Pass option.)

CIS-73A - Introduction to Multimedia Authoring  3 units
Prerequisite: None.
Introduction to the fundamentals of interactive multimedia authoring. There is an emphasis on producing applications incorporating text, audio, graphics, animation and digitized video which effectively communicate to the user. 54 hours lecture.

CIS-76A - Introduction to Microsoft Expression Web  3 units
Prerequisite: None.
Advisory: CIS/CAT-95A and competency in the use of the Internet and in managing files and folders.
Provides students with the knowledge and skills required to quickly design and implement webpages, and to administer and update existing websites using Microsoft Expression Web. The course uses Microsoft Expression Web to streamline and automate website management on a website. 54 hours lecture and 18 hours laboratory.

CIS-76B - Introduction to Dreamweaver  3 units
Prerequisite: None.
Advisory: CIS/CAT-95A.
Provides students with the knowledge and skills required to quickly design and implement webpages and to administer and update existing websites using Dreamweaver. The course uses Dreamweaver to streamline and automate website management on a website. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)
CIS-78A - Introduction to Adobe Photoshop 3 units
(Same as CAT-78A)
CSU
Prerequisite: None.
Introduction to Adobe Photoshop including mastery of digital image editing, techniques for selecting, photo correction, manipulating images and vector drawing. This course also provides instruction in retouching images, special effects, working with image color and web page illustrations. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-78B - Advanced Adobe Photoshop 3 units
(Same as CAT-78B)
CSU
Prerequisite: CIS/CAT-78A.
Advanced techniques and methods for using Adobe Photoshop to produce custom graphic solutions. Focus on real-world projects, workflow foundations, adjusting, and optimizing images, and tips and tricks for enhanced image creation. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-79 - Introduction to Adobe Illustrator 3 units
(Same as CAT-79)
CSU
Prerequisite: None.
Fundamentals of Adobe Illustrator, including creating objects, drawing paths and designing with type, creating freehand drawing and illustration, importing and working with graphics. Develop a working knowledge of the processes that generate graphic images: layering, shadowing, and color use. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-80 - Word Processing: Microsoft Word 3 units
(Same as CAT-80)
Prerequisite: None.
Advisory: Typing knowledge/skills with at least 40 wpm.
This course is designed to provide introductory, intermediate and advanced skill levels necessary to produce a variety of professional documents using Microsoft Word, a word processing program. Students will develop skills in word processing techniques and tasks. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-81 - Introduction to Desktop Publishing 3 units
(Same as CAT-81)
CSU
Prerequisite: None.
Page design and layout techniques using Adobe InDesign. Mastery of beginning and intermediate techniques of document creation, including design skills. Successful incorporation of drawing and bit mapped files to create professional printed media. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-84 - Word Processing: WordPerfect for Windows 3 units
(Same as CAT-84)
Prerequisite: None.
Advisory: Typing knowledge/skills with at least 40 wpm.
This course provides introductory, intermediate, and advanced skill levels necessary to produce a variety of professional documents using WordPerfect for Windows, a word processing program. Students will develop skills in word processing techniques and tasks. 54 hours lecture and 18 hours laboratory.

CIS-90 - Microsoft Outlook 3 units
(Same as CAT-90)
Prerequisite: None.
This course utilizes Microsoft Outlook to organize and plan personal and business information. Emphasis is placed on the use of Outlook for communication and sharing information with persons within a company or small business. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-91 - Microsoft Project 3 units
(Same as CAT-91)
Prerequisite: None.
This course utilizes Microsoft Project to build, track and account for variances and changes in the baseline plan. Emphasis is placed on project management, tracking and information analysis. 54 hours lecture and 18 hours laboratory.

CIS-93 - Computers for Beginners 3 units
(Same as CAT-93)
Prerequisite: None.
This course is designed as a practical step-by-step introduction to computer literacy topics including computer hardware and software, application skills, the Internet and Internet searching, Web page creation and computer ethics. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-95A - Introduction to the Internet 1.5 units
(Same as CAT-95A)
CSU
Prerequisite: None.
Skill development in the concepts of the Internet on microcomputer-based systems. This course is designed as a practical step-by-step introduction to working with the Internet using personal computers. 27 hours lecture.

CIS-98A - Introduction to Excel 1.5 units
(Same as CAT-98A)
CSU
Prerequisite: None.
Skill development in electronic spreadsheets using Excel for business and scientific related applications. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)
CIS-98B - Advanced Excel  
(1.5 units) 
Prerequisite: CIS/CAT-98A. 
Advanced concepts of MS-Excel including managing large spreadsheets, creating and working with databases, creating and using templates and macro creation. Spreadsheet manipulation with advanced macro techniques, customizing Excel screen and toolbars and solving problems with goal seeker and solver. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CIS-200 - Computer Information Systems  
(1-2-3-4 units) 
Prerequisite: None. 
Limitation on enrollment: Students must be enrolled in a minimum of 7 units including the work experience units and in a major related to the course. 
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

CSC-2 - Fundamentals of Systems Analysis  
(3 units) 
Prerequisite: None. 
Study of structured systems analysis techniques. Course includes the identification of problems, fact gathering, report analysis, system/data flow analysis, screen/forms design, creation of user documentation/reports, completion of written and verbal presentations and the use of CASE tools. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CSC-5 - Programming Concepts and Methodology I: C++  
(4 units) 
Prerequisite: None. 
Advisory: CIS-1A. 
Introduction to the discipline of computer science incorporating problem definitions, algorithm development, and structured programming logic for business, scientific and mathematical applications. The C++ language will be used for programming problems. 54 hours lecture and 54 hours laboratory.

CSC-6 - Discrete Mathematics for Computer Science  
(3 units) 
Prerequisite: MAT-10. 
Advisory: CIS/CSC-5. 
Fundamental topics for Computer Science, such as logic, proof techniques, sets, basic counting rules, relations, functions and recursion, graphs and trees. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

CSC-7 - Discrete Structures  
(3 units) 
Prerequisite: CIS/CSC-5 
This course is an introduction to the discrete structures used in Computer Science with an emphasis on their applications. Topics covered include: Functions, Relations and Set; Basic Logic; Proof Techniques; Basics of Counting; Graphs and Trees; and Discrete Probability. 54 hours lecture and 18 hours laboratory.

CSC-11 - Computer Architecture and Organization: Assembly  
(3 units) 
Prerequisite: None. 
Advisory: CIS/CSC-5. 
An introduction to microprocessor architecture and assembly language programming. The relationship between the hardware and the software will be studied in order to understand the interaction between a program and the total system. Mapping of statements and constructs in a high-level language onto sequences of machine instructions is studied as well as the internal representation of simple data types and structures. Numerical computation is performed, noting the various data representation errors and potential procedural errors. 54 hours lecture and 18 hours laboratory.

CSC-12 - PHP Dynamic Web Site Programming  
(3 units) 
Prerequisite: None. 
Advisory: CIS/CSC-5 and CIS/CSC-14A or CIS-72A. 
Dynamic web site programming using PHP. Fundamentals of server-side web programming. Introduction to database-driven web sites, using PHP to access a database such as MySQL. Web applications such as user registration, content management, and e-commerce. This course is for students already familiar with the fundamentals of programming and HTML. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)
CSC-14A - Web Programming: JavaScript 3 units
(Same as CIS-14A)
CSU
Prerequisite: None.
Advisory: Previous programming experience and knowledge of HTML, CIS/CSC-5 and CIS-72A.
Fundamentals of JavaScript programming for the world wide web for students already familiar with the fundamentals of programming and HTML. Language features will include control structures, functions, arrays, JavaScript objects, browser objects and events. Web applications will include image rollovers, user interactivity, manipulating browser windows, form validation and processing, cookies, creating dynamic content and Dynamic HTML programming. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CSC-17A - Programming Concepts and Methodology II: C++ 3 units
(Same as CIS-17A)
UC, CSU (C-ID COMP 132)
Prerequisite: CIS/CSC-5.
The application of software engineering techniques to the design and development of large programs; data abstraction, structures, and associated algorithms. A comprehensive study of the syntax and semantics of the C++ language and the methodology of Object-Oriented program development. 54 hours lecture and 18 hours laboratory.

CSC-17B - C++ Programming: Advanced Objects 3 units
(Same as CIS-17B)
UC, CSU
Prerequisite: None.
Advisory: CIS/CSC-17A.
This is an advanced C++ programming course for students familiar with object-oriented programming and utilization of basic graphical interface techniques. An emphasis will be placed on advanced concepts associated with complex Business and Gaming applications that utilize exception handling, multithreading, multimedia, and database connectivity. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CSC-17C - C++ Programming: Data Structures 3 units
(Same as CIS-17C)
UC, CSU
Prerequisite: None.
Advisory: CIS/CSC-17A.
This course offers a thorough presentation of the essential principles and practices of data structures using the C++ programming language. The course emphasizes abstract data types, software engineering principles, lists, stacks, queues, trees, graphs and the comparative analysis of algorithms. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CSC-17D - Data Structures and Algorithms 3 units
(Same as CIS-18D)
UC, CSU
Prerequisite: CIS/CSC-17A.
Data structures such as trees, priority queues, graphs, sets, and maps will be developed using Java. Sorting algorithms will be explored and coded plus random access, indexed and direct files will be created. Indexing techniques for these files will be explored. 54 hours lecture and 18 hours laboratory.

CSC-18A - Java Programming: Objects 3 units
(Same as CIS-18A)
UC, CSU
Prerequisite: None.
Advisory: CIS/CSC-5.
An introduction to Java programming for students already experienced in the fundamentals of programming. An emphasis will be placed upon object-oriented programming. Other topics include graphical interface design and typical swing GUI components. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CSC-18B - Java Programming: Advanced Objects 3 units
(Same as CIS-18B)
UC, CSU
Prerequisite: None.
Advisory: CIS/CSC-18A.
This is an advanced JAVA programming course for students familiar with object-oriented programming and utilization of basic graphical interface techniques. An emphasis will be placed on advanced concepts associated with Business, E-Commerce and Gaming applications that utilize exception handling, multithreading, multimedia, and database connectivity. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CSC-18C - Java Programming: Data Structures 3 units
(Same as CIS-18C)
UC, CSU
Prerequisite: None.
Advisory: CIS/CSC-18A.
This course is designed to be an advanced Java programming course for students familiar with object-oriented programming and database concepts. The major emphasis will be related to concepts of storing and retrieving data efficiently, which are the essential principles and practices of data structures. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CSC-18D - Data Structures and Algorithms 3 units
(Same as CIS-18D)
UC, CSU
Prerequisite: CIS/CSC-18A.
Data structures such as trees, priority queues, graphs, sets, and maps will be developed using Java. Sorting algorithms will be explored and coded plus random access, indexed and direct files will be created. Indexing techniques for these files will be explored. 54 hours lecture and 18 hours laboratory.
CSC-20 - Systems Analysis and Design 3 units
(Same as CIS-20)
CSU
Prerequisite: CIS/CSC-2.
Advisory: Students should have a working knowledge of MS Access.
Structured design techniques for the development and implementation of computerized business applications. Course includes project planning, analysis of current system, design of a new system, implementation, consideration of data base design and development; file organization, and modular programming techniques. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CSC-21 - Introduction to Operating Systems 3 units
(Same as CIS-21)
CSU
Prerequisite: CIS-1A.
An introduction to operating concepts, structure, functions, performance and management is covered. A current operating system, such as Windows, Linux or UNIX is used as a case study. File multi-processing, system security, device management, network operating systems, and utilities are introduced. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CSC-25 - Introduction to Data Communications 3 units
(Same as CIS-25)
CSU
Prerequisite: CIS-1A.
Fundamentals of data communications and network concepts. Emphasis on planning, analyzing, designing, and implementing computer communications networks. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

CSC-27 - Information and Network Security 3 units
(Same as CIS-27)
CSU
Prerequisite: None.
Advisory: CIS-23.
The increased use of the local area networks, data communications and Internet technologies has also increased the need for information security. The course explores topics related to security technology physical design including firewalls, VPNs, ethical and professional issues, and information security maintenance. The course is an elective in the Computer Information Systems Discipline’s Networking Certificate Program. 54 hours lecture.

CSC-28A - MS Access Programming 3 units
(Same as CIS-28A)
CSU
Prerequisite: None.
Advisory: CIS/CSC-5.
Use of the data management program, MS Access, in writing command file programs to automate database management applications with the use of Visual Basic Applications variables, expressions and functions. This course shows students how event driven programs operate. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option)

CSC-61 - Intro to Database Theory 3 units
(Same as CIS-61)
CSU
Prerequisite: None.
This course provides a comprehensive introduction to the design and development of professional database management systems. This course will demonstrate how to build database structures using “Entity-Relationship” models and relationships. The student will encounter design and development techniques for work groups and enterprise level database models. The course will cover the Systems Development Life Cycle, as well as data validation, business rules, security and disaster recovery techniques. 54 hours lecture.

CSC-62 - MS Access DBMS: Comprehensive 3 units
(Same as CIS-62)
Prerequisite: None.
Provides a comprehensive introduction to the implementation of database management systems using Microsoft Access. The student will be provided hands-on experience in modeling work problems and transforming them to a relational data model. The student will design data tables to efficiently store data. The student will be shown techniques for entering, changing, and deleting data using datasheets and forms. The student will learn to filter and modify data using queries and to output data using both forms and reports. Access macros will be applied to forms and reports. The student will be presented with database projects to reinforce their lectures. 54 hours lecture and 18 hours laboratory.

CSC-63 - Introduction to Structured 3 units
Query Language (SQL)
(Same as CIS-63)
Prerequisite: None.
This course provides an introduction to the relational database management system industry standard - Structured Query Language (SQL). Students will analyze, design, and implement database schema using the SQL programming language. SQL will be utilized to develop a database structure (DDL). The student will use SQL to create both Select and action queries(DML). Joins, Unions, Differences and sub-query statements will be covered. Both the Access and Oracle SQL statements will be covered. 54 hours lecture, and 18 hours laboratory.
COSMETOLOGY

The cosmetology curriculum consists of a minimum of, but not limited to, 1600 hours of instruction and requires a 2.0 average or higher in each of the five sequential courses to earn 47.5 units of college credit and a Certificate of Completion in Cosmetology. It prepares the student to qualify for the California State Board of Barbering and Cosmetology examination and the workforce. Upon passing the state examination, the student will be issued a cosmetologist license by the California State Board of Barbering and Cosmetology. Consult the Schedule of Classes for admittance and registration periods.

Requirements for Enrollment
1. Submit RCC online admissions application-select Cosmetology as the major.
2. Apply via WebAdvisor using the Cosmetology Application Form during submission dates.
3. Send one copy of high school transcript to Admissions and Records Office. (If tenth grade has not been completed, make application for equivalency test.)
4. Approximate cost to student:
   (Prices for the kit and textbooks are subject to change, which is beyond our control.) Please call the Cosmetology Department for exact prices (951) 222-8185.
   a) Cosmetology Principles and Practices - approximately $4000 for the total program.
   b) Manicuring and Pedicuring - approximately $1000 for the total program.
   c) Esthetician - approximately $4000 for the total program.

For more information go to www.academic.rcc.edu/cosmetology

COS-60A - Beginning Cosmetology Concepts  11 units
Prerequisite: None.
Limitation on enrollment: Enrollment in the Cosmetology Program.
An introduction to beginning cosmetology concepts, California Board of Barbering and Cosmetology Act and Regulations, cosmetology related sciences, and the practice of cosmetology principles. Theory subjects include: health and safety, cosmetology related sciences, level I hair care, skin care and nail care. Laboratory practices include: health and safety, level I hair care, skin care, and nail care. 144 hours lecture and 186 hours laboratory.

COS-60B - Level II Cosmetology Concepts  10.5 units
Prerequisite: COS-60A.
Limitation on enrollment: Enrollment in the Cosmetology Program.
Level II cosmetology related sciences and the practice of cosmetology principles. Theory subjects include: health and safety, cosmetology related sciences, level II hair care, skin care and nail care. Laboratory practices include: health and safety, level II hair care, skin care, and nail care. 126 hours technical instruction and 204 hours laboratory.

COS-60C - Level III Cosmetology Concepts  10 units
Prerequisite: COS-60B.
Limitation on enrollment: Enrollment in the Cosmetology Program.
Level III study of California Board of Barbering and Cosmetology Act and Regulations, cosmetology related sciences and the practice of cosmetology principles. Theory subjects include: health and safety, level III cosmetology related sciences, level II hair care, skin care, and nail care. Laboratory practices include: health and safety, hair care, skin care, and nail care. 108 hours technical instruction and 222 hours laboratory.

COS-60D - Level IV Cosmetology Concepts  8 units
Prerequisite: COS-60C.
Limitation on enrollment: Enrollment in the Cosmetology Program.
Level IV study of California Board of Barbering and Cosmetology Act and Regulations, cosmetology related sciences and the practice of cosmetology principles. Theory subjects include: health and safety, level IV cosmetology related sciences, advanced level IV hair care, skin care and nail care. Laboratory practices include: health and safety, level IV hair care, skin care, and nail care. 54 hours technical instruction and 276 hours laboratory.

COS-60E - Level V Cosmetology Concepts  8 units
Prerequisite: COS-60D.
Limitation on enrollment: Enrollment in the Cosmetology Program.
Level V study of California Board of Barbering and Cosmetology Act and Regulations, cosmetology related sciences and the practice of cosmetology principles. Theory subjects include: State licensing exam readiness, health and safety, business practices, level V cosmetology related sciences, advanced level V hair care, skin care and nail care. Laboratory practices include: health and safety, level V hair care, skin care, and nail care. 54 hours technical instruction and 276 hours laboratory.

COS-60E1 - Level V Cosmetology Concepts  4 units
Prerequisite: COS-60A.
Limitation on enrollment: Enrollment in the Cosmetology Program.
A study of safety and related hazardous chemicals, principles of salon management, employment skills and opportunities, retailing and salesmanship, and current fashion concepts of hair styling. Advanced level instruction and practice of salon clinic principles, chemical hair relaxing, and manicuring, facials, pedicuring, and current fashion concepts of hair styling. 27 hours lecture and 138 hours laboratory.

COS-60E2 - Level V Cosmetology Concepts  4 units
Prerequisite: COS-60E-1.
Limitation on enrollment: Enrollment in the Cosmetology Program.
An in-depth study relating principles of retailing, advertising and marketing. Current salon concepts and operations mandated by the Board of Barbering and Cosmetology will be practiced. 27 hours lecture and 138 hours laboratory.
COS-61A - Level I Cosmetology Instructor Concepts 7.5 units
Prerequisite: None.
Limitation on enrollment: Cosmetology license issued by the United States.
An introduction to beginning cosmetology instructor pedagogy, California Board of Barbering and Cosmetology Act and Regulations, and the practice of Cosmetology instructor principles. Theory subjects include: basic learning styles and principles, learning environments and teaching plans. Laboratory practices include: oral presentations, audio and visual aids, classroom observations. 54 hours of lecture/technical instruction and 246 hours laboratory.

COS-61B - Level I Cosmetology Instructor Concepts 7.5 units
Prerequisite: COS-61A.
An introduction to beginning cosmetology instructor pedagogy, California Board of Barbering and Cosmetology Act and Regulations, and the practice of Cosmetology instructor principles. Theory subjects include: basic learning styles and principles, learning environments and teaching plans. Laboratory practices include: oral presentations, audio and visual aids, classroom observations. 54 hours of lecture/technical instruction and 246 hours laboratory.

COS-62A - Level I Esthetician Concepts 10 units
Prerequisite: None.
Limitation on enrollment: Enrollment in the Esthetician Program.
An introduction to level I skin care concepts, California Board of Barbering and Cosmetology Act and Regulations, skin care related sciences, and the practice of skin care principles. Theory subjects include: health and safety, skin care related sciences, and level I skin care. Laboratory practices include: health and safety, level I skin care. 113 hours of lecture and 202 hours laboratory.

COS-62B - Level II Esthetician Concepts 10 units
Prerequisite: COS-62A.
Limitation on enrollment: Enrollment in the Esthetician Program.
Level II skin care concepts, California Board of Barbering and Cosmetology Act and Regulations, skin care related sciences, and the practice of skin care principles. Theory subjects include: health and safety, skin care related sciences, and level II skin care. Laboratory practices include: health and safety, level II skin care. 113 hours of lecture and 202 hours laboratory.

COS-64A - Manicuring and Pedicuring 5 units
Prerequisite: None for 64A. Courses will be taken in alphabetical sequence regardless which semester enrollment begins.
This course is designed to prepare the student for a career in manicuring and pedicuring. It is an in-depth scientific study of nail care as related to the practice of manicuring and pedicuring, including the State Board of Cosmetology rules and regulations and Cosmetology Act; related chemistry; bacteriology; sanitation; disinfection; safety precautions; anatomy and physiology; water and oil manicures; pedicuring, artificial nails (liquid and powder techniques) nail tips, nail wraps and repair. Subsequent enrollment in COS-64B will provide the student with an opportunity for additional skill and competency development within the subject matter. 202 hours lecture - demonstration/laboratory.

COS-64B - Manicuring and Pedicuring 5 units
Prerequisite: COS-64A. Courses will be taken in alphabetical sequence regardless which semester enrollment begins.
This course is designed to complete preparation of the student for a career in manicuring and pedicuring. It is an advanced in-depth scientific study of nail care as related to the practice of manicuring and pedicuring, including the State Board of Cosmetology Rules and Regulations and Cosmetology Act; related chemistry; bacteriology; sanitation; disinfection; safety precautions; anatomy and physiology; water and oil manicures; pedicuring, artificial nails (liquid and powder techniques) nail tips, nail wraps and repair. Enrollment in COS-64B will provide the student an opportunity for additional skill and competency development within the subject matter and the hours required by state regulation. 202 hours lecture - demonstration/laboratory.

COS-67ABCD - New Trends and Techniques 2 units
in Hairdressing
Prerequisite: Completion of 1600 hours of cosmetology training or equivalent. Courses will be taken in alphabetical sequence regardless which semester enrollment begins.
Designed for practicing licensed cosmetologists as a review of the new styles and for updating technical knowledge and manipulative skills relating to current styles and trends. Subsequent enrollment in COS-67 B, C, and/or D will provide the student with an opportunity for additional skill and competency development within the subject matter. 27 hours lecture and 27 hours laboratory.

COS-68A - Principles and Practices 2 units
of Competition Hairstyling
Prerequisite: None.
Limitation on enrollment: Currently enrolled cosmetology students.
A specialized course to develop precision performance in hair design at an advanced level of competency. The students will learn to create hairstyles to a high level of perfection. 18 hours lecture and 54 hours laboratory.

COS-68B - Special Artistic Effects Used in 2 units
Competition Hairstyling
Prerequisite: None.
Limitation on enrollment: Currently enrolled cosmetology students.
A specialized course to develop artistic effects in conjunction with competition hairstyling. The students will learn to adapt art principles to enhance original hair designs. 18 hours lecture and 54 hours laboratory.

COS-69ABCD - Men’s Hair Design 2 units
Prerequisite: Completion of 1500 hours of barber training. Courses will be taken in alphabetical sequence regardless which semester enrollment begins.
Course meets requirements to update minimum barber standards of hair design. Subsequent enrollment in COS-69 B, C, and/or D will provide the student an opportunity for additional skill and competency development within the subject matter. 27 hours lecture and 27 hours laboratory.
COS-200 - Cosmetology Work Experience 1-2-3-4 units
Prerequisite: None.
Advisory: Students should have paid or voluntary employment.
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

CULINARY ARTS

Students must submit an online RCC admissions application and a separate culinary online application during submission dates. For more information go to www.academic.rcc.edu/culinary

CUL-20 - Fundamentals of Baking I 2 units
Prerequisite: None.
Study of the effects of the essential ingredients and techniques of baked products; pour and drop batters; soft and stiff doughs; baking times, temperatures and handling techniques. 27 hours lecture and 27 hours laboratory. (Materials fee: $65.00)

CUL-21 - Fundamentals of Baking II 2 units
Prerequisite: None.
Advisory: CUL-20.
Study of advanced professional baking principles and techniques used by hotels and quality restaurant pastry chefs including: types, properties and ingredients of breads, pastries and cakes; soft and stiff doughs; baking times, temperatures and handling techniques. 27 hours lecture and 27 hours laboratory. (Materials fee: $65.00)

CUL-22 - Cake Decorating I 2 units
Prerequisite: None.
This course presents a study of professional baking principles and techniques used by hotel and quality restaurant pastry chefs including fine techniques in fancy, decorative work; preparation and display of fine desserts. Artistic design is used in the presentation of these products. 27 hours lecture and 27 hours laboratory. (Materials fee: $65.00)

CUL-23 - Advanced Cake Decorating 2 units
Prerequisite: CUL-22.
Continued study of advanced professional baking principles and techniques used by hotel and quality restaurant pastry chefs including fine techniques, fancy decorative work, preparation and display of extra fine desserts. This course will focus on decorative works and display pieces made of marzipan and chocolate paste - dark, white and colored. Students will also be taught use of the airbrush on cakes and pastries, spun sugar, flowers and leaves. 27 hours lecture and 27 hours laboratory. (Materials fee: $65.00)

CUL-24 - Techniques of Garde Manger 2 units
Prerequisite: None.
This class teaches techniques used to present cold foods that are artistically beautiful and delicious. Students will learn garnishing techniques using fruits and vegetables as well as carving techniques using salt dough, tallow, weaver’s dough and ice. Special emphasis will be placed on making foods as delicious as they are beautiful. Course topics will include garnishes, salads, sandwiches, crudités, cheeses, pates, terrines, sausages, cured and smoked foods, as well as marinated and composed ingredients. 18 hours lecture and 54 hours laboratory. (Materials fee: $65.00)

CUL-36 - Introduction to Culinary Arts 8 units
Prerequisite: None.
Advisory: REA-95.
Limitation on Enrollment: Negative TB test/chest x-ray within the last three years.
Overview of the culinary arts and the food industry. An introduction to the fundamental knowledge and concepts of basic food preparation, culinary theory and terminology, skills, techniques, use and care of commercial equipment and procedures. Emphasis is given to the study of different production (cooking methods) and product flow. Basic concepts of kitchen organization and operation, heat transfer, use of standardized recipe and recipe conversion, weights and measures, basic menu construction, food composition, nutrition and working methods. Relationship between front and back of the house activities is discussed. Skills and techniques will be developed in the preparation and production of all aspects of breakfast cookery; use of standardized recipes, fruit and vegetable identification, short order cooking, and safety and sanitation. Prepares for entry level skills as a server, breakfast cook, short order cook and bus person. Students will be required to purchase a knife set and five sets of uniforms. Students will earn Presenting Service, ServSafe Certification and CPR Certification as part of their course requirements. 45 hours lecture and 307 hours laboratory.
CUL-37 - Intermediate Culinary Arts 8 units
Prerequisite: CUL-36.
Limitation on enrollment: Negative TB test/chest x-ray within the last three years.
Intermediate level of food preparation and cookery focusing on the handling and preparation of stocks, sauces, soups, meats, poultry, fish and shellfish, vegetables, fruits and starches. Also included are food presentation and garnishes, service line set up; planning, preparation, setup and service of catered events; principles, theory and production of baking including yeast products, quick breads, cakes and icings, cookies, pies, pastries, creams, custards, frozen dessert, and sauces. Students will utilize all dry and moist methods of cooking. Receiving, storage, and issuing procedures are practiced; safety and sanitation procedures are applied. 45 hours of lecture and 307 hours laboratory.

CUL-38 - Advanced Culinary Arts 8 units
Prerequisite: CUL-37.
Limitation on enrollment: Negative TB test/chest x-ray within the last three years.
This course provides comprehensive and advanced principles of classical, modern, and international food preparation, cooking and food service operations. Students will develop food production and service skills by being exposed to quantity cooking methods, the use and care of equipment as they rotate through various positions in the daily operation of a full scale restaurant serving breakfast and lunch. Emphasis will be placed on high standards of quality and efficient preparation, production and food handling of meats, poultry, fish, soups, sauces, sausages and cured food, pates, terrines, and other cold foods. Menu selection and balance, use of recipes and evaluation of food products will be studied. An analysis of the daily operations will focus on consistent or improved performance in a team environment and further development in supervision and restaurant skills. Students will assist in taking responsibility for the management of all parts of the restaurant operation. 45 hours of lecture and 307 hours laboratory.

CUL-40 - Professional Waitstaff Training .5 unit
Prerequisite: None.
This course introduces the skills, techniques and knowledge of professional waitstaff service. The course prepares students to provide the finest waitstaff service in the hospitality industry, and is appropriate for those who are considering entering a waitstaff career to those who are experienced waitstaff professionals seeking to improve skills to impeccable levels. The course covers styles of waitstaff service, interaction with guests, the tools used by professional waitstaff, service preparedness and proper table etiquette. 9 hours lecture and 9 hours laboratory. (Materials fee: $10.00)

CUL-41 - Wine and Food Pairing 2 units
Prerequisite: None.
Limitation on enrollment: Students must be at least 21 years old to sample wines.
This course introduces characteristics of different wine families, the varietals within each family and the characteristics of each varietal that can be used to select the best wine to complement a dish. Students will learn how the climate, topography and geography of a region and even the individual vineyard affects the wine it produces. Students will learn to identify the specific characteristics of each wine varietal and to distinguish between different varietals. Students will learn to read a wine label and choose the best varietals and desired characteristics to complement any food being served. Wines will be sampled during class. 36 hours lecture. (Materials fee: $40.00)

CUL-42 - International Cuisine 2 units
Prerequisite: None.
This class introduces the skills necessary to prepare international foods including traditional methods of preparation and the cultural influences on each dish. Introduces a variety of preparation methods and ingredients of international cuisine including the history, climate and topography of each country and influences on its people. The class teaches skills necessary for great cooking and promotes a global understanding and appreciation of cultures different from one’s own. 18 hours lecture and 54 hours laboratory. (Materials fee: $65.00)

CUL-45 - Cognizant Cuisine: Delicious Decisions for Better Living 1 unit
Prerequisite: None.
A modern philosophy of food responsibility addressing issues of health, economics, community, environment and ethics through consumption of high quality and delicious foods. Course focus is on philosophies and skills that can be utilized by individuals to procure, prepare, and ingest food in the most enjoyable and responsible ways possible. 18 hours lecture and 12 hours laboratory. (Materials fee: $60.00)
DANCE

ACADEMIC COURSES

DAN-6 - Dance Appreciation  3 units
UC, CSU
Prerequisite: None.
A nontechnical course for the general student leading to the appreciation and understanding of dance as a medium of communication, entertainment, and as an art form. Students may not receive credit for both DAN-6 and DAN-6H. 54 hours lecture.

DAN-6H - Honors Dance Appreciation  3 units
UC, CSU
Prerequisite: None.
Limitation on enrollment: Enrollment in the Honors Program.
A non-technical course for the general student leading to the appreciation and understanding of dance as a medium of communication, entertainment, and as an art form. This Honors course offers an enriched experience for accelerated students by means of limited class size, seminar format, discussions and projects generated and led by students, a focus on primary texts in translation, and the applications of higher-level thinking and writing skills - analysis, synthesis, and evaluation. Students may not receive credit for both DAN-6 and DAN-6H. 54 hours lecture.

DAN-7 - Choreography I  2 units
UC, CSU
Corequisite: Concurrent enrollment in or prior completion of DAN-6 or 6H.
The study of dance as an art form with emphasis on the basic elements and forms of dance composition. 18 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-8 - Choreography II  2 units
UC, CSU
Prerequisite: DAN-7.
The continuing study of dance as an art form with emphasis on intermediate level exploration of space, time, and energy as well as crafting techniques and devices used for creating and staging a group work. 18 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-9 - Choreography III  2 units
UC, CSU
Prerequisite: DAN-8.
The continuing study of dance composition with emphasis on improvisation as a choreographic tool. 18 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-12 - Kinesiology for Pilates/Dance  3 units
UC, CSU
Prerequisite: DAN-D47.
This course is designed to provide students with an understanding of the human body in motion as it learns and experiences the repertoire of the Pilates Method of body conditioning and dance. The course addresses the anatomical and biomechanical principles as they apply to these forms of movement. 54 hours lecture.

DAN-13 - Pilates Methodology  2 units
CSU
Prerequisite: DAN-12.
Advisory: Intermediate to advanced-level skills in Pilates.
This course is designed to educate and prepare students to teach the Pilates Method, beginning through advanced, to a variety of populations. Upon successful completion of the course students will be prepared to teach Pilates based matwork and equipment work. Students will be able to teach individual sessions as well as group sessions in Pilates studios as well as gym/fitness establishments. 36 hours lecture.

DAN-14 - Internship in Pilates Education and Teaching  4 units
CSU
Prerequisite: DAN-12.
Supervised experience in the teaching of the Pilates method of conditioning. Students will observe various populations and skill levels of Pilates learners and will research and develop lesson plans for beginning, intermediate and advanced level Pilates classes. Students are required to do 100 hours of observation and 62 hours of teaching under the direction of a certified Pilates teacher. 18 hours lecture and 162 hours of laboratory.

DAN-200 - Dance Work Experience  1-2-3-4 units
CSU
Prerequisite: None.
Advisory: Students should have paid or voluntary employment.
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

ACTIVITY COURSES

DAN-D5 - Summer Showcase Dance Performance  2 units
UC, CSU
Prerequisite: None.
This course is designed to provide students with an opportunity to prepare, perform and appraise choreography in an informal studio setting for public performance. Subsequent enrollment will provide students with opportunities for additional skill and competency development within the subject matter. May be taken a total of three times. 108 hours laboratory. (Letter Grade or Pass/No Pass option.)
DAN-D8 - College Dance Association 1 unit
Rehearsal and Performance
UC, CSU
Prerequisite: None.
Advisory: DAN-7
Limitation on enrollment: Audition on or before the first class meeting.
Prepares dance participants for attendance at American College Dance Association events. Participation in master classes and participation/attendance at adjudication and informal concerts. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D9 - Concert Dance Ensemble .5 unit
UC, CSU
Prerequisite: None.
Advisory: High competence in performance area.
Limitation on enrollment: Audition on or before the first class meeting.
This course is designed to provide students with an opportunity for intensive preparation, performance and appraisal of choreography for public performance. May be taken a total of three times. 27 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D10 - Dance Performance 3 units
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
This course provides the opportunity for students to rehearse and perform in the Student Dance Concert. Auditions are held to determine technical and choreographic skill. Student and faculty dances are performed in concert. May be taken a total of three times. 162 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D11 - Dance Touring Ensemble Rehearsal 2 units
UC, CSU
Prerequisite: None.
Advisory: DAN-D22 or D38 or equivalent dance experience.
Limitation on enrollment: Audition on or before the first class meeting.
In this course, the student develops material for lecture-demonstrations, master classes and mini-concerts. It involves development of the material as well as rehearsal and performance. May be taken a total of three times. 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D12 - Dance Touring Ensemble 2 units
UC, CSU
Prerequisite: DAN-D11.
The student will develop ensemble performance skills through creating, rehearsing and performing a repertory of various dance genres and choreographic styles for the RCC Dance Touring Ensemble school performance season. May be taken a total of three times. 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D13 - Dance Repertoire, Modern 1 unit
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
Develop a concert repertoire in the genre of modern dance, as choreographed by a visiting artist or dance faculty. Rehearsal and practice of a concert piece choreographed by the faculty artist. May be taken a total of three times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D14 - Dance Repertoire, Jazz 1 unit
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
Develop a concert repertoire in the genre of jazz, as choreographed by a visiting artist or dance faculty. Rehearsal and practice of a concert piece choreographed by the faculty artist. May be taken a total of three times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D15 - Dance Repertoire, Ballet 1 unit
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
Develop a concert repertoire in the genre of ballet, as choreographed by a visiting artist or dance faculty. Rehearsal and practice of a concert piece choreographed by the faculty artist. May be taken a total of three times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D16 - Dance Repertoire, Tap 1 unit
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
Develop a concert repertoire in the genre of tap, as choreographed by a visiting artist or dance faculty. Rehearsal and practice of a concert piece choreographed by the faculty artist. May be taken a total of three times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D17 - Dance Repertoire, Ethnic 1 unit
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
Develop a concert repertoire in the genre of ethnic dance, as choreographed by a visiting artist or dance faculty. Rehearsal and practice of a concert piece choreographed by the faculty artist. May be taken a total of three times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
Course Descriptions

DAN-D18 - Dance Performance Production  2 unit
UC, CSU
Prerequisite: None.
Directed dance projects for stage, integrating choreographic design with the elements of dance theatre production, resulting in the public studio or stage performance of works-in-progress or completed works during the semester. Subsequent enrollment will provide the student an opportunity for additional skill and competency development as the sourced choreographic material and technical aspects will vary substantially each time the course is offered. May be taken a total of three times. 36 hours lecture. (Letter Grade, or Pass/No Pass option.)

DAN-D20 - Introduction to Social Dance  1 unit
UC, CSU
Prerequisite: None.
This course is designed to introduce student to social dance technique. Styles to be studied will include Waltz, Cha cha, Fox trot or Swing. DAN-D20, D30, and D31 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D21 - Ballet, Beginning  1 unit
UC, CSU
Prerequisite: None.
This class will provide an opportunity to learn, practice and apply beginning level ballet skills and vocabulary. This class will introduce historical and cultural context of ballet. May be taken a total of four times. DAN-D21, D22, D23, D24, and D25 are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D22 - Ballet, Intermediate  1 unit
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
Learn, practice and apply basic ballet skills learned in beginning ballet to more complex movement phrases and vocabulary characteristic of intermediate level technique. Introduce the study of historical and cultural context of ballet as introduced in beginning ballet. May be taken a total of four times. DAN-D21, D22, D23, D24, and D25 are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D23 - Ballet, Advanced  1 unit
UC, CSU
Prerequisite: DAN-D22.
Learn, practice and apply intermediate ballet skills learned in intermediate ballet toward the refinement of technical and artistic expression characteristic of advanced level technique. The study of historical and cultural context of ballet will be augmented. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D24 - Pointe Technique, Beginning  1 unit
UC, CSU
Prerequisite: DAN-D22 or D23.
Introduction and development of the technical aspects of pointe work in the ballet curriculum. Beginning skills will be the foundation for more demanding vocabulary at the barre, in center work, pirouette technique and turns across the floor. DAN-D21, D22, D23, D24, and D25 are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D25 - Floor Barre  1 unit
UC*, CSU
Prerequisite: None.
This course is designed for students of all levels. Students will concentrate on ballet-based floor exercises designed to build strength and true alignment of the body. By improving flexibility and agility, the students will learn how to prevent injuries and increase movement longevity. DAN-D21, D22, D23, D24, and D25 are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D30 - Social Dance Styles  1 unit
UC, CSU
Prerequisite: None.
This course is designed to provide students with a concentrated focus on a particular social dance style to be chosen from among Tango, Lindy-Hop, Salsa or Nightclub Two-step. DAN-D20, D30, and D31 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D31 - Hip-Hop Dance, Beginning  1 unit
UC, CSU
Prerequisite: None.
Learn, practice and apply beginning hip-hop dance skills and vocabulary. Introduction to the historical and cultural context of hip-hop culture. DAN-D20, D30, and D31 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade or Pass/No Pass option.)
DAN-D32 - Jazz, Beginning  1 unit
UC, CSU
Prerequisite: None.
Learn, practice and apply fundamental jazz dance skills and vocabulary. Introduction to the historical and cultural context of jazz dance. DAN-D32, D33, and D34 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D33 - Jazz, Intermediate  1 unit
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting. Retention based on successful audition.
Learn, practice and apply basic jazz dance skills learned in beginning jazz to more complex movement phrases and vocabulary characteristic of intermediate level technique. Continued study of historical and cultural context of jazz dance as introduced in beginning jazz. DAN-D32, D33, and D34 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D34 - Jazz, Advanced  1 unit
UC, CSU
Prerequisite: DAN-D33.
Learn, practice and apply advanced jazz dance skills and vocabulary with a focus on pre-professional performance skills and advanced musicality. Continued study of the historical and cultural context of jazz as it applies to the genre of Jazz dance. DAN-D32, D33, and D34 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D37 - Modern Dance, Beginning  1 unit
UC, CSU
Prerequisite: None.
Learn, practice and apply fundamental modern dance skills and vocabulary. Introduction to the historical and cultural context of modern dance. May be taken a total of four times. DAN-D37, D38, and D39 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D38 - Modern Dance, Intermediate  1 unit
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
Learn, practice and apply basic modern dance skills learned in beginning modern dance to more complex movement phrases and vocabulary characteristic of intermediate level technique. Continued study of historical and cultural context of modern dance as introduced in beginning modern. May be taken a total of four times. DAN-D37, D38, and D39 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D39 - Modern Dance, Advanced  1 unit
UC, CSU
Prerequisite: DAN-D38.
Learn, practice and apply intermediate modern dance skills learned in intermediate modern dance toward the refinement of technical and artistic expression characteristic of advanced level technique. Continued use of improvisation as applied to performance. The study of historical and cultural context of modern dance will be augmented. May be taken a total of four times. DAN-D37, D38, and D39 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D43 - Tap, Beginning  1 unit
UC, CSU
Prerequisite: None.
Learn, practice and apply fundamental tap dance skills and vocabulary. Introduction to the historical and cultural context of tap dance. DAN-D43, D44, and D45 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D44 - Tap, Intermediate  1 unit
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
Learn, practice and apply basic tap dance skills learned in beginning tap to more complex movement phrases and vocabulary characteristic of intermediate level technique. Tap Dance improvisation will be introduced. Continued study of historical and cultural context of tap dance as introduced in beginning tap. DAN-D43, D44, and D45 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
DAN-D45 - Tap, Advanced 1 unit
UC, CSU
Prerequisite: None.
Learn, practice and apply intermediate level tap dance skills learned in intermediate tap toward the refinement of technical and artistic expression characteristic of advanced level technique. Continue use of improvisation as applied to performance. The study of historical and cultural context of tap dance will be augmented. DAN-D43, D44, and D45 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D46 - Pilates Mat Work 1 unit
UC*, CSU
Prerequisite: None.
This class is structured on the total body floor mat exercises developed by Joseph H. Pilates. Exercises include stretching and strengthening, in a non-impact system of floor work that emphasizes improved alignment, body awareness and control. DAN-D46, D47, D48, D49, D50, and D51 are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D47 - Pilates Beginning 1 unit
UC*, CSU
Prerequisite: None.
This beginning level course in Pilates is based on exercises and concepts developed by Joseph H. Pilates. The course will include mat work and apparatus work on the universal reformer and will emphasize alignment and balance of muscle groups through strengthening, stretching, breathing, and concentration. DAN-D46, D47, D48, D49, D50, and D51 are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D48 - Universal Reformer Technique 1 unit
UC, CSU
Prerequisite: DAN-D49.
Intensive repertoire work on the universal reformer emphasizing alignment and correct balance of muscle groups through strengthening, stretching, breathing, and concentration at an intermediate and advanced level. DAN-D46, D47, D48, D49, D50, and D51 are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D49 - Pilates, Intermediate 1 unit
UC*, CSU
Prerequisite: DAN-D47.
This intermediate level course in Pilates teaches alignment and correctives work based on the concepts and exercises developed by Joseph H. Pilates. The course will include intermediate mat work and apparatus work and will emphasize alignment and balance of muscle groups through a series of intensive strengthening and stretching exercises based on Pilates principles. DAN-D46, D47, D48, D49, D50, and D51 are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D50 - Pilates for Dancers 1 unit
UC*, CSU
Prerequisite: DAN-D47.
Advisory: Dance experience is desirable.
Conditioning and specialized training for dancers using the Pilates Method for the development of dance technique. Includes mat work and apparatus work emphasizing the specialized needs of dancers. DAN-D46, D47, D48, D49, D50, and D51 are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D51 - Pilates, Advanced 1 unit
UC*, CSU
Prerequisite: DAN-D49.
This advanced level course in Pilates teaches alignment and correctives work based on the concepts and exercises developed by Joseph H. Pilates. The course will include advanced mat work and apparatus work and will emphasize alignment and balance of muscle groups through a series of intensive advanced level exercises based on Pilates principles. DAN-D46, D47, D48, D49, D50, and D51 are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D60 - Dance Techniques for Musical Theater .5 unit
UC, CSU
Prerequisite: None.
Principles and techniques of various performance methods, dance genres, and styles involved in performing dance for the musical theater. Genres/styles to be studied may include jazz, tap, modern, ballet and ethnic/world dance. 27 hours laboratory. (Letter Grade, or Pass/No Pass option.)
EARLY CHILDHOOD EDUCATION

EAR-19 - Observation and Assessment in Early Childhood Education
CSU (C-ID ECE 200)
Prerequisite: None.
This course focuses on the appropriate use of a variety of assessment and observation strategies to document child development and behavior. Child observations will be conducted and analyzed. 54 hours lecture.

EAR-20 - Child Growth and Development
UC, CSU (C-ID CDEV 100)
Prerequisite: None.
This introductory course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, both typical and atypical, from conception through adolescence. There will be an emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages. Outside observations required. 54 hours lecture.

EAR-23 - Family Home Child Care Program
CSU
Prerequisite: None.
This course is designed to meet the specific needs of the family child care provider. Emphasis will be given to licensing regulations, recordkeeping, developing contracts, child development, and creating partnerships with parents. Topics include creating appropriate environments, using appropriate positive guidance techniques, and planning and implementing developmentally appropriate curricula for mixed-age groups of children. Outside observations required. 54 hours lecture.

EAR-24 - Introduction to Curriculum
CSU (C-ID ECE 130)
Prerequisite: None.
This course presents an overview of knowledge and skills related to providing appropriate curriculum and environments for young children from birth to age 6. Students will examine a teacher's role in supporting development and engagement for all young children. This course provides strategies for developmentally-appropriate practice based on observation and assessments across the curriculum, including: academic content areas; play, art, and creativity; and development of social-emotional, communication, and cognitive skills. 54 hours lecture.

EAR-25 - Teaching in a Diverse Society
CSU (C-ID ECE 230)
Prerequisite: None.
This course will examine the development of social identities in diverse societies including theoretical and practical implications affecting young children, families, programs, teaching, education and schooling. Culturally relevant and linguistically appropriate anti-bias approaches supporting all children in becoming competent members of a diverse society. Course involves self-reflection of one’s own understanding of educational principles in integrating anti-bias goals in order to better inform teaching practices and/or program development. 54 hours lecture.

EAR-26 - Health, Safety and Nutrition
CSU (C-ID ECE 220)
Prerequisite: None.
Introduction to the laws, regulations, standards, policies and procedures and early childhood curriculum related to child health safety and nutrition. The key components that ensure physical health, mental health and safety for both children and staff will be identified along with the importance of collaboration with families and health professionals. Focus on integrating the concepts into everyday planning and program development. 54 hours lecture.

EAR-28 - Principles and Practices of Teaching Young Children
CSU (C-ID ECE 120)
Prerequisite: None.
An examination of the underlying theoretical principles of developmentally appropriate practices applied to programs, environments, emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, creative and intellectual development for all young children. This course includes a review of the historical roots of early childhood programs and the evolution of the professional practices promoting advocacy, ethics, and professional identity. 54 hours lecture.

EAR-30 - Practicum in Early Childhood Education
CSU (C-ID ECE 210)
Prerequisite: EAR-20, 24, 28 and 42.
In this course the student will practice and demonstrate developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning, and assessment; and knowledge of curriculum content areas will be emphasized as student teachers design, implement and evaluate experiences that promote positive development and learning for all young children. Lab hours will be completed under the direction of a qualified Master Teacher (Child Development Permit Matrix, California Commission on Teacher Credentialing) with 3 units of supervised field experience in ECE setting. 36 hours lecture and 108 hours laboratory.
EAR-33 - Infant and Toddler Development  3 units  
CSU  
Prerequisite: None.  
A study of infants and toddlers from pre-conception to age three including physical, cognitive, language, social, and emotional growth and development. Applies theoretical frameworks to interpret behavior and interactions between heredity and environment. Emphasizes the role of family and relationships in development. 54 hours lecture.

EAR-34 - Infant and Toddler Care and Education  3 units  
CSU  
Prerequisite: None.  
Applies current theory and research to the care and education of infants and toddlers in group settings. Examines essential policies, principles and practices that lead to quality care and developmentally appropriate curriculum for children birth to 36 months. 54 hours lecture.

EAR-35 - Internship in Infant and Toddler Care  3 units  
CSU  
Prerequisite: EAR-20.  
Advisory: EAR-33 and 34.  
This is a supervised teaching experience in the care and education of infants and toddlers. Emphasis is on applying the principles and practices of high quality infant care programs. Students will participate in and ultimately plan and develop a comprehensive infant/toddler program consistent with Title 22 licensing regulations and the physical, emotional, social, cognitive, and creative needs of the infant/toddler. 36 hours lecture and 54 hours laboratory work in an approved infant/toddler program under the direction of a Master Teacher with appropriate Infant-Toddler units required.

EAR-37 - School Age Child Care  3 units  
CSU  
Prerequisite: EAR-20.  
This course provides school-age child care givers with methods and activities appropriate for after school care of 5-11 year olds. Emphasis will be placed on differentiating between the needs of the school-aged child after school as opposed to during school. Planning will include methods for integrating the school-aged child’s interests and abilities into a developmentally appropriate curriculum to meet individual needs. 54 hours lecture.

EAR-38 - Adult Supervision and Mentoring in Early Care and Education  3 units  
CSU  
Methods and principles of supervising student teachers, volunteers, staff, and other adults in early care and education settings. Emphasis is on the roles and development of early childhood professionals as mentors and leaders. 54 hours lecture.

EAR-40 - Introduction to Children with Special Needs  3 units  
CSU  
Prerequisite: None.  
Introduces variations in development of children with special needs ages birth through eight and the resulting impact on families. Includes an overview of historical and societal influences, laws relating to children with special needs, and the identification and referral process. This course will include required observations of programs for infants and children with special needs and their families. 54 hours lecture.

EAR-41 - Practicum in Early Intervention/ Special Education  4 units  
CSU  
Prerequisite: EAR-20, 24, 28 and 42.  
Advisory: EAR-40 or 46.  
This course provides students with hands-on experience working with infants, toddlers and young children with special needs in a variety of early intervention and educational settings, including natural environments, self-contained and fully-included early childhood classrooms. It integrates learned theoretical models to real-life situations and affords students opportunities for supervised practice as an assistant in an early childhood special education setting, home visiting program or as an early intervention support person in a general education classroom. 36 hours lecture and 108 hours laboratory.

EAR-42 - Child, Family, and Community  3 units  
CSU (C-ID CDEV 110)  
Prerequisite: None.  
An examination of the developing child in a societal context which focuses on the interrelationships of family, school, and community and emphasizes historical and socio-cultural factors. The processes of socialization and identity development will be highlighted. 54 hours lecture.

EAR-43 - Children with Challenging Behaviors  3 units  
CSU  
Prerequisite: EAR-19 and 20.  
This course provides an overview of the developmental, environmental and cultural factors that impact the behavior of young children, including family stressors, child temperament, violence, attachment disorders, and special needs; and proactive intervention and prevention techniques. Topics include reasons why children misbehave, how to carefully observe a child, how to create a positive environment to encourage appropriate behavior, and how to effectively address many types of behaviors including those that are aggressive and antisocial, disruptive, destructive, emotional and dependent. Outside observations required. 54 hours lecture.
EAR-44 - Administration I: Programs in Early Childhood Education
CSU
Prerequisite: EAR-20, 24, 28 and 42.
Introduction to the administration of early childhood programs. Covers program types, budget, management, regulations, laws, development and implementation of policies and procedures. Examines administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program. 54 hours lecture.

EAR-45 - Administration II: Personnel and Leadership in Early Childhood Education
CSU
Prerequisite: EAR-20, 24, 28, and 42.
Effective strategies for personnel management and leadership in early care and education settings. Includes legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program. 54 hours lecture.

EAR-46 - Curriculum and Strategies for Children with Special Needs
CSU
Prerequisite: None.
Advisory: EAR-40.
Covers curriculum and intervention strategies for working with children with special needs in partnership with their families. Focuses on the use of observation and assessment in meeting the individualized needs of children in inclusive and natural environments. Includes the role of the teacher as a professional working with families, collaboration with interdisciplinary teams, and cultural competence. 54 hours lecture.

EAR-47 - Childhood Stress and Trauma
CSU
Prerequisite: None.
This course is a comprehensive overview of concepts, theories, and issues related to childhood stress and trauma. Emphasis is on the short- and long-term effects that stress and trauma have on the physical, cognitive, language, social, and emotional stages of a child’s development. Students will be introduced to child behavior patterns and potential responses to stress and trauma. Students will examine research and innovative methods that support the child’s coping skills and healing process. This course is designed to develop an understanding of how children react and adapt to stress and trauma, and what parents and early childhood practitioners can do to assist children. 54 hours lecture.

EAR-52 - Parenting: Parents as Teachers
Prerequisite: None.
Explores the parents’ role in a child’s process of learning. This course presents a variety of methods and techniques a parent can utilize to facilitate the development of a child’s intellectual, social, emotional and physical skills. 18 hours lecture.

EAR-53 - Parenting: Guiding Young Children - Approaches to Discipline
Prerequisite: None.
An examination of various theoretical approaches to child guidance with an overview of social and emotional development in young children and the need for guidance. Exploration about how values that people hold influence and shape the behavior of young children. Problem-solving techniques that utilize positive behavioral support methods will be examined and discussed. 36 hours lecture.

EAR-54 - Parenting: Contemporary Parenting - Issues and Problems
Prerequisite: None.
This course is designed to explore how the concept of childhood in society and children’s position has changed. It will examine historical antecedents of change in relation to the new position of parents in society and adult/child relationships of today. It will also attempt to relate how changes in society and forces impacting on this change influence child-rearing. Issues addressed will include obesity, divorce, school structures, the sexual acceleration of child-rearing, and media/technology influences. 18 hours lecture.

EAR-55 - Parenting: Common Problems in Infancy and Childhood
Prerequisite: None.
A course designed to study and examine some of the difficult behaviors that even normal and well-adjusted children exhibit. It will present common problems like disruptive children, shyness, fearfulness, aggressiveness, thumb sucking and others. 18 hours lecture.

EAR-200 - Early Childhood Studies
Prerequisite: None.
Advisory: Student should have paid or voluntary employment.
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WFX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)
### ECONOMICS

**ECO-4 - Introduction to Economics**  
3 units  
UC*, CSU  
**Prerequisite:** None.  
An entry-level, general education course which introduces and surveys basic macroeconomic and microeconomic principles. This course emphasizes the causes and consequences of the business cycle on output, employment, and prices as well as, basic supply and demand analysis across different market structures. Analysis further includes the role of the government in the macro-economy and the micro-economy. 54 hours lecture.

**ECO-5 - Economics of the Environment**  
3 units  
UC, CSU  
**Prerequisite:** None.  
**Advisory:** Qualification for ENG-1A.  
Economics 5 searches for an economic understanding of contemporary environmental problems. Economic theory is used to explain why there is inefficient resource use and pollution. Public policy to correct environmental problems is examined critically, looking at the costs and benefits of such programs as Superfund cleanup, government regulation, and market incentives. The course also studies the effect of environmental problems and policies on wealth distribution, economic growth and international relations. 54 hours lecture.

**ECO-6 - Introduction to Political Economy**  
3 units  
(Same as POL-6)  
UC, CSU  
**Prerequisite:** None.  
**Advisory:** Qualification for ENG-1A.  
This course will examine the historical, structural, and cultural elements in the development of international political economy. Topics covered will include the relation of politics and economics on development, globalization, national institutions, social groups and classes, and democracy. 54 hours lecture.

**ECO-7 - Principles of Macroeconomics**  
3 units  
UC, CSU (C-ID ECON 202)  
**Prerequisite:** MAT-52.  
**Advisory:** MAT-35 and qualification for ENG-1A.  
Economic theory and analysis as applied to the U.S. economy as a whole. Emphasizes aggregative economics dealing with the macroeconomic concepts of national income and expenditure, aggregate supply and demand, fiscal policy, monetary policy, and economic stabilization and growth. Students may not receive credit for both ECO-7 and ECO-7H. 54 hours lecture.

**ECO-7H - Honors Principles of Macroeconomics**  
3 units  
UC, CSU (C-ID ECON 202)  
**Prerequisite:** MAT-52.  
**Advisory:** MAT-35 and qualification for ENG-1A.  
**Limitation on enrollment: Enrollment in the Honors Program.**  
Economic theory and analysis as applied to the U.S. economy as a whole. Emphasizes the enhanced exploration of aggregative economics dealing with the macroeconomic concepts of national income and expenditure, aggregate supply and demand, fiscal policy, monetary policy, and economic stabilization and growth. This honors course offers an enriched experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher order critical thinking skills. Students may not receive credit for both ECO-7 and ECO-7H. 54 hours lecture.

**ECO-8 - Principles of Microeconomics**  
3 units  
UC, CSU (C-ID ECON 201)  
**Prerequisite:** MAT-52.  
**Advisory:** MAT-35 and qualification for ENG-1A.  
Economic theory and analysis as applied to consumer and producer behavior in markets. Emphasizes the allocation of resources and the distribution of income through the price mechanism, and deals with the microeconomic concepts of equilibrium in product and factor markets, perfect and imperfect competition, government intervention in the private sector, and international trade and finance. Students may not receive credit for both ECO-8 and ECO-8H. 54 hours lecture.

**ECO-8H - Honors Principles of Microeconomics**  
3 units  
UC, CSU (C-ID ECON 201)  
**Prerequisite:** MAT-52.  
**Advisory:** MAT-35 and qualification for ENG-1A.  
**Limitation on enrollment: Enrollment in the Honors Program.**  
Economic theory and analysis as applied to consumer and producer behavior in markets. Emphasizes the allocation of resources and the distribution of income through the price mechanism, and deals with the microeconomic concepts of equilibrium in product and factor markets, perfect and imperfect competition, government intervention in the private sector, and international trade and finance. This honors course offers an enriched experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher level critical thinking skills. Students may not receive credit for both ECO-8 and ECO-8H. 54 hours lecture.
ECO-9 - Economics of Poverty and Discrimination  3 units
CSU
Prerequisite: None.
Advisory: MAT-35 and eligibility for ENG-1A.
This course examines the phenomenon of poverty and the role of
discrimination as a potential contributing cause. The course has a
strong policy focus including examination of recent policy debates
on welfare reform and affirmative action. The course begins with a
discussion of the definition and measurement of the poor in the US
and in developing economies. This discussion is followed by an
examination of differing views of the causes of poverty. Next, the
role of racial, class, and sex discrimination in both education and
the labor market is considered. The remainder of the class focuses
on policy options including welfare programs, employment
policies, and equal opportunity policies. 54 hours lecture.

ECO-10 - Economics and Personal Decision-Making  3 units
UC, CSU
Prerequisite: None.
An entry-level, general education course which will provide a
foundational understanding for making informed personal
decisions. Students will learn fundamental economic concepts,
paradigms, and theories and learn how to use them to make optimal
decisions in their personal experiences in the market for goods and
services, the labor market, and the credit market. Real world topics
covered will include money management, spending and credit,
saving and investing, small business financing, and insurance and
taxation. 54 hours lecture.

EDUCATION

EDU-1 - Introduction to Elementary  4 units
Classroom Teaching
UC, CSU (C-ID EDUC 200)
Prerequisite: None.
This course introduces students to the concepts and issues related to
teaching diverse learners in today’s contemporary schools,
Kindergarten through grade 12 (K-12). Topics include teaching as a
profession and career, historical and philosophical foundations of
the American education system, contemporary educational issues,
California’s content standards and frameworks, and teacher
performance standards. In addition to class time, the course
requires a minimum of 54 hours of structured fieldwork in public
school elementary classrooms that represent California’s diverse
student population, and includes cooperation with at least one
carefully selected and campus-approved certificated classroom
teacher. 54 hours lecture.

EDU-51 - Leadership Development Studies  3 units
CSU
Prerequisite: None.
Designed to provide emerging and existing leaders the opportunity
to explore the concept of leadership and to develop and improve
their leadership skills. The course integrates readings from the
humanities, experiential exercises, films and contemporary
readings on leadership. Course emphasis is placed on assessing
leadership skills, evaluating interactions among leaders and
followers, situations, communicating within groups, managing
conflict, goal setting and delegating tasks. 36 hours lecture and 54
hours laboratory. (Letter Grade or Pass/No Pass option.)

EDU-200 - Education Work Experience  1-2-3-4 units
CSU*
Prerequisite: None.
Advisory: Students should have paid or voluntary employment.
This course is designed to coordinate the student’s occupational on-
the-job training with related instruction in work-related skills.
Students may earn up to four (4) units each semester for a
maximum of 16 units of work experience. No more than 20 hours
per week may be applied toward the work requirement. Students
enrolling in WKX-200 are administratively moved to the
appropriate general or occupational work experience course after
the first class meeting based upon several factors, including the
number of hours worked during the semester, occupational program
requirements, and type of work in which the student is engaged. 18
hours orientation and 60 hours of volunteer work experience
(maximum of 240 hours) or 75 hours of paid work experience
(maximum of 300 hours) are required for each enrolled unit. (Letter
Grade or Pass/No Pass option.)
ENGINEERING

Instruction in the engineering major is based upon high school chemistry or physics and four years of high school mathematics, including intermediate and advanced algebra and trigonometry.

LOWER DIVISION ENGINEERING CURRICULUM

The Statewide Engineering Liaison Committee encourages engineering transfer students to complete prescribed Engineering Core and obtain verification of that at the community college to assure transferability as a junior to any UC, CSU, and selected private four-year college and/or university in the state.

Riverside Community College District’s courses which are equivalent to the Engineering Core requirements are listed as follows:

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>MAT-1A, 1B</td>
<td>8</td>
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<tr>
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<td>4</td>
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<td>TOTAL</td>
<td>48</td>
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</tbody>
</table>

Electives

Possible courses include, but are not limited to, the following. Choice depends on the engineering major requirements and specific engineering option at the school where graduation is expected.

- ENE-1A - Plane Surveying, I  3 units
  - CSU
  - Prerequisite: None.
  - Advisory: MAT-36.
  - Fundamental surveying methods and procedures as applied to land measurement, building trades and route location. Taping, leveling and angle measurements are studied, as are the analysis and adjustment of the measurements. 36 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

- ENE-1B - Plane Surveying, II  3 units
  - CSU
  - Prerequisite: ENE-1A.
  - Emphasis upon adjustment techniques and greater depth in error theory. Traverses and triangulation surveys are studied with elements of topographic surveying. Special problems similar to those encountered in actual practice. 36 hours lecture and 54 hours field laboratory. (Letter Grade, or Pass/No Pass option.)

- ENE-4 - Introduction to Engineering Design  3.5 units
  - UC, CSU
  - Prerequisite: None.
  - Students will develop an understanding of engineering design including the role of troubleshooting, research and development, invention and innovation, and experimentation in problem solving in order to produce a product. 54 hours lecture and 27 hours laboratory. (Letter Grade, or Pass/No Pass option.)

- ENE-5A - Engineering Principles I  3 units
  - UC, CSU
  - Prerequisite: None.
  - Advisory: MAT-36.
  - First in a two-part series of project-based courses that demonstrates mastered skills in all fields of engineering. Course embraces the tenets of project-based learning, where students develop specific projects in mechanics, electrical and control systems. 36 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

- ENE-5B - Engineering Principles II  3 units
  - CSU
  - Prerequisite: ENE-5A.
  - Advisory: PHY-2A.
  - Second in a two-part series of project-based courses that demonstrate skill mastery in all fields of engineering. These projects include design and execution of engineering systems such as thermodynamics, statics, strength of materials, engineering reliability and, as a capstone project, the design and implementation of an electrical/electronic marble sorter. 36 hours lecture and 54 hours laboratory.
ENE-10 - Introduction to Engineering 1 unit
UC, CSU
Prerequisite: None.
An introduction to the career opportunities and skills needed as an engineer. Various forms of engineering communication including laboratory report writing, graphical presentations, and problem solving format are presented. The scientific method of investigation is covered. This course is recommended for all students considering career possibilities in engineering and/or engineering technology. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENE-21 - Drafting 3 units
UC, CSU
Prerequisite: None.
Fundamentals of mechanical drawing including lettering, instruments and their uses, geometric construction, types of projection, freehand drawing, sectioning, dimensioning, auxiliary views, and pictorial drawing. Recommended for beginners and students with up to one year of drafting in high school. 27 hours lecture and 90 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ENE-35 - Statics (Engineering Mechanics) 3 units
UC, CSU
Prerequisite: PHY-4A.
A study of force and equilibrium problems, free body diagram techniques, friction problems, second moments and moments of inertia, and their application to engineering. Algebraic, vector and classical, and graphical methods of calculation. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENE-38 - Introduction to Programming Concepts and Methodologies for Engineers 3 units
UC
Prerequisite: MAT-10.
The purpose of this course is to expose students to the fundamental concepts of procedure-oriented programming, associated abstraction mechanisms and design processes, data structures and handling, along with interfacing software with the physical world (e.g., the use of sensors), and the application of numerical techniques. 36 hours lecture and 54 hours laboratory.

ENE-39 - Engineering Circuit Analysis 4 units
UC
Prerequisite: PHY-4B.
Corequisite: Concurrent enrollment in or prior completion of MAT-2.
An introduction to the analysis of electrical circuits. Use of analytical techniques based on the application of circuit laws and network theorems. Analysis of DC and AC circuits containing resistors, capacitors, inductors, dependent sources, operational amplifiers, and/or switches. Natural and forced responses of first and second order RLC circuits; the use of phasors; AC power calculations; power transfer; and energy concepts. 54 hours lecture and 54 hours laboratory.

ENE-51 - Blueprint Reading 2 units
Prerequisite: None.
A beginning course in the study of blueprints and their interpretation, types of projection, symbols and abbreviations. This course is designed for students interested in print reading for the machine trades. 27 hours lecture and 27 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ENE-60 - Math for Engineering Technology 3 units
Prerequisite: None.
A course in mathematical problems frequently used by students enrolled in the trade and industrial and engineering programs. This course reviews basic arithmetic, linear measurement, basic algebra, basic plane geometry, trigonometry, and compound angles. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-1A - English Composition 4 units
UC, CSU (C-ID ENGL 100)
Prerequisite: ENG-50 or 80 or qualifying placement level.
Emphasizes and develops skills in critical reading and academic writing. Reading and writing assignments include exposition, argumentation, and academic research. Students will write a minimum of 10,000 words. Classroom instruction integrates Writing and Reading Center activities. Students may not receive credit for both ENG-1A and ENG-1AH. 72 hours lecture and 18 hours laboratory.

ENG-1AH - Honors English Composition 4 units
UC, CSU (C-ID ENGL 100)
Prerequisite: ENG-50 or 80 or qualifying placement level.
Limitation on enrollment: Enrollment in the Honors Program.
Emphasizes and develops skills in critical reading and academic writing. Reading and writing assignments include exposition, argumentation, and academic research. Students will write a minimum of 10,000 words. Honors course offers an enriched experience for accelerated students through limited class size; seminar format; focus on primary texts; and application of higher level critical thinking skills. Students may not receive credit for both ENG-1A and ENG-1AH. 72 hours lecture and 18 hours laboratory.
ENG-1B - Critical Thinking and Writing  4 units
UC, CSU (C-ID ENGL 105 and ENGL 110)  
Prerequisite: ENG-1A or 1AH.  
Building on the rhetorical skills learned in ENG-1A, students will analyze, interpret, and synthesize diverse texts in order to construct well-supported academic arguments and literary analyses. Composition totaling a minimum of 10,000 words serves to correlate writing and reading activities. Classroom activities integrate with Writing and Reading Center activities. Students may not receive credit for both ENG-1B and ENG-1BH. 72 hours lecture and 18 hours laboratory.

ENG-1BH - Honors Critical Thinking and Writing  4 units
UC, CSU (C-ID ENGL 105 and ENGL 110)  
Prerequisite: ENG-1A or 1AH.  
Limitation on enrollment: Enrollment in the Honors Program.  
Building on the rhetorical skills learned in ENG-1A or 1AH, students will analyze, interpret, and synthesize diverse texts in order to construct well-supported academic arguments and literary analyses. Composition totaling a minimum of 10,000 words serves to correlate writing and reading activities. Classroom activities integrate with Writing and Reading Center activities. This honors course offers an enriched experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher level critical thinking skills. Students may not receive credit for both ENG-1B and ENG-1BH. 72 hours lecture and 18 hours laboratory.

ENG-4 - Writing Tutor Training  2 units
CSU  
Prerequisite: ENG-1A or 1AH.  
Designed to prepare students to become peer tutors in the Writing Center. Participants learn specific tutoring techniques and discuss problems, questions, and challenges in tutoring writing. Tutors develop student-centered, non-intrusive tutoring skills that avoid “appropriating the text” (i.e., becoming a proofreader, editor, or co-author). Topics include theory and practice of tutoring writing, including writing as a process, interpersonal communication techniques, cross-cultural tutoring, group learning, and computer programs applicable to writing instruction. 27 hours lecture and 27 hours laboratory.

ENG-6 - British Literature I: Anglo-Saxon  3 units through Eighteenth Century
UC, CSU (C-ID ENGL 160)  
Prerequisite: ENG-50 or 80 or eligibility for ENG-1A.  
Advisory: ENG-1B or 1BH.  
A survey of British literature from the eighth century AD to 1800, including a comprehensive exposure to the poetry, drama, and fiction of this era as well as a basic understanding of the cultural, intellectual, and artistic trends it embodies. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-7 - British Literature II: Romanticism  3 units through Modernism/Postmodernism
UC, CSU (C-ID ENGL 165)  
Prerequisite: ENG-50 or 80 or eligibility for ENG-1A.  
Advisory: ENG-1B or 1BH.  
A survey of British literature from 1800 to the present, including a comprehensive exposure to the poetry, drama, and fiction of this era as well as a basic understanding of the cultural, intellectual, and artistic trends it embodies. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-8 - Introduction to Mythology  3 units
(Same as HUM-8)  
UC, CSU  
Prerequisite: None.  
Advisory: ENG-1B or 1BH.  
A study of Greco-Roman and other mythological traditions. Emphasizes the historical sources and cultural functions of myths and legends in ancient societies and their continuing relevance to modern thought and culture. 54 hours lecture.

ENG-9 - Introduction to Shakespeare  3 units
UC, CSU  
Prerequisite: None.  
Advisory: ENG-1B or 1BH.  
A survey of Shakespeare’s plays and poetry, with the primary emphasis on exposing students to a representative sampling of his dramatic works and to the cultural, intellectual, and artistic contexts for his work. Both students who have read Shakespeare before and students who have no experience with Shakespeare are encouraged to take this class. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-10 - Special Studies in Literature  3 units
CSU  
Prerequisite: None.  
Advisory: ENG-1B or 1BH.  
Designed to provide students with opportunities to focus on specialized areas of literature and/or specific authors, genres or literary themes. Topics are selected according to student and instructor interest and needs. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-11 - Creative Writing  3 units
UC, CSU (C-ID ENGL 200)  
Prerequisite: ENG-1A or 1AH.  
Studies in fundamental principles and practice of writing fiction and poetry. Lectures and discussions emphasize analysis of professional examples of creative writing and study of creative writing theory. In-class workshops provide practice in creative writing techniques. In-class and out-of-class class writing assignments provide practice in writing techniques and in peer- and self-analysis. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
ENG-12 - Special Studies in Creative Writing 3 units
CSU
Prerequisite: None.
Advisory: ENG-1A or 1AH.
Studies in the principles and practice of specialized areas of creative writing, such as genre writing, blogging, travel writing, the personal essay, long form writing. Lectures and discussions emphasize analysis of professional examples of creative writing and study of creative writing theory. In-class workshops provide practice in creative writing techniques. In-class and out-of-class writing assignments provide practice in writing techniques as well as peer- and self-analysis. Topics are selected according to student and instructor needs and interest. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-13 - Introduction to Playwriting 3 units
CSU
Prerequisite: None.
Advisory: Qualification for ENG-1A.
Explores the fundamentals of writing for the theatre through the experience of playwriting, play analysis, and study of the theatrical apparatus. Lectures and discussion emphasize historical and contemporary theories of world drama, dramatic structure, characterization, dialogue and monologue, and the role of the playwright within the collaborative art form of live performance. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-14 - American Literature I: Pre-Contact 3 units
through Civil War
UC, CSU (C-ID ENGL 130)
Prerequisite: ENG-50 or 80 or eligibility for ENG-1A.
Advisory: ENG-1B or 1BH.
A survey of American literature from the pre-contact period to the Civil War, including a comprehensive exposure to the prose, poetry, and fiction of this era as well as a basic understanding of the cultural, intellectual, and artistic trends it embodies. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-15 - American Literature II: 1860 to the Present 3 units
UC, CSU (C-ID ENGL 135)
Prerequisite: ENG-50 or 80 or eligibility for ENG-1A.
Advisory: ENG-1B or 1BH.
A survey of American literature from 1860 to the present, including a comprehensive exposure to the prose, poetry, fiction and drama of this era as well as a basic understanding of the cultural, intellectual and artistic trends it embodies. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-16 - Introduction to Linguistics 3 units
UC, CSU
Prerequisite: None.
Advisory: Qualification for ENG-1A.
A survey of language structure, theory and development, including a study of phonetics, phonology, morphology, semantics and syntax, language variation and change, language acquisition, and the psychological and social issues involved in language learning. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-17A - Literary Magazine Production: Beginning 2 units
CSU
Prerequisite: None.
Advisory: ENG-1A or 1AH.
Beginning-level literary magazine production with an emphasis on both theory and practice. Qualified students may serve in various capacities, though all will be involved in editorial work. 18 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option)

ENG-17B - Literary Magazine Production: Intermediate 2 units
CSU
Prerequisite: ENG-17A.
Advisory: ENG-1A or 1AH.
Intermediate-level literary magazine production with an emphasis on both theory and practice. Qualified students may serve in various capacities, though all will be involved in editorial work. 18 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option)

ENG-17C - Literary Magazine Production: Advanced 2 units
CSU
Prerequisite: ENG-17B.
Advisory: ENG-1A or 1AH.
Advanced-level literary magazine production with an emphasis on both theory and practice. Qualified students may serve in various capacities, though all will be involved in editorial work. 18 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option)

ENG-18 - Survey of Native American Literature 3 units
UC, CSU
Prerequisite: None.
Advisory: ENG-1B or 1BH.
A survey of Native American literature from early oral narrative to contemporary literature. Includes a comprehensive exposure to Native American prose, poetry, oratory, essay and modern fiction and a basic introduction to the cultural, social, intellectual and artistic trends of Native American culture and their relationship to contemporary literature. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-20 - Survey of African American Literature 3 units
UC, CSU
Prerequisite: None.
Advisory: ENG-1B or 1BH.
A survey of African American literature from the early oral tradition to the present, including a comprehensive exposure to African American prose, poetry, and fiction as well as a basic understanding of the cultural, intellectual and artistic trends of African American culture and the relationship to contemporary literature. Students who have taken both ENG-21 and ENG-22 may not receive credit for ENG-20. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
ENG-23 - The Bible as Literature 3 units
(UC, CSU)
Prerequisite: None.
Advisory: ENG-1B or 1BH and REA-83.
A survey of the Hebrew Bible and New Testament with emphasis on literary form, styles, and themes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-25 - Latino Literature of the United States 3 units
(UC, CSU)
Prerequisite: None.
Advisory: ENG-1B or 1BH.
A survey of the regional United States in all genres from the early oral traditions, chronicles and epic poems of the 15th through 19th centuries to the essays, poems, plays and novels of 20th century authors. The course will also explore Latino history, culture and identity as expressed in the writings of American Latino writers. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-30 - Children’s Literature 3 units
(UC, CSU) (C-ID ENGL 180)
Prerequisite: ENG-50 or 80 or eligibility for ENG-1A.
A general survey of children’s literature from early times, with emphasis on contemporary works, including fantasy/science fiction, realistic, multicultural, and historical fiction. Both oral and written assignments are required. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-34 - Literature by Women 3 units
(UC, CSU)
Prerequisite: None.
Advisory: ENG-1B or 1BH.
A study of literary works by female authors with unique and/or representative voices emphasizing the cultural or historical factors that have contributed to the creation of these fictional works. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-35 - Images of Women in Literature 3 units
(UC, CSU)
Prerequisite: None.
Advisory: ENG-1B or 1BH.
A study of images of women in literature which includes male and female authors and explores the cultural, sociological, political and economic bases for historical and contemporary literary images of women. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-38 - Introduction to Screenwriting 3 units
(CSU)
Prerequisite: None.
Advisory: Qualification for ENG-1A.
An introduction to and overview of the elements of structure, theme, plot, character, and dialogue in writing for film. Students will critically analyze professional scripts, view model examples of film writing, and work on their own screenplay. Students will have the opportunity to read and critique each others’ screenplays in a workshop setting. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-39 - Screenwriting II 3 units
(CSU)
Prerequisite: None.
Advisory: ENG-38, FTV-70, and qualification for ENG-1A.
Intermediate level exploration of the elements of structure, theme, plot, character, and dialogue in writing for film and television. Students will critically analyze professional scripts, view model examples of film writing, and work on their own screenplays, focusing primarily on refinement of previous material and additional act development. Students will also read and critique each others’ screenplays in a workshop setting. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-40 - World Literature I: From Ancient 3 units
Literatures to the Seventeenth Century
(UC, CSU) (C-ID ENGL 140)
Prerequisite: ENG-50 or 80 or eligibility for ENG-1A.
Advisory: ENG-1B or 1BH.
Significant works of world literature from Ancient literatures to 17th Century, including a comprehensive exposure to the poetic, dramatic, and prose forms of early cultures as well as a basic understanding of the cultural, intellectual, and artistic trends these works embody. Primary emphasis is on literature in translation. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-41 - World Literature II: Seventeenth Century 3 units
Through the Present
(UC, CSU) (C-ID ENGL 145)
Prerequisite: ENG-50 or 80 or eligibility for ENG-1A.
Advisory: ENG-1B or 1BH.
Significant works of world literature from the Seventeenth Century through the present, including a comprehensive exposure to the poetry, drama, and fiction of these periods as well as a basic understanding of the cultural, intellectual, and artistic trends these works embody. Emphasis on literature in translation. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-44 - Poetry from the Twentieth Century 3 units
to the Present
(UC, CSU)
Prerequisite: None.
Advisory: ENG-1B or 1BH.
The study of major voices and trends in poetry of the twentieth and twenty-first century, examining the cultural and artistic contexts from which this poetry emerged. Topics include poetic structure and development and thematic elements. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG-45</td>
<td>Modern Drama</td>
<td>3</td>
<td>A survey of drama from (roughly) 1870 to the present, including appraisal of modern theatrical movements, examination of drama’s function as a form of creative expression, exploration of ideas, societal factors and technology that have influenced modern drama, and investigation into the practice of the playwright and dramaturge. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
</tr>
<tr>
<td>ENG-47</td>
<td>Inlandia: Regional Writing about the Inland Empire</td>
<td>3</td>
<td>Studies in creative writing (fiction, poetry, creative nonfiction, and/or playwriting) focusing on regional writing about the Inland Empire. Includes study in techniques of creative writing as well as discussion and practice of various aspects of writing from, and about, specific locations, cultures, and environments. Lectures and discussions involve analysis of professional examples and techniques of regional writing. In-class workshops along with in-class and out-of-class writing assignments provide writing practice and application of writing techniques through peer-analysis and self-analysis. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
</tr>
<tr>
<td>ENG-48</td>
<td>Short Story and Novel from the Twentieth Century to the Present</td>
<td>3</td>
<td>A study of prose fiction from the twentieth century to the present, with an emphasis on writers of international standing whose work embodies significant formal developments and thematic concerns of prose narrative in the last century. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
</tr>
<tr>
<td>ENG-49</td>
<td>Introduction to the One-Hour Teleplay</td>
<td>3</td>
<td>An introduction to the formal elements of the one-hour teleplay. Students will critically analyze professional scripts, view model examples of one-hour format television, and write their own one-hour teleplay/spec scripts. Students will have the opportunity to read and critique each others’ teleplays in a workshop setting. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
</tr>
<tr>
<td>ENG-50</td>
<td>Basic English Composition</td>
<td>4</td>
<td>Emphasizes and develops skills in critical reading and academic writing as preparation for college-level composition. Students will write a minimum of 5,000 words. Classroom instruction integrates Writing and Reading Center activities. 72 hours lecture and 18 hours laboratory.</td>
</tr>
<tr>
<td>ENG-57</td>
<td>Basic Literature and Composition</td>
<td>4</td>
<td>This class offers instruction of effective writing related to literature, emphasizing the short story, novel, drama and poetry. Instruction and assignments in writing correlate with reading, the study of composition techniques and include a review of the grammar, mechanics and usage of standard American English. Classroom activities integrate with Writing and Reading Center activities. 72 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)</td>
</tr>
<tr>
<td>ENG-60A</td>
<td>English Fundamentals: Sentence to Paragraph</td>
<td>4</td>
<td>Develops student’s writing, active-reading and grammar skills to basic-level performance. Emphasis is on correct writing at the sentence and paragraph level. 72 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)</td>
</tr>
<tr>
<td>ENG-60A1</td>
<td>English Fundamentals: Sentence Structure</td>
<td>1</td>
<td>Develops students’ sentence structure skills to basic-level performance. One of a four-part series that equates with English 60A. Courses in this series may be taken in any order. 18 hours lecture and 4.5 hours laboratory. (Non-degree credit course. Pass/No Pass only.)</td>
</tr>
<tr>
<td>ENG-60A2</td>
<td>English Fundamentals: Grammar and Usage</td>
<td>1</td>
<td>Develops students’ grammar and usage skills to basic-level performance. One of a four-part series that equates with English 60A. Courses in this series may be taken in any order. 18 hours lecture and 4.5 hours laboratory. (Non-degree credit course. Pass/No Pass only.)</td>
</tr>
<tr>
<td>ENG-60A3</td>
<td>English Fundamentals: Mechanics and Spelling</td>
<td>1</td>
<td>Develops students’ mechanics and spelling skills to basic-level performance. One of a four-part series that equates with English 60A. Courses in this series may be taken in any order. 18 hours lecture and 4.5 hours laboratory. (Non-degree credit course. Pass/No Pass only.)</td>
</tr>
<tr>
<td>ENG-60A4</td>
<td>English Fundamentals: Paragraph Construction</td>
<td>1</td>
<td>Develops students’ paragraph writing skills to basic-level performance. One of a four-part series that equates with English 60A. Courses in this series may be taken in any order. 18 hours lecture and 4.5 hours laboratory. (Non-degree credit course. Pass/No Pass only.)</td>
</tr>
</tbody>
</table>
ENG-60B - English Fundamentals: Paragraph to Essay  4 units  
Prerequisite: ENG-60A or qualifying placement level.
Develops the student’s basic-level writing, active-reading and grammar skills to intermediate-level performance. Emphasis is on correct writing at the paragraph and short-essay level. 72 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

ENG-80 - Preparatory Composition  6 units  
Prerequisite: None.
Accelerated preparation for English Composition (ENG 1A), this course offers intensive instruction in the academic reading, reasoning, and writing expected in transfer and associate-degree courses. Students will read college-level texts and write a minimum of 10,000 words. Classroom instruction integrates Writing and Reading Center activities. 108 hours lecture and 18 hours laboratory. (Non-degree credit course.)

ENG-85 - Writing Clinic  .5 unit  
Prerequisite: None.
Intended for students who need concentrated attention in various areas of grammar, punctuation, and composition. Self-paced, open-entry/open-exit, with no traditional lecture-based component. Instead, it requires students to do the majority of their coursework independently. Each student follows a sequential series of modules based on his or her diagnosis. Students meet with their instructor in the Writing and Reading Center for the pre-and post-test and as needed for one-on-one instruction or small group study for the duration of the students’ enrollment in the course. 27 hours laboratory. (Non-degree credit course. Pass/No Pass only)

ENGLISH AS A SECOND LANGUAGE

ESL-51 - Basic Writing and Grammar  4 units  
Prerequisite: None.
Emphasizes elementary competency in standard written English with a focus on basic writing and grammar skills. Instruction will also include vocabulary and reading skills necessary for success in basic English as a Second Language courses. 72 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

ESL-52 - Low-intermediate Writing and Grammar  4 units  
Prerequisite: Qualifying placement level on a state-approved placement instrument, or successful completion of ESL- 51.
Develops competency in standard written English with a continued focus on basic writing and grammar skills. Instruction includes vocabulary and reading skills necessary for success in low-intermediate English as a Second Language courses. 72 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

ESL-53 - Intermediate Writing and Grammar  4 units  
Prerequisite: Qualifying placement level on a state-approved placement instrument, or successful completion of ESL- 52.
Increases competency in standard written English with a focus on intermediate and writing grammar skills. Instruction includes vocabulary and reading skills necessary for success in intermediate English as a Second Language courses. 72 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

ESL-54 - High-intermediate Writing and Grammar  5 units UC*, CSU  
Prerequisite: Qualifying placement level on a state-approved placement instrument, or successful completion of ESL-53.
Emphasizes competency in standard written English with a focus on high-intermediate grammar and writing skills. Instruction includes an intensive review of vocabulary and reading skills necessary for success in high-intermediate English as a Second Language courses. 90 hours lecture and 18 hours laboratory. (Degree credit course. Letter grade, or Pass/No Pass option.)

ESL-55 - Advanced Writing and Grammar  5 units UC*, CSU  
Prerequisite: Qualifying placement level on a state-approved placement instrument, or successful completion of ESL-54.
Emphasizes competency in standard written English with a focus on developing paragraphs and essays in preparation for English composition classes. Instruction includes continued development of vocabulary, reading and academic skills necessary for success in college classes. 90 hours lecture and 18 hours laboratory. (Degree credit course. Letter Grade, or Pass/No Pass option.)

ESL-65 - American Classroom Culture  1 unit  
Prerequisite: None.
Advisory: Qualification for ESL-53.
Assists international students with the transition from the social/educational systems in their own cultures to the social/educational systems in the U.S. Provides non-native speaking students with theory and practice of academic and language skills needed for success in an American educational setting. 18 hours lecture. (Non-degree credit course. Pass/No Pass only.)

ESL-71 - Basic Reading and Vocabulary  4 units  
Prerequisite: None.
Advisory: Enrollment in ESL-51 or 52 or qualifying placement level on a state-approved placement instrument.
Emphasizes the acquisition of simple reading skills, expansion of receptive and productive vocabulary, developing dictionary skills, and comprehension of short, adapted reading selections. 72 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)
ESL-72 - Intermediate Reading and Vocabulary  4 units
Prerequisite: None.
Advisory: Enrollment in ESL-53 or 54.
Emphasizes the continued acquisition of reading skills needed for college level courses, expansion of receptive and productive vocabulary, and comprehension of medium-length adapted reading selections. 72 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

ESL-73 - High-intermediate Reading and Vocabulary  4 units
Prerequisite: None.
Advisory: Enrollment in ESL-53, 54, 55 or qualifying placement level on a state-approved placement instrument.
Emphasizes the acquisition of higher level reading skills needed for college level courses, expansion of receptive and productive vocabulary, further development of library skills, and comprehension of both adapted and authentic reading selections of varying lengths. 72 hours lecture and 18 hours laboratory. (Degree credit course. Letter Grade, or Pass/No Pass option.)

ESL-90A - Special Topics in ESL: Improving Note Taking Skills  1 unit
Prerequisite: None.
Advisory: Qualification for enrollment in ESL-53 or higher.
Provides students with basic instruction and extensive practice in listening and organizing notes for college classes. Preparatory listening exercises designed to sharpen listening discrimination skills are followed by short lectures on a variety of subjects. 18 hours lecture. (Non-degree credit course. Pass/No Pass only.)

ESL-90C - Special Topics in ESL: Preposition Review  1 unit
Prerequisite: None.
Advisory: Qualification for ESL-53 or higher.
Provides students with basic instruction and practice in the use of prepositions and phrasal verbs. Attention will focus on specialized usage and problem areas. Topics include two- and three-part verbal idioms, two-part adjectives, adjectival and adverbial idioms, and prepositions used in normal discourse. 18 hours lecture. (Non-degree credit course. Pass/No Pass only.)

ESL-90D - Special Topics in ESL: Verb Tense Review  2 units
Prerequisite: None.
Advisory: Qualification for or enrollment in ESL-54 or higher.
Provides students with intensive review, practice, and use of all the basic English verb tenses. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)

ESL-90E - Special Topics in ESL: Academic Vocabulary  1 unit
Prerequisite: None.
Advisory: Qualification for or enrollment in ESL-53 or higher.
Provides students with basic instruction and practice in a wide variety of communicative activities that expand their language skills by understanding and using high-frequency academic vocabulary. Vocabulary study is approached on three levels: the word level, the sentence level, and the context level. Strives to increase students’ active vocabulary by learning not only the meaning of words but also their use in original expressions. 18 hours lecture. (Non-degree credit course. Pass/No Pass only.)

ESL-90G - Special Topics in ESL: Mastering Articles: A, An, and The  1 unit
Prerequisite: None.
Advisory: Qualification for or enrollment in ESL-53 or higher.
Provides students with extensive review of and practice using definite and indefinite articles in English. 18 hours lecture. (Non-degree credit course. Pass/No Pass only.)

ESL-90H - Special Topics in ESL: Phrases and Clauses  1 unit
Prerequisite: None.
Advisory: Qualification for or enrollment in ESL-53 or higher.
Provides students with basic instruction and practice in using phrases and clauses to write well-structured sentences. Enhances the students’ competence in identifying types of phrases and clauses in English and in using proper punctuation with compound and complex sentence structures. 18 hours lecture. (Non-degree credit course. Pass/No Pass only.)

ESL-90I - Special Topics in ESL: Punctuation Review  1 unit
Prerequisite: None.
Advisory: Qualification for ESL-53 or higher.
Provides students with the conventions of punctuation use in American English. Students will analyze and apply the rules of punctuation. 18 hours lecture. (Non-degree credit course. Pass/No Pass only.)

ESL-90J - Special Topics in ESL: Spelling Review  1 unit
Prerequisite: None.
Advisory: Qualification for ESL-53 or higher.
Improves students’ spelling skills. Students will analyze and apply the rules and principles of spelling in American English. 18 hours lecture. (Non-degree credit course. Pass/No Pass only.)

ESL-90K - Special Topics in ESL: Introduction to Using the Internet  1 unit
Prerequisite: None.
Advisory: Qualification for ESL-54 or higher.
Familiarizes students with basic terminology for working online, using the Internet to do academic research, web research using URLs and search engines, and providing practice with e-mail, bulletin boards, posting messages, writing web site reviews, and posting paragraphs and short essays online. 18 hours lecture. (Non-degree credit course. Pass/No Pass only.)

ESL-90L - Special Topics in ESL: Punctuation of Phrases and Clauses  2 units
Prerequisite: None.
Advisory: Qualification for or enrollment in ESL-53 or higher.
Provides students with the conventions of punctuation use in American English. Enhances the students’ competence in identifying types of phrases and clauses in English and in using proper punctuation in compound and complex sentence structures. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)
ESL-90M - Special Topics in ESL: Articles and Prepositions
Prerequisite: None.
Advisory: Qualification for or enrollment in ESL-53 or higher.
Provides students with basic instruction and practice in the use of prepositions and articles. Attention will focus on prepositional phrases, verbal and adverbial idioms, and the use of definite and indefinite articles. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)

ESL-91 - Oral Skills I: Beginning Oral Communication
Prerequisite: None.
Advisory: Concurrent enrollment in ESL-51 or 52.
This course emphasizes beginning conversation, pronunciation and idiomatic skills along with basic listening comprehension. Conversational and idiomatic skills focus on fluent and appropriate use of common words and functional expressions in life skills areas — shopping, food, clothing, money/banking, car/license, travel, medicine. Pronunciation focuses on the articulation of English vowels and consonants and on the development of basic English patterns of stress and intonation. Listening stresses understanding verbal instructions and questions, common vocabulary and daily functions in an aural context, main ideas and details in monologues and dialogues. 54 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

ESL-92 - Oral Skills II: Intermediate Oral Communication
Prerequisite: None.
Advisory: Concurrent enrollment in ESL-53 or 54.
This course develops intermediate conversation, pronunciation, idiomatic and aural comprehension skills. It is intended for non-native speakers of English who can make themselves understood but are not yet proficient in self-expression. Conversational and idiomatic skills focus on fluent and appropriate use of oral communication skills in a variety of social, business and/or academic situations. Pronunciation focuses on clearer articulation of English vowels and consonants and on increased control of the stress, intonation and rhythm of English. Listening comprehension stresses understanding verbal instructions and questions on campus and in the workplace. Students continue to learn appropriate verbal and non-verbal behavior as well as conversation management techniques to exchange ideas in small and large group communication. 54 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

ESL-93 - Oral Skills III: Advanced Oral Communication
Prerequisite: None.
Advisory: Concurrent enrollment in ESL-54, 55 or ENG-50.
This course develops advanced conversation, pronunciation, idiomatic and aural comprehension skills. Conversational and idiomatic skills focus on increasingly fluent communication and interaction skills in complex speaking situations and comfortable use of English in a variety of situations, both academic and professional. Pronunciation focuses on improved clarity of speech and on increased control of the stress, intonation and rhythm of English. Listening comprehension stresses understanding complex syntax, register, nuance and tone in conversations on campus and in the workplace. Students will learn how to speak at length on a given topic, both prepared and extemporaneous, and to understand the subtleties of conversational English. 54 hours lecture and 18 hours laboratory. (Degree credit course. Letter Grade, or Pass/No Pass option.)

ESL-95 - Pronunciation and Accent Reduction
Prerequisite: None.
Advisory: Qualification for ESL-52 or higher.
Provides students with basic instruction and practice in the oral production of English. Listening activities focus on comprehension of sentences, dialogs and paragraphs at normal speed and on discrimination of sound patterns in American English. Pronunciation focuses on stress, intonation, rhythm, phrasing, reduction, and linking as well as consonants, vowels and digraphs. The course emphasizes overall pronunciation improvement to make spoken communication more intelligible and to approximate more closely native rhythms and intonation. 54 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

ETHNIC STUDIES

Ethnic Studies is the multi-disciplinary, humanistic study of American racial and ethnic groups. Ethnic Studies courses may examine theories of identity and/or the historical, sociological, literary, cultural, economic and political statuses, traditions and experiences of racial and ethnic groups in America.

Many of these courses are part of the Area of Emphasis in Humanities, Philosophy and the Arts, and students wishing to focus on Ethnic Studies may do so within the Humanities, Philosophy and the Arts program.

ANT-4 - Native American Cultures
ENG-18 - Survey of Native American Literature
ENG-20 - Survey of African American Literature
ENG-25 - Latino Literature of the United States
HIS-14 - African American History I
HIS-15 - African American History II
HIS-28 - Native American History I: Early Contact Period
HIS-29 - Native American History II: Contemporary Society
HIS-31 - Introduction to Chicano/a Studies
PHI-14 - Survey of Black Thought
PHI-19 - Native American Thought
SOC-10 - Race and Ethnic Relations
FILM STUDIES

FST-1 - Introduction to Film Studies  3 units
UC, CSU
Prerequisite: None.
Advisory: Qualification for ENG-1A.
An introduction to the movies as an object of academic inquiry. Covers strategies for analyzing the formal elements (mise-en-scene, the shot, editing, and sound) and narrative structures of film. Provides instruction on discussing, researching, and writing about film as a complex form of creative expression rooted within history, society, and culture. Discussion is supported by American and international examples of feature, documentary, and experimental film. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

FST-2 - Introduction to Television Studies  3 units
UC, CSU
Prerequisite: None.
Advisory: Qualification for ENG-1A.
An introduction to television as an object of academic inquiry. Covers strategies for analyzing television's formal elements, including its stylistic conventions; primary genres; evolving modes of production, distribution, and exhibition; and various critical methodologies. Provides instruction for writing about television as a complex form of creative expression rooted within history, society, and culture. Discussion is supported by a survey of American and international television examples. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

FST-3 - Introduction to International Cinema  3 units
UC, CSU
Prerequisite: None.
Advisory: Qualification for ENG-1A.
An introduction to international cinema, focusing upon select films, filmmakers, and national cinemas from outside the United States, ranging from film's earliest decades to the present. Films, filmmakers, and national cinemas are studied in relation to questions of artistry, history, genre, style, culture, and politics. Includes an overview of methodologies for analyzing and researching film. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

FST-4 - Introduction to Film Genres  3 units
UC, CSU
Prerequisite: None.
Advisory: Qualification for ENG-1A.
An introduction to classical and contemporary film genres, such as the crime film or the musical, within American and international film. Investigates their origins and evolutions, recognizing their role within creative and social expression, and examining their technical and thematic conventions. Includes a survey of representative film genres, movements and styles. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

FST-5 - Fiction and Film: Adaptation  3 units
UC, CSU
Prerequisite: None.
Advisory: Qualification for ENG-1A.
An introductory study of the interplay between twentieth and twenty-first century literature and film from the point of view of the writer and organized around selected case studies of fiction and/or literary non-fiction adapted into film. Examples of literature and film are used to explore adaptation as a creative process. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

FST-6 - Screenplay Analysis: 3 units
The Craft of the Screenplay
UC, CSU
Prerequisite: None.
Advisory: Qualification for ENG-1A.
An introduction to screenplay analysis. Compares examples of screenwriting to other forms of dramatic writing, examines screenwriting techniques and theories, compares films and television episodes to their scripts. Considers the role of the writer in film and television. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

FST-7 - History of World Film I:  3 units
From the Beginning through the 1950s
UC, CSU
Prerequisite: None.
Advisory: Qualification for ENG-1A.
Critical and analytical history of world cinema from film's invention in the 1890s into the 1950s, with attention paid to multiple forms of historical explanation and representative films. An international study of film's emergence as a form of creative expression, a technology, and a business. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

FST-8 - History of World Film II:  3 units
The 1950s to the Present
UC, CSU
Prerequisite: None.
Advisory: Qualification for ENG-1A.
Critical and analytical history of world cinema from the 1950s to the present, with attention paid to multiple forms of historical explanation and representative films. An international study of the development and expansion of film in the wake of WWII, addressing film as a form of creative expression, a technology, and a business. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
FILM, TELEVISION AND VIDEO

FTV-11 - Sound Recording and Reinforcement 3 units
Techniques
CSU
Prerequisite: None.
Introduction to and practical experience in sound recording and reinforcement techniques and their applications through the use of microphones, cables, mixing boards, signal processors, computers and digital-audio software. Emphasis on small-group lecture and demonstration with hands-on practice and experience. Students work with other disciplines to record audio in a variety of settings. 36 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-12 - History of American Film 3 units
UC, CSU
Prerequisite: None.
This course examines the historical development of film from the perspective of technology, and the art and science of filmmaking. Filmmaking is explored in the context of history and the reciprocal and reflective influences of history on films, and films on history. Lectures, readings, discussions, viewing of films and film excerpts comprise the elements of this course. 54 hours lecture. (Letter Grade or Pass/No Pass option.)

FTV-38A - Beginning Film, Television and Video Production Project 3 units
CSU
Prerequisite: FTV-42, 43, 44A, 45A, 48, 64A, 66, or 71A.
Supervised production of an approved project in television production, film production, audio or graphics in media. All aspects of pre-production planning, production, and post production will be required to arrive at a finished product that adheres to project intent and schedule. Specific agreement identifying intent, ideas, goals, responsibilities and outcomes will be arranged between instructor and student. 18 hours lecture and 108 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-38B - Advanced Film, Television and Video Production Project 3 units
CSU
Prerequisite: FTV-38A.
Supervised completion of an approved project in television production, film production or audio production in media. Project pre-planning must be complete; emphasis on remaining production and post production activities. Completion of production and post production will be required to arrive at a finished product that adheres to project intent and schedule. Specific agreement identifying intent, ideas, goals, responsibilities and outcomes will be arranged between instructor and student. 18 hours lecture and 108 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-41 - Introduction to Telecommunications 3 units
UC*, CSU
Prerequisite: None.
A survey of electronic media including the history and development of electronic media from its beginning in early radio and television to the current period of dynamic change in the telecommunications industry. The course also explores current developments and anticipated trends in telecommunications, including the sociological, technological and economic implications on society. 54 hours lecture. (Letter Grade or Pass/No Pass option.)

FTV-42 - Writing for Broadcast Television 3 units
CSU
Prerequisite: None.
The theory and practice of short-form writing for broadcast television. Introduces techniques of narrative and documentary copy writing, characteristics of media writing, elements of style, tone and content, forms of scripts for news, commercials and public service announcements. Also includes use of script-writing software. 54 hours lecture. (Letter Grade or Pass/No Pass option.)

FTV-43 - Television Studio and Equipment 3 units
CSU
Prerequisite: None.
Introduction to the use and set up of cameras, VTRs, editors, character generators, and test equipment for in-studio production. Activities will include theory and practice of studio set-up for live-to-tape production, production terminology, and operation of control room monitoring equipment. 36 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-44A - Beginning Television Production 3.5 units
CSU
Prerequisite: None.
Basic principles of television production including operation of equipment, ENG (electronic news gathering) and live-to-tape studio production. Emphasis on the process and crew functions of live-to-tape studio production. Students will produce one roll-in segment of approximately 4 minutes. 36 hours lecture and 81 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-44B - Intermediate Television Production 3.5 units
CSU
Prerequisite: FTV-44A.
Expanded principles and production skills in ENG (electronic news gathering) and live-to-tape television production. Students are required to plan and produce three 4-minute magazine show segments that include all production package components and that meet production deadlines. 36 hours lecture and 81 hours laboratory. (Letter Grade or Pass/No Pass option.)
FTV-44C - Advanced-Intermediate Television Production
CSU
Prerequisite: FTV-44B.
Advanced-intermediate principles of live-to-tape television production of a magazine show. Students assume the responsibilities of a segment producer and manage the schedule and field reporters assigned to them. 36 hours lecture and 81 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-44D - Advanced Television Production
CSU
Prerequisite: FTV-44C.
Advanced principles and application of live-to-tape studio production of a magazine show. Students assume responsibilities of above-line crew positions of producer and director. 36 hours lecture and 81 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-45A - Beginning Television News Production
CSU
Prerequisite: None.
Corequisite: Concurrent enrollment in FTV-51A.
Advisory: JOU-1 or ENG-1A or 1AH.
An entry-level course in television news gathering and television news production for cablecast. Includes in-studio live-to-tape production principles of journalism and journalistic ethics as well as the practice of television news gathering. Students are involved in all aspects of writing, producing, and editing completed news stories for a regularly scheduled news program that is cablecast. 36 hours lecture and 81 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-45B - Intermediate Television News Production
CSU
Prerequisite: FTV-45A.
Corequisite: Concurrent enrollment in FTV-51B.
Expanded principles and techniques in television news gathering and television news production for cablecast. Students are involved in all aspects of writing, producing and editing completed news stories and serving as studio crew for a regularly-scheduled news program that is cablecast. Students are required to produce 5-8 news stories on deadline that meet technical standards of production. 36 hours lecture and 81 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-45C - Advanced Intermediate Television
CSU
Prerequisite: FTV-45B.
Corequisite: Concurrent enrollment in FTV-51C.
Advanced intermediate concepts in television news production; students assume responsibilities of Segment Producer and manage the schedule and reporters assigned to them. 36 hours lecture and 81 hours laboratory.

FTV-45D - Advanced Television News Production
CSU
Prerequisite: FTV-45C.
Corequisite: Concurrent enrollment in FTV-51D.
An advanced course in television news gathering and television news production for cablecast. Students assume responsibility of above-line crew positions of news producer and news director for a regularly scheduled news program that is cablecast. Students perform skills and responsible duties in the production of "Inland Valley News." 36 hours lecture and 81 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-46 - Editing for Television
CSU
Prerequisite: None.
A course in post-production practices and procedures for television with emphasis on off-line and on-line editing including sound and music, insert editing and assembly editing. Video and/or sound procedures of mixing techniques. 35 hours lecture and 85 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-48 - Short Film Production
CSU
Prerequisite: None.
Advisory: FTV-74.
Introduction to the filmmaking process; includes practical experience in production planning, filming and post-production. Emphasis on the techniques of motion picture photography and the operation of 16mm film cameras, the use of lenses and filters, film exposure, composition and the film processing and film-to-digital tape transfer. 36 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-51A - Film, Television and Video Laboratory I
CSU
Prerequisite: None.
Corequisite: Concurrent enrollment in FTV-45A.
Supervised laboratory work on television production, audio recording and film projects. Builds and reinforces skills through practical application in industry internships and project studies in the area of television, audio recording and film production. 54 hours laboratory. (Letter Grade or Pass/No Pass option)

FTV-51B - Film, Television and Video Laboratory II
CSU
Prerequisite: FTV-51A.
Corequisite: Concurrent enrollment in FTV-45B.
Supervised laboratory work on television, film or audio production projects. Builds and reinforces skills through practical application in professional internships and project studies. 54 hours laboratory. (Letter Grade or Pass/No Pass option)
FTV-51C - Film, Television and Video Laboratory III  1 unit
Prerequisite: FTV-51B.
Corequisite: Concurrent enrollment in FTV-45C.
Supervised laboratory work on television production, audio recording and film projects. Builds and reinforces skills through practical application in industry internships and project studies in the area of television, audio recording and film production. 54 hours laboratory. (Letter Grade or Pass/No Pass option)

FTV-51D - Film, Television and Video Laboratory IV  1 unit
Prerequisite: FTV-51C.
Corequisite: Concurrent enrollment in FTV-45D.
Supervised laboratory work on television production, audio recording and film projects. Builds and reinforces skills through practical application in industry internships and project studies in the area of television, audio recording and film production. 54 hours laboratory. (Letter Grade or Pass/No Pass option)

FTV-52 - Film, Television and Video Laboratory  2 units
Prerequisite: None.
Supervised laboratory work on television production, audio recording and film projects. Builds and reinforces skills through practical application in professional internships and project studies in the area of television, audio recording, and film production. 108 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-53 - Film, Television and Video Laboratory  3 units
Prerequisite: FTV-11, 42, 43, 44, 45, or 64.
Supervised laboratory work on television production, audio recording and film projects. Builds and reinforces skills through practical application in industry internships and project studies in the area of television, audio recording and film production. 162 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-54 - Digital Editing Principles and Techniques  3 units
Prerequisite: None.
A course in post-production video editing concepts and techniques in a non-linear computer-based editing environment. Course is designed to teach the aesthetics as well as techniques of the edit utilizing industry-recognized software. 36 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-54A - Beginning Digital Editing Principles and Techniques  3 units
Prerequisite: None.
Non-linear computer-based editing using the industry-recognized software Final Cut Pro. Includes basic concepts of editing in post production designed to teach the aesthetics as well as techniques of the edit. 36 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-65 - The Director's Art in Filmmaking  3 units
Prerequisite: None.
Analysis and exploration of the principles of film aesthetics with emphasis on the director's role in influencing and creating a film. The course covers the terminology of filmmaking and film analysis, the director's responsibilities and relationship to other crew members; also explores the tools and strategies that directors use in shaping the impact of a film. Lecture, discussion, viewing of films and film excerpts expose students to the influences of classic and contemporary films and the styles of great directors, including but not limited to: David Lynch, Woody Allen, The Cohen Brothers, John Woo, Marc Forster, Wayne Wang, Orson Welles, Alfred Hitchcock, Stanley Kubrick, Francis Ford Coppola and Martin Scorsese. 54 hours lecture. (Letter Grade or Pass/No Pass option.)

FTV-66 - Advanced Digital Editing Concepts  3 units
Prerequisite: FTV-64.
Advanced concepts in digital video editing using Final Cut Pro and various multimedia production software programs. Emphasis will be placed on importing multimedia files, special effects, titling, graphics and chroma key. 36 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-67 - Introduction to Video Production  2 units
Prerequisite: None.
An introduction to video production procedures, practices and production equipment. Students will learn the basic components, proper care and use of a video camera and editing equipment, the three stages of the production process and electronic storytelling. Intended for career exploration and for non-majors. 27 hours lecture and 27 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-68 - Story Development Process in the Entertainment Industry  3 units
Prerequisite: None.
An overview of the process involved in developing and pitching story ideas and scripts to studios, production companies and networks for production consideration. Includes an introduction to key individuals involved in the process, from agents to producers to creative executives, and the process involved in generating and developing story ideas appropriate for commercial development. 54 hours lecture. (Letter Grade or Pass/No Pass option.)

FTV-70 - Scriptwriting Software Using Final Draft  1 unit
Prerequisite: None.
Skill development in the use of scriptwriting software, Final Draft and Final Draft AV for television, film, audiovisual, and stage production. Includes introduction to the structure and key elements of script formats used in television, film, stage, documentary and audiovisual production. 18 hours lecture. (Letter Grade or Pass/No Pass option.)
FTV-71A - Beginning Sound Engineering for Audio in Media
CSU
Prerequisite: None.
Introduction to sound engineering techniques used to record and reinforce audio in television, radio, theatre, multimedia and music; emphasis on small-group lecture and demonstration with hands-on practice and experience in the use of microphones, cables, mixing boards, signal processors, computers and digital-audio software. Students work with others in theater, television, digital media and music to record and reinforce audio in a variety of settings. 36 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-72 - Introduction to Lighting Design for Film and Television
CSU
Prerequisite: None.
Introduction to the practice of interpreting and implementing effective lighting designs for film, television, video and multimedia applications. Students will learn to use a variety of lighting techniques and instruments, both professional and improvised, to achieve specific artistic objectives. Course includes characteristics of light, quantity and quality of light, interpreting lighting requirements, and mood enhancement through the use of light. 36 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option)

FTV-73 - Introduction to Pro Tools
CSU
Prerequisite: None.
Basic principles of digital studio recording and audio editing using industry-standard software, Pro Tools; emphasis on applications in sound engineering and design. Includes the fundamental use of the Pro Tools LE system to build sessions that include multi-track recordings of live instruments, MIDI sequences, software synthesizers and samplers. Also includes an introduction to basic elements of sound and digital audio workstations. After successful completion of this course, students are eligible to take the Digidesign Pro Tools 101 exam. 36 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-74 - Production Planning and Management
CSU
Prerequisite: None.
Advisory: FTV-38A or 48.
Practical and technical elements of developing the shooting script required to move the story from the page to the screen. The course introduces techniques for developing the script breakdown with camera placement and movement, location and production scheduling, budgeting, and lining the script. Particular emphasis is placed on balancing the art of the story with the practicalities of filmmaking. Students will develop the shooting script for an original short film screenplay idea or adaptation. 54 hours lecture. (Letter Grade or Pass/No Pass option)

FTV-75 - Intermediate Digital Recording Pro Tools 110
CSU
Prerequisite: FTV-73.
Expanded principles of computer-based studio recording and audio editing using the industry standard software, Pro Tools. Includes an introduction to MIDI sequencing using virtual instruments, MIDI configuration, routing, timescales, and editing. Also includes basic mixing and automation, plug-ins, session configurations, and file management. After successful completion of this course, students are eligible to take the Avid Pro Tools 110 Exam. 36 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-76 - Advanced Digital Audio Recording Pro Tools 201
CSU
Prerequisite: FTV-75.
Advanced principles of computer-based studio recording and audio editing using the industry standard software, Pro Tools. Course covers the core concepts and skills you need to operate a Pro Tools system in a professional studio environment. Students will go into greater depth into concepts such as automation, editing, mixing and session management. 36 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

FTV-200 - Telecommunications
CSU*
Prerequisite: None.
Advisory: Students should have paid or voluntary employment.
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKS-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)
**FRENCH**

**FRE-1 - French 1**  
UC, CSU  
Prerequisite: None.  
This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written French at the beginning level. This course includes discussion of French culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**FRE-2 - French 2**  
UC, CSU  
Prerequisite: FRE-1.  
Further development of basic skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written French at the intermediate level. This course includes an expanded discussion of French culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**FRE-3 - French 3**  
UC, CSU  
Prerequisite: FRE-2.  
Development of intermediate skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written French at the intermediate level. This course includes an expanded discussion of French culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**FRE-4 - French 4**  
UC, CSU  
Prerequisite: FRE-3.  
Further development of intermediate skills in listening, reading, speaking and writing. A review of the vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written French at the intermediate level. An emphasis on the reading of novels, short stories, poems and plays in French as a means of enhancing basic French language skills. This course includes an expanded discussion of French culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**FRE-8 - Intermediate Conversation**  
UC, CSU  
Prerequisite: FRE-2 or 3.  
Intermediate-level vocabulary building and improvement of speaking proficiency in the context of French culture; daily life and topics of current interest. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**FRE-11 - Culture and Civilization**  
UC, CSU  
Prerequisite: None.  
Introductory survey of French culture and civilization as reflected in language, literature, art, history, politics, customs and social institutions. Class conducted in English. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**GEOGRAPHY**

**GEG-1 - Physical Geography**  
UC, CSU (C-ID GEOG 110)  
Prerequisite: None.  
The interacting physical processes of air, water, land, and life which impact Earth’s surface. Topics include weather and climate, the water cycle, landforms and plate tectonics, and the characteristics of plant and animal life. Emphasis is on interrelationships among systems and processes and their resulting patterns and distributions. There is a heavy emphasis on maps as descriptive and analytical tools. Students may not receive credit for both GEG-1 and GEG-1H. 54 hours lecture.

**GEG-1H - Honors Physical Geography**  
3 units  
UC, CSU (C-ID GEOG 110)  
Prerequisite: None.  
Limitation on enrollment: Enrollment in the Honors Program.  
The interacting physical processes of air, water, land, and life which impact Earth’s surface. Topics include weather and climate, the water cycle, landforms and plate tectonics, and the characteristics of plant and animal life. Emphasis is on interrelationships among systems and processes and their resulting patterns and distributions. There is a heavy emphasis on maps as descriptive and analytical tools. The honors course offers an enriched experience for accelerated students by limited class size, seminar format, student generated and led discussions and projects, the application of higher level thinking, reading, and writing skills – analysis, synthesis, and evaluation. Students may not receive credit for both GEG-1 and GEG-1H. 54 hours lecture.

**GEG-1L - Physical Geology Laboratory**  
1 unit  
UC, CSU (C-ID GEOG 111)  
Prerequisite: None.  
Corequisite: Concurrent enrollment in or prior completion of GEG-1 or IH.  
Practical application of scientific principles through geographically based in-class exercises using a variety of tools, such as maps, photos, and data in various forms. 54 hours laboratory.

**GEG-2 - Human Geography**  
3 units  
UC, CSU (C-ID GEOG 120)  
Prerequisite: None.  
The geographic analysis of the human imprint on the planet. A study of diverse human populations, their cultural origins, diffusion and contemporary spatial expressions emphasizing demography, languages, religions, urbanization, landscape modification, political units and nationalism, economic systems and development. Emphasis is given to interrelationships between human activities and the biophysical environment. 54 hours lecture.
GEG-3 - World Regional Geography 3 units
UC, CSU (C-ID GEOG 125)
Prerequisite: None.
A study of major world regions, emphasizing current characteristics and issues including cultural, economic, political, and environmental conditions. Topics may include the natural environment, population distribution, cultural practices, political institutions, economic development, agricultural practices, and urbanization. 54 hours lecture.

GEG-4 - Geography of California 3 units
UC, CSU (C-ID GEOG 140)
Prerequisite: None.
An introduction to California’s physical and cultural diversity as well as the issues facing individual regions and the state. The course emphasizes ethnic diversity, human alteration of the landscape, and contemporary social, economic, and environmental issues using maps and other geographic tools. Topics include regions, demographic trends, politics, climate, landforms, natural vegetation, water resources, the cultural landscape, our Native American past, urbanization, agriculture, and the challenges of the future. 54 hours lecture.

GEG-5 - Weather and Climate 3 units
(Same as PHS-5)
UC, CSU (C-ID GEOG 130)
Prerequisite: None.
The nature and causes of common meteorological phenomena, severe weather occurrences, and climatic patterns. Topics include: atmospheric structure, solar radiation and energy balances, atmospheric moisture, clouds and fog, air pressure, winds, air masses and fronts, cyclones, tornadoes, hurricanes, weather forecasting, climate classification, and climate change. 54 hours lecture.

GEG-6 - Geography of the United States and Canada 3 units
UC, CSU
Prerequisite: None.
An overview of the regions of the United States and Canada. Topics include including regional interactions and current political, economic, demographic, and cultural issues. 54 hours lecture.

GEO-1 - Physical Geology 3 units
UC, CSU (C-ID GEOL 100) (CID GEOL 101=GEO-1 + 1L)
Prerequisite: None.
Advisory: MAT-35.
Examines the composition and structure of the earth, and the processes that shape its surface such as earthquakes, volcanoes, running water, glaciers and plate tectonics. The course also examines some of the social consequences of geological processes and addresses the study of the geology of other planetary bodies. Has an optional laboratory course (GEO-1L) and an optional field course (GEO-30 and 31). 54 hours lecture.

GEO-1B - Historical Geology 4 units
UC, CSU
Prerequisite: None.
Advisory: GEO-1 and MAT-35.
Examines the geologic history of the earth and the fossil record, emphasizing principles and methods of interpretation. Special topics discussed are: continental drift, the San Andreas fault, evolution, extinction, and mountain building. Laboratory includes study of fossils, geologic maps, and methods of interpreting ancient environments. Field trips to local areas of geologic interest may be required. 54 hours lecture and 54 hours laboratory.

GEO-1L - Physical Geology Laboratory 1 unit
UC, CSU (C-ID GEOL 100L) (CID GEOL 101=GEO-1 + 1L)
Prerequisite: None.
Corequisite: Concurrent enrollment in or prior completion of GEO-1.
Advisory: MAT-35.
This is a laboratory course designed to acquaint students with the concepts presented in Physical Geology (GEO-1.) Topics studied include, but are not limited to, topographic and geologic map reading, earthquake analysis, physical properties and identification of rocks and minerals, and the study of plate tectonics. 54 hours laboratory.

GEO-2 - Geology of the National Parks and Monuments 3 units
UC, CSU
Prerequisite: None.
Advisory: MAT-35.
A survey of the principles of physical and historical geology as interpreted through the study of several of the National Parks and Monuments. Emphasis will be on understanding the geologic processes which have shaped the present landscape, with considerable use made of rock and fossil specimens, videos, pictures, and maps. 54 hours lecture.
GEO-3 - Geology of California 3 units
UC, CSU (C-ID GEOL 200)
Prerequisite: None.
Advisory: MAT-35.
The geology of California: A study of its geological history, including the examination of the varying geological provinces and environments which exist throughout the state. Some selected topics include: examining present and ancient geological environments; examining major structural elements (faults) within the state; the study of the geology and the history of California’s geologic resources; the study of geologic hazards; and the relationship of California geology to global tectonics. 54 hours lecture. Optional Field Trips: GEO-30A, 30B or 31 will accompany this course.

GEO-30A - Geology Field Studies of Southern California 1 unit
CSU
Prerequisite: None.
Advisory: Concurrent or previous enrollment in GEO-1B, 2, or 3.
A field course with trips to regional points of geologic interest. This class includes a series of three to four field excursions to sites of geologic interest. These sites include, but are not limited to, the Landers seismic zone to view ground ruptures associated with the 1992 Landers earthquake, the Blackhawk landslide, the San Andreas fault zone, Salton Sea geothermal field, Amboy crater, California’s coastline, the San Bernardino mountains, Rainbow Basin, Calico mountains and San Diego mining district. Designed to supplement other courses in geology and to increase the interest and understanding of those enrolled in these courses. 54 hours to be arranged per semester.

GEO-30B - Geology Field Studies of Southern California 1 unit
CSU
Prerequisite: None.
Advisory: Concurrent or previous enrollment in GEO-1B, 2, or 3.
A field course with trips to regional points of geologic interest. This class includes a two week field excursion to sites of geologic interest. These sites include, but are not limited to, the Eastern Mojave Desert Natural Preserve, Red Rock Canyon State Park, Salton Trough, Anza-Borrego Desert State Park, and Rainbow Basin. Designed to supplement other courses in geology and to increase the interest and understanding of those enrolled in these courses. This course requires student to camp outdoors in primitive campgrounds. 54 hours to be arranged per semester.

GEO-31 - Regional Field Studies in Geology 1 unit
CSU
Prerequisite: None.
Advisory: Concurrent or previous enrollment in GEO-1, 1A, 1B, 2, or 3.
A field course with trips to regional points of geologic interest. This class can be taught as a series of field excursions or as one, week-long geology trip to a site of interest. Sites include, but are not limited to, Yosemite, Grand Canyon, Death Valley, Owens Valley, the Mother Lode Country, Mount Lassen, San Luis Obispo and Baja California. Designed to supplement other courses in geology and to increase the interest and understanding of those enrolled in these courses. 54 hours laboratory to be arranged per semester.

GEO-32 - Regional Field Studies in Geology 2 units
CSU
Prerequisite: None.
Advisory: Concurrent or previous enrollment in GEO-1, 1A, 1B, 2, or 3.
A two-week field course with trips to regional points of geologic interest. Sites include, but are not limited to, Hawaii, Mount St. Helens, Crater Lake, Rocky Mountains, Sierra Madre, Appalachians, British Columbia, Newfoundland, Nova Scotia and Alaska. Designed to increase the understanding and interest of the important geologic sites. This course is also designed to supplement other courses in geology. 108 hours laboratory to be arranged per summer session or during the winter intersession.

Also see OCEANOGRAPHY

GERMANY

GER-1 - German 1 5 units
UC, CSU
Prerequisite: None.
This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written German at the beginning level. This course includes discussion of German culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

GER-2 - German 2 5 units
UC, CSU
Prerequisite: GER-1.
Further development of basic skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written German at the beginning level. This course includes an expanded discussion of German culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)
GEO-30B - Geology Field Studies 1 unit
UC, CSU
This class includes two weekend field excursions to sites of geologic interest. These sites include, but are not limited to, the geology of Southern California's coastline, the San Bernardino mountains, Rainbow basin, San Diego's coast, and the Cajon Pass. This class can be taught as a series of field excursions or as one, week-long geology trip to a site of interest. Sites include, but are not limited to, the geology of Southern California's coastline, the San Bernardino mountains, Rainbow basin, San Diego's coast, and the Cajon Pass. This class can be taught as a series of field excursions or as one, week-long geology trip to a site of interest.

GEO-30A - Geology Field Studies 1 unit
UC, CSU
This class includes a series of three to four field excursions to sites of geologic interest. These sites include, but are not limited to, the geology of Southern California's coastline, the San Bernardino mountains, Rainbow basin, San Diego's coast, and the Cajon Pass. This class can be taught as a series of field excursions or as one, week-long geology trip to a site of interest. Sites include, but are not limited to, the geology of Southern California's coastline, the San Bernardino mountains, Rainbow basin, San Diego's coast, and the Cajon Pass. This class can be taught as a series of field excursions or as one, week-long geology trip to a site of interest.

GUI-48 - College Success Strategies 2 units
UC*, CSU
Prerequisite: None.
This comprehensive course integrates personal growth and values, academic study strategies and critical thinking techniques. Students will obtain skills and personal/interpersonal awareness necessary to succeed in college. 36 hours lecture.

GUI-48A - College Success Strategies- Study Skills 1 unit
CSU
Prerequisite: None.
This course is designed to increase the student’s success in college by assisting the student in obtaining study skills necessary to reach educational and career goals. Topics include time management, test taking and study techniques. GUI-48A is equivalent to the first half of GUI-48. 18 hours lecture.

GUI-48B - College Success Strategies- Life Skills 1 unit
CSU
Prerequisite: None.
This course is designed to increase the student’s success in college by assisting the student in obtaining life skills necessary to reach educational and career goals. Topics include communication and relationships, critical thinking and personal health. GUI-48B is equivalent to the second half of GUI-48. 18 hours lecture.

HEALTH SCIENCE
HES-1 - Health Science 3 units
UC, CSU
Prerequisite: None.
This course is a general education course that offers a basic study of human health and health care as revealed in the anatomy and physiology of the body, nutrition, exercise, stress management, weight management, protection from degenerative and communicable diseases, personal safety, environmental health, and professional medical care. The scientifically discussed dimensions of wellness include body, mind and spirit. Students will explore making responsible decisions regarding all aspects of healthy life style including getting fit, disease prevention and treatments, substances use and abuse, human sexuality, and selection of health providers. This course satisfies the California requirement in drug, alcohol, tobacco and nutrition education for teacher certification. 54 hours lecture.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>UC, CSU</th>
<th>Prerequisite</th>
<th>Advisory</th>
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<tbody>
<tr>
<td>HIS-1</td>
<td>History of World Civilizations I</td>
<td>3</td>
<td>UC, CSU (C-ID HIST 150)</td>
<td>None.</td>
<td>REA-83 and qualification for ENG-1A.</td>
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<tr>
<td>HIS-2</td>
<td>History of World Civilizations II</td>
<td>3</td>
<td>UC, CSU (C-ID HIST 160)</td>
<td>None.</td>
<td>REA-83 and qualification for ENG-1A.</td>
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<tr>
<td>HIS-6</td>
<td>Political and Social History of the United States</td>
<td>3</td>
<td>UC, CSU (C-ID HIST 130)</td>
<td>None.</td>
<td>None.</td>
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<td>HIS-6H</td>
<td>Honors Political and Social History of the United States</td>
<td>3</td>
<td>UC, CSU (C-ID HIST 130)</td>
<td>None.</td>
<td>None.</td>
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<td>HIS-7</td>
<td>Political and Social History of the United States</td>
<td>3</td>
<td>UC, CSU (C-ID HIST 140)</td>
<td>None.</td>
<td>REA-83 and qualification for ENG-1A.</td>
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<td>HIS-7H</td>
<td>Honors Political and Social History of the United States</td>
<td>3</td>
<td>UC, CSU (C-ID HIST 140)</td>
<td>None.</td>
<td>REA-83 and qualification for ENG-1A.</td>
</tr>
<tr>
<td>HIS-11</td>
<td>Military History of the United States to 1900 (Same as MIL-1)</td>
<td>3</td>
<td>UC, CSU</td>
<td>None.</td>
<td>None.</td>
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<tr>
<td>HIS-12</td>
<td>Military History of the United States Since 1900 (Same as MIL-2)</td>
<td>3</td>
<td>UC, CSU</td>
<td>None.</td>
<td>None.</td>
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</table>
HIS-14 - African American History I  3 units
UC, CSU
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
A selected study of the complex continent from which African Americans came with special emphasis on the historical, political and socioeconomic aspects of African civilizations in Egypt and the western Sudan; the transformation of the continent and of Africans through the transatlantic slave trade; and a study of the African American experience during their confinement as slaves in British North America and the early national and antebellum periods through the Civil War and Emancipation. 54 hours lecture.

HIS-15 - African American History II  3 units
UC, CSU
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
A study of the economic, political, social and cultural history and traditions of African Americans since Reconstruction. An examination of African American struggle for identity and status since the late 19th century including: concepts of integration, segregation, accommodation, nationalism, separatism, Pan Africanism; social forces of Jim Crow, Great Migration, Harlem Renaissance, legislative and political action, Civil Rights Revolution and concerns of post-civil rights era. 54 hours lecture.

HIS-19 - Modern Russia History  3 units
UC, CSU
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
The basic social and political development of Russia since 1801, with emphasis on the origins of the Bolshevik Revolution and the continuity of Russian civilization. 54 hours lecture.

HIS-25 - History of Mexico  3 units
UC, CSU
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
Mexico’s social, political, economic, and cultural evolution with a consideration of its place in world affairs. This introductory survey will stress the mosaic cultural influences from the pre-Columbian period to the present with an emphasis on the native cultures, wars of independence, the Mexican Revolution and Mexico in the 20th century. 54 hours lecture.

HIS-26 - History of California  3 units
UC, CSU
Prerequisite: None.
A history of California from the pre-Columbian period to the present, with emphasis on the period since statehood in 1850. 54 hours lecture.

HIS-28 - Native American History I: Early Contact Period  3 units
UC, CSU
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
A study of the European/Native American contact period from 1492 to 1871 as presented from the American Indian’s point of reference. 54 hours lecture.

HIS-29 - Native American History II: Contemporary Society  3 units
UC, CSU
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
A study of federal Indian policy and economic development on Indian reservations as it has developed since 1871. Cultural conflicts, recent movements, and the struggle for and use of land will be examined from an American Indian’s point of reference. 54 hours lecture.

HIS-31 - Introduction to Chicano/a Studies  3 units
UC, CSU
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
A survey of regional Chicano/a population historical and cultural roots, and social problems from the Spanish and Mexican colonial period to the present. Included is an examination of the principles of state and local government as well as political, economic and social forces as they relate to contemporary Chicano/a problems. Considers the Constitution of the United States and its relevance to the Chicanos in America’s second largest minority group. 54 hours lecture.

HIS-32 - Colonial Latin America  3 units
UC, CSU
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
This course is a survey of Early Latin American history from the pre-Colombian period to early nineteenth century. Emphasis is placed on the indigenous past, conquest, Catholic Church, race and social relations, economic and political structures, and the dissolution of colonial rule. 54 hours lecture.

HIS-34 - History of Women in America  3 units
UC, CSU
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
A survey of the political, social, and cultural institutions which have shaped the role and character of women in America. The historical role of women in the development of the nation, and the ongoing struggle to achieve political, economic, and social equality will be examined. 54 hours lecture.
HIS-35 - History of England 3 units
UC, CSU
Prerequisite: None.
Advisory: Qualifying reading placement level.
A historical survey of developments of the major social, political, and economic ideas and institutions of England from the Roman occupation, the coming of the Anglo-Saxons, and the Norman Invasion, the Tudor and Stuart reigns, the Age of the Enlightenment, and modern England. 54 hours lecture.

HIS-40 - Oral History 3 units
CSU
Prerequisite: None.
Oral history is the process through which tape recorded interviews are used to document and preserve significant personal events in history. Students will learn to research documents, interview, transcribe, and edit individual human experiences. Students will be required to complete a minimum of 18 hours conducting interviews. 54 hours lecture.

HUMANITIES

HUM-4 - Arts and Ideas: Ancient World through the Late Medieval Period 3 units
UC, CSU
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
An interdisciplinary study of the cultural movements in art, architecture, literature, music, philosophy, and religion of Western Civilization. The cultural achievements of the ancient world and the middle ages are studied to develop an understanding of their philosophical ideas, values, cultural meaning, artistic form, and contributions to modern thought. Students may not receive credit for both HUM-4 and HUM-4H. 54 hours lecture.

HUM-4H - Honors Arts and Ideas: Ancient World through the Medieval Period 3 units
UC, CSU
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
Limitation on enrollment: Enrollment in the Honors Program.
An interdisciplinary study of the cultural movements in art, architecture, literature, music, philosophy, and religion of Western Civilization. The cultural achievements of the ancient world and the middle ages are studied to develop an understanding of their philosophical ideas, values, cultural meaning, artistic form, and contributions to modern thought. The honors course offers an enriched experience for accelerated students by means of limited class size, seminar format, discussions and projects generated and led by students, a focus on primary texts in translation, and the applications of higher-level thinking and writing skills—analysis, synthesis, and evaluation. Students may not receive credit for both HUM-4 and HUM-4H. 54 hours lecture.

HUM-5 - Arts and Ideas: The Renaissance through the Modern Era 3 units
UC, CSU
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
An interdisciplinary study of the cultural movements in art, architecture, literature, music, philosophy, photography, cinema, media, and religion of Western civilization. The cultural achievements of the Renaissance, Enlightenment, Romantic, Modern and post-Modern periods are studied to develop an understanding of their philosophical ideas, values, cultural meaning, artistic form, and contributions to modern thought. Students may not receive credit for both HUM-5 and HUM-5H. 54 hours lecture.

HUM-5H - Honors Arts and Ideas: The Renaissance through the Modern Era 3 units
UC, CSU
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
Limitation on enrollment: Enrollment in the Honors Program.
An interdisciplinary study of the cultural movements in art, architecture, literature, music, philosophy, photography, cinema, media, and religion of Western civilization. The cultural achievements of the Renaissance, Enlightenment, Romantic, Modern and post-Modern periods are studied to develop an understanding of their philosophical ideas, values, cultural meaning, artistic form, and contributions to modern thought. The honors course offers an enriched experience for accelerated students by means of limited class size, seminar format, discussions and projects generated and led by students, a focus on primary texts in translation, and the applications of higher-level thinking and writing skills—analysis, synthesis, and evaluation. Students may not receive credit for both HUM-5 and HUM-5H. 54 hours lecture.

HUM-8 - Introduction to Mythology 3 units
(Same as ENG-8)
UC, CSU
Prerequisite: None.
Advisory: REA-83 and ENG-1B or 1BH.
A study of Greco-Roman and other mythological traditions. Emphasizes the historical sources and cultural functions of myths and legends in ancient societies and their continuing relevance to modern thought and culture. 54 hours lecture.

HUM-9 - American Voices 3 units
UC, CSU
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
An interdisciplinary study of American voices across class, racial, ethnic, religious, and other boundaries. Close reading of American biographies and autobiographies of writers, artists, musicians, and other artists to analyze the evolving character of American identity. 54 hours lecture.
HUM-10 - World Religions  
3 units  
UC, CSU  
Prerequisite: None.  
Advisory: REA-83 and qualification for ENG-1A.  
Thought and concepts of the major religious systems, including  
primal religions, extinct religions, Hinduism, Buddhism, Jainism,  
Sikhism, Confucianism, Taoism, Shintoism, Zoroastrianism,  
Judaism, Christianity, and Islam. Students may not receive credit  
for both HUM-10 and HUM-10H. 54 hours lecture.

HUM-10H - Honors World Religions  
3 units  
UC, CSU  
Prerequisite: None.  
Advisory: REA-83 and qualification for ENG-1A.  
Limitation on enrollment: Enrollment in the Honors Program.  
Thought and concepts of the major religious systems, including  
primal religions, extinct religions, Hinduism, Buddhism, Jainism,  
Sikhism, Confucianism, Taoism, Shintoism, Zoroastrianism,  
Judaism, Christianity, and Islam. This honors course offers an  
enriched experience for students through limited class size, seminar  
format, discussions and projects generated and led by students, a  
focus on primary texts in translation and the application of higher  
level thinking and writing skills – analysis, synthesis and  
evaluation. Students may not receive credit for both HUM-10 and  
HUM-10H. 54 hours of lecture.

HUM-11 - Religion in America  
3 units  
UC, CSU  
Prerequisite: None.  
Advisory: HUM-10, REA-83 and qualification for ENG-1A.  
Thought and practice of American religious traditions, including  
Native American practices, Protestantism, American religious sects  
(Mormons, Seventh-Day Adventists), Catholicism, Judaism and  
Asian religions. Attention is also directed to the relationship  
between religion and politics, and religion and the different ethnic  
and racial groups of American culture. Course requires participant  
observation in different religious settings. 54 hours lecture.

HUM-16 - Arts and Ideas: American Culture  
3 units  
UC, CSU  
Prerequisite: None.  
Advisory: REA-83 and qualification for ENG-1A.  
An interdisciplinary survey of the cultural movements in art,  
architecture, literature, music, philosophy, and religion of  
American culture. American culture is studied in the context of  
American political culture, economic and industrial transformation,  
and the changing shape of American society. American arts and  
ideals are examined from the colonial period through the present.  
54 hours lecture.

HUM-18 - Death: An Interdisciplinary Perspective  
3 units  
UC, CSU  
Prerequisite: None.  
Advisory: REA-83 and qualification for ENG-1A.  
An interdisciplinary study of death from historical, mythological,  
religious, philosophical and biological perspectives. The evolving  
way in which world cultures have understood the problem of death  
is studied through works of literature, art, and philosophy. 54 hours  
lecture.

HUM-20A - Arts and Ideas: Special Studies  
1 unit  
in Humanities  
CSU  
Prerequisite: None.  
Advisory: Qualification for ENG-1A.  
An interdisciplinary survey of the cultural movements in art,  
architecture, literature, music, philosophy or religion organized  
around first-hand observation of relevant works and/or lecture.  
Topics vary and take advantage of resources in study abroad  
programs, available museum and performance resources and needs  
and interests of students and faculty. 18 hours lecture.

HUM-20B - Arts and Ideas: Special Studies  
2 units  
in Humanities  
CSU  
Prerequisite: None.  
Advisory: Qualification for ENG-1A.  
An interdisciplinary survey of the cultural movements in art,  
architecture, literature, music, philosophy or religion organized  
around first-hand observation of relevant works and/or lecture.  
Topics vary and take advantage of resources in study abroad  
programs, available museum and performance resources and needs  
and interests of students and faculty. 36 hours lecture.

HUM-20C - Arts and Ideas: Special Studies  
3 units  
in Humanities  
CSU  
Prerequisite: None.  
Advisory: Qualification for ENG-1A.  
An interdisciplinary survey of the cultural movements in art,  
architecture, literature, music, philosophy or religion organized  
around first-hand observation of relevant works and/or lecture.  
Topics vary and take advantage of resources in study abroad  
programs, available museum and performance resources and needs  
and interests of students and faculty. 54 hours lecture.

HUM-23 - The Bible as Literature  
3 units  
(Same as ENG-23)  
UC, CSU  
Prerequisite: None.  
Advisory: ENG-1B or 1BH and REA-83.  
A survey of the Hebrew Bible and New Testament with emphasis  
on literary form, styles, and themes. 54 hours lecture. (Letter  
Grade, or Pass/No Pass option.)
HUM-35 - Philosophy of Religion 3 units
(Same as PHI-35)
UC, CSU
Prerequisite: None.
Advisory: PHI-10 or 10H or 11 and REA-83 and qualification for ENG-1A.
An introduction to the examination of religious claims from a philosophical perspective. Emphasis will be placed upon examining the rational justification for various traditional faith claims, and upon examining the relationship between rationality and faith. The course presumes a basic knowledge of philosophical argumentation. 54 hours lecture.

Additional Humanities Courses
Examples of courses which are often classified as Humanities by other colleges and universities are:
- ART-1, 2, 2H - History and Appreciation of Art
- ENG-6, 7 - English Literature
- ENG-14, 15 - American Literature
- ENG-40, 41 - Masterpieces of World Literature
- MUS-19, 19H, 20, 21 - Music History and Literature
- Any Philosophy course
See also Humanities A.A. Degree requirements

INTERDISCIPLINARY STUDIES

ILA-1 - Introduction to Tutor Training 1 unit
Prerequisite: None.
Advisory: Qualification for ENG-1A.
Introduction to tutoring, with an emphasis on tutoring strategies, learning styles, problem solving, and working with diverse student populations. Designed to prepare students to become peer tutors in a variety of subject areas. Tutors develop student-centered, non-intrusive tutoring skills to meet a wide variety of student needs. Topics include theory, practice and ethics of tutoring, interpersonal communications techniques, tutoring diverse student populations, and group tutorial methods and practical field work. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)

ILA-5 - Service Learning and Community Involvement 1-2-3-4 units
Prerequisite: None.
Examines and addresses community need through service learning. Permits exploration of discipline and/or career specific interests and options through direct interface with community entities. Enriches personal and career development through the understanding of civic and social issues. Students may earn up to 4 units each semester for a maximum of 16 units. No more than 15 hours per week of volunteer work may be applied toward the service learning requirement; 60 hours of volunteer work in the semester is required for each unit. 9 hours lecture and 27 hours laboratory. (Letter Grade, or Pass/No Pass option.)
**JAPANESE**

**JPN-1 - Japanese 1**  
UC*, CSU  
*Prerequisite: None.*  
This course concentrates on developing basic skills in listening, reading, speaking, and writing. Emphasis is placed on acquisition of vocabulary, structures, and grammatical patterns necessary for comprehension of native spoken and written Japanese at the beginning level. This course includes discussion of Japanese culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**JPN-2 - Japanese 2**  
UC, CSU  
*Prerequisite: JPN-1.*  
Further development of basic skills in listening, reading, speaking, and writing. A continued emphasis on acquisition of vocabulary, structures, and grammatical patterns necessary for comprehension of standard spoken and written Japanese at the beginning level. This course includes an expanded discussion of Japanese culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**JPN-3 - Japanese 3**  
UC, CSU  
*Prerequisite: JPN-2.*  
Development of intermediate skills in listening, reading, speaking, and writing. A continued emphasis on acquisition of vocabulary, structures, and grammatical patterns necessary for comprehension of standard spoken and written Japanese at the intermediate level. This course includes an expanded discussion of Japanese culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**JPN-4 - Japanese 4**  
UC, CSU  
*Prerequisite: JPN-3.*  
Further development of intermediate skills in listening, reading, speaking, and writing. A review of the vocabulary, structures, and grammatical patterns necessary for comprehension of standard spoken and written Japanese at the intermediate level. An emphasis on the reading of novels, short stories, poems, and plays in Japanese as a means of enhancing basic Japanese language skills. This course includes an expanded discussion of Japanese culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**JPN-11 - Culture and Civilization**  
UC, CSU  
*Prerequisite: None.*  
Introductory survey of Japanese culture and civilization as reflected in language, literature, art, history, politics, customs and social institutions. Class conducted in English. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**JOURNALISM**

**JOU-1 - Introduction to Journalism**  
CSU (C-ID JOUR 110)  
*Prerequisite: None.*  
Advisory: ENG-1A or 1AH.  
An introduction to gathering, synthesizing/organizing, and writing news in journalistic style across multiple platforms. Includes role of the journalist and related legal and ethical issues. Students will report and write based on their original interviews and research to produce news content. Experiences may include covering speeches, meetings and other events, writing under deadline, and use of AP Style. 54 hours lecture. 54 hours lecture.

**JOU-2 - Intermediate Reporting/Newswriting**  
CSU (C-ID JOUR 210)  
*Prerequisite: JOU-1.*  
This course is a continuation of the introductory newswriting/reporting courses and focuses on coverage of public affairs beats, including local and regional government, police, courts, and school and city boards. It includes both on- and off-campus reporting and writing/news presentation for a variety of news purposes and through multiple platforms. 54 hours lecture.

**JOU-7 - Mass Communications**  
UC, CSU (C-ID JOUR 100)  
*Prerequisite: None.*  
Survey of mass communication and the interrelationships of media with society including history, structure, and trends in a digital age. Discussion of theories and effects, economics, technology, law and ethics, global media, media literacy, and social issues, including gender and cultural diversity. 54 hours lecture.

**JOU-12 - Photojournalism**  
(Same as PHO-12)  
CSU (C-ID JOUR 160)  
*Prerequisite: PHO-8.*  
*Corequisite: Concurrent enrollment in or prior completion of PHO-9.*  
Introduction to basic photojournalism as a means for communicating visual information in print media. Emphasis on using photos to tell a story. Discussion of the professional, legal, and ethical responsibilities of the photojournalist. Students required to provide 35 mm camera with manual override. Lab material fees assessed on the first day of class. 36 hours lecture and 54 hours laboratory. (Materials fee: $15.00)

**JOU-20A - Newspaper: Beginning**  
CSU (C-ID JOUR 130)  
*Prerequisite: None.*  
Advisory: ENG-1A or ENG-1AH and/or JOU-1 and/or PHO-8.  
Beginning-level college newspaper production with an emphasis on both theory and practice. Qualified students may serve in various capacities, ranging from writing to photography to art. Students may not take JOU-20 and/or JOU-20A/B/C/D for more than a combined total of four times. 27 hours lecture and 81 hours laboratory.
JOU-20B - Newspaper: Intermediate  3 units
CSU
Prerequisite: JOU-20A.
Advisory: ENG-1A or ENG-1AH and/or JOU-1 and/or PHO-8.
Intermediate-level college newspaper production with an emphasis on both theory and practice. Qualified students may serve in various capacities, ranging from writing to photography to art. Students may not take JOU-20 and/or JOU-20A/B/C/D for more than a combined total of four times. 27 hours lecture and 81 hours laboratory.

JOU-20C - Newspaper: Advanced  3 units
CSU
Prerequisite: JOU-20B.
Advisory: ENG-1A or ENG-1AH and/or JOU-1 and/or PHO-8.
Advanced-level college newspaper production with an emphasis on both theory and practice. Qualified students may serve in various capacities, ranging from writing to photography to art. Students may not take JOU-20 and/or JOU-20A/B/C/D for more than a combined total of four times. 27 hours lecture and 81 hours laboratory.

JOU-20D - Newspaper: Professional  3 units
CSU
Prerequisite: JOU-20C.
Advisory: ENG-1A or ENG-1AH and/or JOU-1 and/or PHO-8.
Professional-level college newspaper production with an emphasis on both theory and practice. Qualified students may serve in various capacities, ranging from writing to photography to art. Students may not take JOU-20 and/or JOU-20A/B/C/D for more than a combined total of four times. 27 hours lecture and 81 hours laboratory.

JOU-52A - Newspaper Editing: Beginning  3 units
CSU
Prerequisite: None.
Advisory: JOU-1 and/or PHO-8 and/or ENG-1A or 1AH.
Beginning-level editing practice in the production of the college newspaper. Course to include theory and practice in beginning-level newspaper production, including copy editing, photographic processes, and critiques of college newspaper. 36 hours lecture and 54 hours laboratory.

JOU-52B - Newspaper Editing: Intermediate  3 units
CSU
Prerequisite: JOU-52A.
Intermediate-level editing practice in the production of the college newspaper. Course to include theory and practice in intermediate-level newspaper production, page design, photographic theory and graphic arts processes. Critiques of college newspaper to be included. 36 hours lecture and 54 hours laboratory.

JOU-52C - Newspaper Editing: Advanced  3 units
CSU
Prerequisite: JOU-52B.
Advanced-level editing practice in the production of the college newspaper. Course to include theory and practice in section leadership and advanced-level news editing, headline writing, page design, photographic theory and graphic arts processes. Critiques of college newspaper to be included. 36 hours lecture and 54 hours laboratory.

JOU-52D - Newspaper Editing: Executive  3 units
CSU
Prerequisite: JOU-52C.
Editing practice in the production of a newspaper with executive editing experience on the college newspaper. Course to include theory and practice in editing management, including editorial board service, news editing, and zoning staff leadership. Critiques of college newspaper to be included. 36 hours lecture and 54 hours laboratory.

JOU-200 - Journalism Work Experience  1-2-3-4 units
CSU*
Prerequisite: None.
Advisory: Students should have paid or voluntary employment.
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

Also see PHOTOGRAPHY

JUSTICE STUDIES

JUS-1 - Introduction to the Administration of Justice  3 units
(Same as ADJ-1)
UC, CSU
Prerequisite: None.
The history and philosophy of administration of justice in America; recapitulation of the system; identifying the various subsystems, role expectations, and their interrelationships; theories of crime, punishment, and rehabilitation; ethics, education, and training for professionalism in the system. 54 hours lecture.
JUS-2 - Principles and Procedures of the Justice System 3 units
(Same as ADJ-2)
CSU
Prerequisite: None.
The role and responsibilities of each segment within the This course provides an examination and analysis of due process in criminal proceedings from pre-arrest through trial and appeal utilizing statutory law and state and constitutional precedents. 54 hours lecture.

JUS-3 - Concepts of Criminal Law 3 units
(Same as ADJ-3)
UC, CSU (C-ID AJ120)
Prerequisite: None.
Historical development, philosophy of law and constitutional provisions; definitions, classification of crimes, and their application to the system of administration of justice; legal research, study of case law, methodology, and concepts of law as a social force. 54 hours lecture.

JUS-4 - Legal Aspects of Evidence 3 units
(Same as ADJ-4)
CSU
Prerequisite: None.
Origin, development, philosophy and constitutional basis of evidence; 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. 54 hours lecture.

JUS-5 - Community Relations 3 units
(Same as ADJ-5)
UC, CSU
Prerequisite: None.
An in-depth exploration of the roles of administration of justice practitioners and agencies. The interrelationships and role expectations among the various agencies and the public. Principal emphasis will be placed upon the professional image of the system of justice administration and the development of positive relationships between members of the system and the public. 54 hours lecture.

JUS-8 - Juvenile Law and Procedures 3 units
(Same as ADJ-8)
CSU (C-ID AJ 220)
Prerequisite: None.
The organization, functions, and jurisdiction of juvenile agencies; the processing and detention of juveniles; juvenile case disposition; juvenile statutes and court procedures. 54 hours lecture.

JUS-9 - Law in American Society 3 units
(Same as ADJ-9)
CSU
Prerequisite: None.
A general survey of practical law intended as an introduction to the American legal system and to acquaint the student with elements of the law that affect everyday legal relationships: criminal and juvenile justice, consumer law, family law, housing law, and individual rights and liberties. Emphasis is placed on the philosophical and political foundations of law and on civil law. Recommended for prelaw students and for others interested in the practical application of the law. 54 hours lecture.

JUS-12 - Introduction to Criminalistics 3 units
(Same as ADJ-12)
CSU
Prerequisite: None.
Criminalistics is the application of science to the solution of crimes. This course will introduce the student to the breadth and complexities of scientifically examining physical evidence relating to criminal matters. The course offers insight, basic knowledge, and applicable skills for the collection, categorization, analysis, interpretation, and reporting of crime-related evidence. The categories of inceptive evidence, identification evidence, associative evidence, and corroborative evidence will be explored, and the pattern, chemical, and biological types of evidence will be examined. 54 hours lecture and 18 hours laboratory.

JUS-13 - Criminal Investigation 3 units
(Same as ADJ-13)
CSU
Prerequisite: None.
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. 54 hours lecture.

JUS-14 - Advanced Criminal Investigation 3 units
(Same as ADJ-14)
CSU
Prerequisite: JUS/ADJ-13.
Advanced training and skill development in the conduct of crime scene investigation and in the recording, collection and preservation of physical evidence. Focus is on the understanding and working knowledge of fingerprints, ballistics, firearms identification, varieties of trace evidence and a basic introduction to forensic sciences. 54 hours lecture and 24 hours laboratory.
JUS-20 - Introduction to Corrections  3 units  
(Same as ADJ-20)  
CSU  
Prerequisite: None.  
This course is designed to provide the student with an overview of the history and trends of adult and juvenile corrections, including probation and parole. The course will focus on the legal issues, specific laws and general operations of correctional institutions. The relationship between corrections and other components of the judicial system will also be examined. This course has been identified by the Correctional Peace Officer Standards and training Board of the Department of Corrections, California Youth Authority and the California Peace Officers Association to fulfill the educational requirements of the CPOST Certificate for apprentices hired after July 1, 1995 by CDC and CYA. 54 hours lecture.

JUS-25 - Introduction to Probation and Parole  3 units  
(Same as ADJ-25)  
Prerequisite: None.  
This course provides an overview of the historical development of probation and parole from early court procedures through modern practices. Course study will emphasize organization, function, goals, development and treatment theory focusing on how these concepts are utilized in California. 54 hours lecture.

JUS-30 - Introduction to Family Support Law  3 units  
(Same as ADJ-30)  
Prerequisite: None.  
This course introduces students to the comprehensive range of policy, procedure, philosophy and theory relevant to the practice of Family Support Law. The course examines Family Support laws as they relate to child and parental rights, establishment of paternity, the role of government and the courts and policies and procedures used in the administration of such laws in public agencies. 54 hours lecture.

KIN-4 - Nutrition  3 units  
UC, CSU  
Prerequisite: None.  
The principles of modern nutrition and its application. The importance of a scientific knowledge of nutrition, specific food nutrients and nutritional controversies. A study of modern convenience foods and their impact on present day diets. 54 hours lecture.

KIN-6 - Introduction to Physical Education for Pre-School and Elementary Children  3 units  
CSU  
Prerequisite: None.  
This course provides a comprehensive overview of theories and methods relating to the development of a physical education program for children ages 2-11 years including children with special needs and abilities. Emphasis is on the application of principles of physical growth and development to the teaching and acquisition of specific physical skills. The course curriculum is consistent with the California State Department of Education Physical Education Framework. 45 hours lecture and 27 hours laboratory.

KIN-8 - Triathlon Techniques  2 units  
UC, CSU  
Prerequisite: None.  
Provides instruction for the development of a multi-sport fitness program. Students will assess their personal fitness state, analyze their swimming, cycling and running skills and learn how to develop an individual program. Other topics will include injury prevention, nutrition, equipment technology and maintenance. 18 hours lecture and 54 hours laboratory.

KIN-10 - Introduction to Kinesiology  3 units  
UC, CSU (C-ID KIN 100)  
Prerequisite: None.  
This course is an introduction to the interdisciplinary approach to the study of human movement. An overview of the importance of the sub-disciplines in Kinesiology will be discussed along with career opportunities in the areas of teaching, coaching, allied health and fitness professions. 54 hours lecture.

KIN-12 - Sport Psychology  3 units  
CSU  
Prerequisite: None.  
This course links research in sport psychology with techniques to implement the research in real world settings. This course describes, explains and applies sport psychology concepts and theories to practical experiences. 54 hours lecture.
KIN-14 - Athletic and Fitness Organization and Administration  
CSU  
*Prerequisite: None.*  
This course presents a balance of theory and practice in organization and administration of athletic and fitness programs. It includes management functions such as facilities planning, finances, risk management, public relations and marketing for high school, college and professional sport programs and health, recreation and fitness programs. 54 hours lecture.

KIN-16 - Introduction to Athletic Training  
UC, CSU  
*Prerequisite: None.*  
This course will teach the basic concepts of athletic training with emphasis in the prevention and care of athletic injuries. Basic taping techniques will be presented and practiced. 45 hours lecture and 27 hours laboratory.

KIN-17 - Athletic Training, Fall Sports, Lower Extremity  
UC*, CSU  
*Corequisite: Concurrent enrollment in or prior completion of KIN-16 and 30.*  
Athletic training observation and experience in fall athletic contests; specifically, observation of game situations in football, volleyball, soccer, water polo, cross country, and basketball. The student will observe and experience pre and post practice situations in the Athletic Training Room. Study will cover anatomy, injury assessment, treatment and rehabilitation of the lower extremity. 18 hours lecture and 54 hours laboratory.

KIN-18 - Athletic Training, Spring Sports, Upper Extremity  
UC*, CSU  
*Corequisite: Concurrent enrollment in or prior completion of KIN-16 and 30.*  
Athletic training observation and experience in spring athletic contests; specifically, observation of game situations in baseball, softball, track, swimming, tennis, and basketball. The student will observe and experience pre and post practice situations in the Athletic Training Room. Study will cover anatomy, injury assessment, treatment and rehabilitation of the upper extremity. 18 hours lecture and 54 hours laboratory.

KIN-19 - Athletic Training, Fall Sports, Head, Neck, Spine, Torso, and Hip  
UC*, CSU  
*Prerequisite: None.*  
Corequisite: Concurrent enrollment in or prior completion of KIN-16 and 30.  
Athletic training observation and experience in fall athletic contests; specifically, observation of game situations in football, volleyball, soccer, water polo, cross country, and basketball. The student will observe and experience pre and post practice situations in the Athletic Training Room. Study will cover anatomy, injury assessment, treatment and rehabilitation of the head, neck, spine, torso and hip. 18 hours lecture and 54 hours laboratory.

KIN-20 - Athletic Training, Spring Sports, Lower Extremity  
UC*, CSU  
*Corequisite: Concurrent enrollment in or prior completion of KIN-16 and 30.*  
Athletic training observation and experience in spring athletic contests; specifically, observation of game situations in baseball, softball, track, swimming, tennis, and basketball. The student will observe and experience practice situations including pre and post practice in the Athletic Training Room. Study will cover various topics related to athletic training including heat illness, unconscious athlete, terminology, tissue response to injury, dietary supplements, pharmaceuticals, nutrition and rehabilitation. 18 hours lecture and 54 hours laboratory.

KIN-21A - Athletic Training Applications A  
CSU  
*Prerequisite: None.*  
Corequisite: Completion of or concurrent enrollment in KIN-17 or 18 or 19 or 20.  
The student, under the supervision of a Certified Athletic Trainer, will be responsible for all aspects of the athletic training services provided to a Riverside Community College District athletic team. Students will be responsible in assisting in daily procedures, modality treatment protocols, practice preparation and athletic training protocols. 108 hours laboratory.

KIN-21B - Athletic Training Applications B  
CSU  
*Prerequisite: KIN-21A.*  
Corequisite: Completion of or concurrent enrollment in KIN-17 or 18 or 19 or 20.  
The student, under the supervision of a Certified Athletic Trainer, will be responsible for all aspects of the athletic training services provided to a Riverside Community College District athletic team. Students will be responsible for learning and performing tape jobs, bracing and padding, designing stretching programs, assisting in daily treatment protocols. 108 hours laboratory.
KIN-21C - Athletic Training Applications C  
2 units 
CSU
Prerequisite: KIN-21B.
Corequisite: Completion of or concurrent enrollment in KIN-17 or 18 or 19 or 20.
The student, under the supervision of a Certified Athletic Trainer, will be responsible for all aspects of the athletic training services provided to a Riverside Community College District athletic team. Students will be responsible for assisting in pre-participation screenings, insurance protocols, injury management, lower extremity injury assessment and rehabilitation programs. 108 hours laboratory.

KIN-21D - Athletic Training Applications D  
2 units 
CSU
Prerequisite: KIN-21C.
Corequisite: Completion of or concurrent enrollment in KIN-17 or 18 or 19 or 20.
The student, under the supervision of a Certified Athletic Trainer, will be responsible for all aspects of the athletic training services provided to a Riverside Community College District athletic team. Students will be responsible for sport specific coverage, rehabilitation programs from start to finish, injury assessment and injury management. 108 hours laboratory.

KIN-23 - Volleyball Coaching Theory  
3 units 
CSU
Prerequisite: None.
The course will consist of the various aspects of coaching volleyball. The emphasis of the course will be on the theory, structure, and organization of club, high school, collegiate and international volleyball programs. This course teaches team and individual offensive and defensive strategies, technical skills, and program management. 54 hours lecture.

KIN-24 - Sports Officiating-Fall Sports  
3 units 
UC*, CSU
Prerequisite: None.
The mechanics, techniques, and rules of officiating football, basketball, and volleyball are defined, analyzed and applied to prepare students to become competent officials. 54 hours lecture plus required field work.

KIN-25 - Sports Officiating-Spring Sports  
3 units 
UC*, CSU
Prerequisite: None.
The mechanics, techniques, and rules of officiating baseball, softball and track and field are defined, analyzed and applied to prepare students to become competent officials. 54 hours lecture.

KIN-26 - Foundations of Coaching  
3 units 
CSU
Prerequisite: None.
This course introduces the student to the professions of athletic coaching. Emphasis is on a comprehensive approach to the art and science of coaching including developing a coaching philosophy, sport psychology, sport physiology and sport management. Topics include coaching objectives and style, communication skills, motivation, teaching sport skills, principles for training, team management and self-management. 54 hours lecture.

KIN-27 - Football Theory  
3 units 
UC*, CSU
Prerequisite: None.
The course includes the study of various aspects of coaching football. The emphasis of the class will be on the theory of how to organize a football program, individual skills and offensive and defensive play. 54 hours lecture.

KIN-28 - Basketball Theory  
3 units 
UC, CSU
Prerequisite: None.
This course includes the study of various aspects of coaching basketball. The emphasis of the class will be on the theory of how to organize a basketball program, individual skills and offensive and defensive play. 54 hours lecture.

KIN-29 - Soccer Theory  
3 units 
UC*, CSU
Prerequisite: None.
This course includes the study of various aspects of coaching the sport of soccer. Students will learn rules, principles for training, team management, communication skills, how to recruit players and techniques for teaching individual skills, offensive and defensive play and team strategies. 54 hours lecture.

KIN-30 - First Aid and CPR  
3 units 
UC, CSU (C-ID KIN 101)
Prerequisite: None.
This course involves the theory and detailed demonstration of first aid of the injured by the citizen responder. Students will learn how to assess a victim’s condition and incorporate proper treatment. Students who successfully pass all National Safety Council requirements will receive a National safety council Advanced First Aid Certificate. Students who successfully pass all American Heart Association requirements will receive a Healthcare Professional CPR Certificate. A fee of $20.00 for required certificates will be charged to the student and is not covered by BOGW. 54 hours lecture.

KIN-33 - Baseball Theory  
3 units 
UC*, CSU
Prerequisite: None.
The course covers various aspects of coaching baseball which include theory, philosophy, organization and structure of a program, individual skills, and offensive and defensive team play. 54 hours lecture.
KIN-25 - Sports Officiating - Spring Sports  3 units
UC, CSU
*Prerequisite: None.
Covers various aspects of coaching softball which include theory, philosophy, organization and structure of a program, mental skills, individual skills, offensive and defensive team play and digital video analysis. 54 hours lecture.

KIN-35 - Foundation for Fitness and Wellness  3 units
CSU
*Prerequisite: None.
This course will provide students with the ability to make informed choices and to take responsibility for those choices in the areas of fitness, nutrition and stress management. Emphasis is on the application of health and physical fitness principles. Each student will develop a personalized plan for the overall maintenance of their own wellness. 45 hours lecture and 27 hours laboratory.

KIN-36 - Wellness: Lifestyle Choices  3 units
CSU
*Prerequisite: None.
The course content focuses upon the dynamic and inter-related dimensions of wellness and how choices made by the individual may encourage an enhanced quality of life. The dimensions of wellness include the social, physical, emotional, occupational, intellectual, environmental, and spiritual. Potential student benefits include learning positive life skills through expanding self-awareness and the opportunity to enhance one’s personal, family and community wellness. 54 hours lecture.

KIN-38 - Stress Management  3 units
CSU
*Prerequisite: None.
This course addresses the nature, physiology, and psychology of stress. Students will explore perceptions, attitudes, beliefs, and lifestyle factors that may be pre-cursors and contributors to distress. Students will also explore a variety of coping strategies and relaxation techniques. The lab portion of this class provides the opportunity for students to practice techniques and develop a personalized stress management program. 45 hours lecture and 27 hours laboratory.

KIN-42 - Lifeguarding/Title 22 First Aid/ Water Safety  4 units
Instructor
UC, CSU
*Prerequisite: None.
Limitation on enrollment: Retention based on the ability to complete a 300 yard swim utilizing the front crawl and breast stroke and surface dive to retrieve a weight from a 10 foot depth of the pool, demonstrate competence in a 25 yard swim of the elementary backstroke, sidestroke, and butterfly.
This course is designed to drill the competent swimmer in life saving and water safety techniques, professional first aid and CPR care to develop the necessary understanding and knowledge to teach American Red Cross courses in swimming. Students successfully completing the requirements will be awarded the American Red Cross CPR for the Professional Rescuer, Title 22 First Aid, Lifeguarding and Water Safety Instructor Certificates. 54 hours lecture and 54 hours laboratory. A fee of $75.65 for required certificates will be charged to the student and is not covered by BOGW.

KIN-43 - Personal Training  3 units
CSU
*Prerequisite: None.
This course includes experience in applying foundations in basic exercise physiology, biomechanics, fitness assessments, exercise prescriptions and instructional techniques. Professional responsibilities of personal trainers will be covered. This course provides the necessary information to pass the Personal Trainer Certification Exam for national certifying organizations (ACE, IFPA, NCSA, etc.). 36 hours lecture and 54 hours laboratory.

KIN-44 - Yoga Instructor Training  3 units
CSU
*Prerequisite: None.
*Advisory: Two units of KIN-A47.
This course covers yoga philosophy and practice. Topics include teaching postures in a safe manner, breathing techniques and how to observe and assist students. This course may be used as partial fulfillment of the requirements to be a Registered Yoga Teacher through the Yoga Alliance. 36 hours lecture and 54 hours laboratory.

KIN-45 - Group Fitness Instructor  3 units
CSU
*Prerequisite: None.
This course covers fitness both in theory and practice. Topics include how to teach exercise, the essentials of exercise, nutrition and weight management, and safety guidelines. This course provides the foundation for becoming a nationally certified (ACE, AFAA, etc.) group fitness instructor. 36 hours lecture and 54 hours laboratory.
KIN-47 - Hiking and Backpacking  2 units
UC*, CSU

Prerequisite: None.
The purpose of this course is to introduce the student to hiking and backpacking. Topics to be covered include selection of equipment, clothing and food. Safety, first aid, survival and map reading will also be discussed. Participation in weekend field trips will be required. 18 hours lecture and 54 hours laboratory.

KIN-59 - Athletic Advisement  1 unit

Prerequisite: None.
Limitation on enrollment: Recommended for first year RCCD athletes.
The course assists student-athletes to transfer successfully to four-year institutions. Emphasis is on CCCAA, NCAA and NAIA rules and regulations; covers financial aid options, recruiting and eligibility rules for athletes; and the development of responsibilities and time management skills unique to student-athletes. 18 hours lecture.

KIN-200 - Kinesiology Work Experience  1-2-3-4 units
CSU*

Prerequisite: None.
Advisory: Students should have paid or voluntary employment.
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

ACTIVITY COURSES
Besides fulfilling the Self Development requirement, activity classes can be used as electives for the Associate of Arts Degree and the Associate of Science Degree.

KIN-A03 - Adaptive Physical Fitness  1 unit
UC*, CSU

Prerequisite: None.
Limitation on enrollment: Medical approval and verification of a physical disability.
Provides physical education for students with a physical disability to promote the total growth including better self-awareness, physical development and fitness. This course facilitates the student’s participation in his/her environment. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A04 - Adaptive Water Exercise  1 unit
UC*, CSU

Prerequisite: None.
Limitation on enrollment: Medical approval and verification of a physical disability.
Provides physical education for students with a physical disability to gain increased strength, flexibility, balance, movement memory and coordination in a shallow water pool. Students will use flotation devices, strength and balance equipment in a basic movement and exercise format. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A07 - Badminton  1 unit
UC*, CSU

Prerequisite: None.
This course is designed to introduce the basic footwork and racquet skills of badminton. Emphasis is placed on learning the rules, techniques and fundamental strategies for the singles and doubles game of badminton. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A09 - Racquetball  1 unit
UC*, CSU

Prerequisite: None.
This course is designed to introduce students to the rules and fundamental skills of racquetball. Students will also develop an understanding of basic strategy involved in racquetball and have the opportunity to participate in a class tournament. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A11 - Tennis, Beginning  1 unit
UC*, CSU

Prerequisite: None.
This beginning course is for the inexperienced or starting player. Emphasis is placed on the basic forehand, backhand, serve and volley strokes. Basic strategies for doubles and singles will be introduced. KIN-A11, A12, and A13 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory.

KIN-A12 - Tennis, Intermediate  1 unit
UC*, CSU

Prerequisite: None.
Advisory: KIN-A11.
Intermediate tennis is designed for the player wishing to review basic strokes and develop intermediate level skills. KIN-A11, A12, and A13 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory.
KIN-A13 - Tennis, Advanced  1 unit
UC*, CSU
Prerequisite: None.
Advisory: KIN-A12.
This course is designed for the advanced player interested in improving both their knowledge and skill in tennis. Emphasis is placed on advanced skills and competition. KIN-A11, A12, and A13 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory.

KIN-A20 - Golf, Beginning  1 unit
UC*, CSU
Prerequisite: None.
Designed to serve as an opportunity for the students to develop fundamental skills such as grip, stance, address and swing. Class competitive play and skill contests are conducted to further develop the students’ interest in the game. KIN-A20 and A21 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory.

KIN-A21 - Golf, Intermediate  1 unit
UC*, CSU
Prerequisite: None.
Advisory: KIN-A20.
This course is designed to serve as an opportunity for students to develop golf skills at the intermediate level. The mental approach to golf as well as intermediate drills and practice techniques will be employed to further enhance the students’ skill level. KIN-A20 and A21 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory.

KIN-A28 - Swimming, Beginning  1 unit
UC*, CSU
Prerequisite: None.
The beginning course introduces the skills and techniques of safety in and around a body of water. Emphasis is placed on acquiring the skills necessary to swim efficiently, safely and proficiently enough to use swimming as a means of physical exercise; i.e. flexibility, endurance and strength. KIN-A28, A29, and A30 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory.

KIN-A29 - Swimming, Intermediate  1 unit
UC*, CSU
Prerequisite: None.
Advisory: KIN-A28.
This course is designed to provide the student with a review of the skills learned in beginning swimming classes, in addition to teaching new intermediate level skills and techniques. Endurance swimming is encouraged and the swimmer is allowed time to practice distance swims. KIN-A28, A29, and A30 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A30 - Swimming, Advanced Skills and Conditioning  1 unit
UC*, CSU
Prerequisite: None.
Advisory: KIN-A29.
Advanced swimming is designed to develop strength, endurance and skill in all swimming strokes. Emphasis is placed on a swimmer acquiring the knowledge, skill and strength to use swimming for physical conditioning. KIN-A28, A29, and A30 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A31A - Beginning Water Aerobics and Deep Water Exercise  1 unit
CSU
Prerequisite: None.
Students will develop basic strength, flexibility, coordination and cardiovascular fitness within a shallow/deep water aerobic format. The student will also be introduced to deep water workouts with the aid of a flotation device (belt or noodle). KIN-A31A, A31B and A31C are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information, see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A31B - Intermediate Water Aerobics and Deep Water Exercise  1 unit
CSU
Prerequisite: KIN-A31A.
This course introduces intermediate water aerobic skills. Students will increase their coordination and balance along with strength, flexibility and cardiovascular fitness with in a shallow/deep water format. The student will be introduced to intermediate interval aerobic workouts with the addition of water resistance toys and flotation devices. Nutrition concepts and goal setting will be applied. KIN-A31A, A31B and A31C are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information, see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
KIN-A31C - Advanced Water Aerobics and Deep Water Exercise 1 unit
Prerequisite: KIN-A31B.
Using advanced water aerobic skills, this course will broaden the students water aerobic experience. Advanced interval aerobic shallow/deep water exercises, with the aid of a flotation device and toys, will increase strength, flexibility, cardiovascular endurance, muscle movement memory and coordination. Personal dietary plans, long term nutritional concepts and fitness goal setting are introduced and implemented. KIN-A31A, A31B and A31C are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information, see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A40 - Karate, Beginning 1 unit
Prerequisite: None.
This course in beginning karate will develop the basic skills needed for the art of unarmed self-defense. This includes the use of blocking, shifting, punching, striking, and kicking. Karate will also develop speed, grace of movement, self-confidence, poise, mental alertness, strength, endurance, and muscular control. Karate is a physical art and a sport that anyone, irrespective of size, age, or sex, can practice according to his or her own capabilities. KIN-A40, A41, A43, and A44 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A41 - Karate, Intermediate 1 unit
Prerequisite: None.
Advisory: Course is designed for students with proficient skills in blocking, shifting, punching, striking and kicking and the knowledge of basic katas or for those who have completed KIN-A40.
This course in intermediate karate is designed for the student wishing to review basic self defense skills and begin work on higher skills, develop intermediate level skills in unarmed self defense, and learn basic skills in kumite (free fighting). KIN-A40, A41, A43, and A44 are courses related in content and are limited in enrollment according to Title 5, section 55040. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A43 - T’ai-chi Ch’uan, Beginning 1 unit
Prerequisite: None.
Teaches the student the first Yang Style T’ai-chi ch’uan (taijiquan) routine, section one. The first t’ai-chi form is a 28 movement symmetrical choreographed routine. The students will learn proper posture, relaxation methods, stances, hand and foot motions. Benefits include improved balance, coordination and stress reduction. Supplemental exercises will include stretching methods, chi kung (qigong) and Chinese therapeutic exercises. KIN-A40, A41, A43, and A44 are courses related in content and are limited in enrollment according to Title 5, section 55040. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A44 - T’ai-chi Ch’uan, Intermediate 1 unit
Prerequisite: KIN-A43.
A continuation of Yang Style T’ai-chi Ch’uan. It will teach the student more advanced forms and training methods. Students will learn the Yang Style T’ai-chi Ch’uan (taijiquan) Long Form. Students will also learn the partner T’ai-chi San Shou application form, advanced pushing hands training methods and supplemental exercises. This class will prepare the student to test for the NWTCCA T’ai-chi Ch’uan certification. KIN-A40, A41, A43, and A44 are courses related in content and are limited in enrollment according to Title 5, section 55040. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A46 - Hatha Yoga, Beginning 1 unit
Prerequisite: None.
This course offers beginning Hatha yoga exercises to improve students’ physical and mental wellness. The yoga exercises will be taught to promote improvement in yoga breathing techniques, concentration, muscular flexibility, strength and endurance, balance and meditation techniques. KIN-A46 and A47 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A47 - Hatha Yoga, Intermediate 1 unit
Prerequisite: None.
Advisory: KIN-A46.
This course offers intermediate Hatha yoga exercises to improve students’ physical and mental wellness. The yoga exercises will be taught to promote improvement in yoga breathing techniques, concentration, muscular flexibility, strength and endurance, balance and meditation techniques. KIN-A46 and A47 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
KIN-A40 - Defense, and learn basic skills in kumite (free fighting). KIN-A40, higher skills, develop intermediate level skills in unarmed self-defense, and learn advanced martial arts techniques. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A41 - Advanced T'ai-chi Ch'uan certification. KIN-A40, A41, A43, and A44 are courses related in content and are limited in enrollment according to Title 5, section 55040. Further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A43 - T'ai-chi Ch'uan, Long Form. This course will provide advanced level T'ai-chi Ch'uan (taijiquan) exercises. This class will prepare the student to test for the NWTCCA T'ai-chi Ch'uan certification. KIN-A40, A41, A43, and A44 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A44 - Advanced T'ai-chi Ch'uan, Short Form. This course will provide advanced level T'ai-chi Ch'uan (taijiquan) exercises. This class will prepare the student to test for the NWTCCA T'ai-chi Ch'uan certification. KIN-A40, A41, A43, and A44 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A50 - Yoga, Beginning 1 unit UC*, CSU
Prerequisite: None.
This course offers beginning Hatha yoga exercises to improve students' physical and mental well-being. The yoga exercises will be taught to promote improvement in yoga breathing techniques, muscle movement memory and coordination. Personal dietary and fitness goal setting are analyzed. KIN-A67, A68, and A69 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A51 - Intermediate Yoga 1 unit UC*, CSU
Prerequisite: None.
Advisory: KIN-A46.
This course will provide advanced level T'ai-chi Ch'uan (taijiquan) exercises. This class will prepare the student to test for the NWTCCA T'ai-chi Ch'uan certification. KIN-A40, A41, A43, and A44 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A52 - Advanced Yoga 1 unit UC*, CSU
Prerequisite: None.
Advisory: KIN-A46.
This course will provide advanced level T'ai-chi Ch'uan (taijiquan) exercises. This class will prepare the student to test for the NWTCCA T'ai-chi Ch'uan certification. KIN-A40, A41, A43, and A44 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A54 - Fastpitch Softball Fundamentals 1 unit UC*, CSU
Prerequisite: None.
This course emphasizes core softball skills and techniques as the basis for advanced level competitive play. The student will be provided the opportunity to develop individual skills, defensive and offensive capabilities, and knowledge of fastpitch rules and strategy with the eventual goal being participation on a collegiate level team. KIN-A54 and A55 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A55 - Slow Pitch Softball 1 unit UC*, CSU
Prerequisite: None.
Designed to give students the basic skills, rules and strategies for team play in the sport of slow pitch softball. KIN-A54 and A55 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A57 - Basketball 1 unit UC*, CSU
Prerequisite: None.
The basketball course is designed to introduce the basic skill and leisure time potential of basketball. Emphasis is placed on learning the techniques and strategy of the game of basketball. Improvement in fundamentals, and two and three man situations, as well as five man situations, are stressed. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A62 - Flag Football 1 unit UC*, CSU
Prerequisite: None.
The activities in this course provide for instruction in the skills, techniques, strategy, and rules of flag football. The class emphasizes skill improvement, team unity, and safety procedures. This course is designed to contribute to the physical well being of all participating students. KIN-A62 and A62A are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A62A - Flag Football .5 unit UC*, CSU
Prerequisite: None.
The activities in this course provide for the introductory instruction in the skills, techniques, strategy and rules of flag football. The class emphasizes skill improvement, team unity, and safety procedures. KIN-A62 and A62A are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 27 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A64 - Soccer 1 unit UC*, CSU
Prerequisite: None.
This course is designed to introduce students to the rules, basic skills, and offensive/defensive strategy in soccer. Emphasis will be placed on improving individual skills and applying these skills to game situations. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A67 - Volleyball, Beginning 1 unit UC*, CSU
Prerequisite: None.
This volleyball course is designed to introduce the skills and lifetime potentials of volleyball. Emphasis is placed on learning the techniques, rules, and strategies of volleyball. KIN-A67, A68, and A69 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A68 - Volleyball, Intermediate 1 unit UC*, CSU
Prerequisite: None.
Advisory: KIN-A67.
Reviews basic volleyball skills and begins work on more advanced skills and playing strategies. KIN-A67, A68, and A69 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A69 - Volleyball, Advanced 1 unit UC*, CSU
Prerequisite: None.
Advisory: KIN-A67.
This course is designed to introduce advanced techniques of volleyball skills. Individual skill work, along with various team offensive systems and team defensive patterns, will be taught and analyzed. KIN-A67, A68, and A69 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
KIN-A71 - Sand Volleyball: Intermediate/Advanced R  
1 unit  
CSU  
Prerequisite: None.  
Advisory: KIN-A67 or proficient skills in sand volleyball.  
Course provides intermediate and advanced instruction and strategies in sand volleyball. Designed to develop advanced skills, knowledge of rules, team strategies and desire for future participation during leisure times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A74 - Hiking and Backpacking Activities  
1 unit  
UC*, CSU  
Prerequisite: None.  
Advisory: KIN-47.  
This course will provide additional experience for students to study hiking and backpacking in a safe and pleasurable environment. Proper permit procedures, respect for the wilderness environment, and enjoyment of the sport will be emphasized. Participation in weekend field trips will be required. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A75A - Walking for Fitness: Beginning  
1 unit  
CSU  
Prerequisite: None.  
This course is designed for all students with an emphasis on cardiovascular fitness, setting personal fitness goals and understanding the physiological benefits of a walking program. Walking programs will be established to improve cardiorespiratory endurance. KIN-A75A, A75B and A77 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

KIN-A75B - Walking for Fitness: Intermediate  
1 unit  
CSU  
Prerequisite: None.  
Advisory: KIN-A75A.  
This course is designed for students of intermediate fitness levels who would like to enhance and improve their cardiovascular fitness, basic strength and flexibility with more advanced walking strategies. Intermediate walking techniques will be utilized in establishing walking programs designed to promote improvements in cardiorespiratory endurance and body composition. KIN-A75A, A75B and A77 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information, see section VIII regarding course repetition. 54 hours laboratory. (Letter grade or Pass/No Pass option.)

KIN-A77 - Jogging for Fitness  
1 unit  
UC*, CSU  
Prerequisite: None.  
Advisory: KIN-A75B.  
This course is designed to introduce basic fitness concepts to improve each individual's physical health and general well being. The course is geared to all ages and is concerned with aspects of cardiovascular health and weight control. Emphasis will be on building endurance and strength through stretching, muscle strengthening and jogging for conditioning. KIN-A75A, A75B, and A77 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A80 - Triathlon Techniques  
1 unit  
UC*, CSU  
Prerequisite: None.  
Advisory: KIN-8.  
Provides additional participation in the development of a multi-sport fitness program. Students will assess their personal fitness state, analyze their swimming, cycling, and running skills and develop an individual training program. KIN-A80 and A82 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A81 - Physical Fitness  
1 unit  
UC*, CSU  
Prerequisite: None.  
This course is designed to give the student an overview of the basic concepts that affect total fitness. Personalized exercise programs in cardiovascular endurance, muscular endurance and flexibility will be developed. KIN-A81, A89A, A89B, A89C are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A82 - Speed, Agility, and Quickness Training  
1 unit  
UC*, CSU  
Prerequisite: None.  
This course brings together traditional resistance training and speed-specific movements. Students will participate in drills and activities that will improve muscular power in all movements, fundamentals of athleticism, running technique and body control, and first step explosiveness and balance. KIN-A80 and A82 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
KIN-A83 - Kickboxing Aerobics 1 unit
UC*, CSU
Prerequisite: None.
This course is designed to introduce basic fitness concepts as well as basic movement skills and exercises. Students will develop strength, flexibility, endurance, movement memory, balance, coordination, and cardiovascular fitness. Prerequisite: None.

KIN-A86 - Step Aerobics 1 unit
UC*, CSU
Prerequisite: None.
Students will develop strength, flexibility, endurance, movement memory, balance, coordination, and cardiovascular fitness with the use of the step unit in an aerobic format. This course is designed to introduce basic fitness concepts as well as basic movement skills and exercise. Prerequisite: None.

KIN-A87 - Step Aerobics, Intermediate 1 unit
UC*, CSU
Prerequisite: None. 
Advisory: KIN-A86 or proficient skills in step aerobics.
This course will broaden students’ aerobic experience using intermediate step combinations and various class formats such as circuit training and interval step. The students will be exposed to choreography that will improve their balance, coordination and memory skills. Prerequisite: None.

KIN-A88 - Step Aerobics, Advanced 1 unit
UC*, CSU
Prerequisite: None. 
Advisory: KIN-A87 or proficient skills in step aerobics.
For students who have already taken Physical Education A87, this course will broaden their aerobic experience using advanced step combinations and various class formats such as circuit training and interval step. The students will be exposed to challenging choreography, which will improve their balance, coordination, and memory skills. Prerequisite: None.

KIN-A89A - Beginning Body Sculpting 1 unit
CSU
Prerequisite: None.
Students will develop muscular strength and endurance along with flexibility using a variety of hand weights, body bars, elastic bands and exercise balls. Emphasis is placed on safety and proper technique while training basic muscle groups. Prerequisite: None.

KIN-A89B - Intermediate Body Sculpting 1 unit
CSU
Prerequisite: KIN-A89A.
Students will increase and maintain their body development through core strength, resistance and endurance training, along with body sculpting techniques. Personal fitness plans will be developed and incorporated based on personal health and fitness. Emphasis is placed on safety, core strength and major and minor muscle groups. Prerequisite: None.

KIN-A89C - Advanced Body Sculpting 1 unit
CSU
Prerequisite: KIN-A89B.
Students will develop personal and nutritional lifetime fitness goals and create a lifetime fitness plan. Muscular strength, cardiovascular endurance, flexibility and aerobic fitness will be developed and assessed. Emphasis will be placed on safety, proper body alignment and major and minor muscle groups. Prerequisite: None.

KIN-A90 - Weight Training 1 unit
UC*, CSU
Prerequisite: None.
The weight training course is designed to teach the student the basic exercises for the development of the major muscles. Emphasis is placed on muscular strength, endurance and flexibility. Prerequisite: None.

KIN-A75A - Walking for Fitness: Beginning 1 unit
Grade, or Pass/No Pass option.
Proper permit procedures, respect for the wilderness environment, hiking and backpacking in a safe and pleasurable environment. This course will provide additional experience for students to study the physiological benefits of a walking program. Students will increase and maintain their body development through cardiorespiratory endurance and body composition. KIN-A75A, A86, A87, and A88 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
KIN-A92 - Weight Training, Advanced 1 unit
UC*, CSU
Prerequisite: None.
Advisory: KIN-A90.
This weight training course is designed for those students who have an extensive background in weight lifting. Emphasis is placed on strength development, cardiovascular endurance and flexibility. KIN-A90 and A92 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

VARSITY SPORTS
Students intending to participate in a varsity sport should contact the coach of that sport before enrolling. Students are limited to 350 hours of attendance in each fiscal year for each sport for which no more than 175 hours is dedicated to the sport and no more than 175 hours is for conditioning or skill development in the sport. The varsity sports are:

KIN-V01 - Cross Country, Varsity, Men 2 units
UC*, CSU
Prerequisite: None.
Limitation on enrollment: Retention based on successful tryout.
This course is designed to serve as an opportunity for cross country runners to improve skills, knowledge and strategy of the sport of cross country. The program will consist of a highly organized program of lecture, and individual and group practice sessions to prepare students for intercollegiate competition in cross country. Repeating the course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V02 - Football, Varsity, Men 2 units
UC*, CSU
Prerequisite: None.
Limitation on enrollment: Retention based on successful tryout.
This course is designed to serve as an opportunity for football players to improve skills, knowledge and strategy of the game of football. The program will consist of a highly organized and intense setting of lecture, individual, group and team practice sessions, and video/DVD/film evaluation to prepare students for intercollegiate competition in football. Repeating the course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V04 - Basketball, Varsity, Men 2 units
UC*, CSU
Prerequisite: None.
Limitation on enrollment: Retention based on successful tryout.
This course is designed to assist advanced basketball players in improving their skills, knowledge and strategy of the game through a highly organized, intense program of activity drills, lecture and inter-squad practice leading to intercollegiate competition. Repeating this course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V05 - Baseball, Varsity, Men 2 units
UC*, CSU
Prerequisite: None.
Limitation on enrollment: Retention based on successful tryout.
This course is designed to assist advanced baseball players in improving their skills, knowledge and strategy of the game through a highly organized program of activity drills, lecture and inter-squad practice leading to intercollegiate competition. Repeating this course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V06 - Track and Field, Varsity, Men 2 units
UC*, CSU
Prerequisite: None.
Limitation on enrollment: Retention based on successful tryout.
This course is designed to serve as an opportunity for track and field competitors to improve skills, knowledge and strategy of the sport of track and field. The program will consist of a highly organized program of lecture, and individual and group practice sessions to prepare students for intercollegiate competition in track and field. Repeating the course provides the student an opportunity for a leadership role and for additional skill and competency development within the sport. May be taken a total of four times. 175 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V07 - Golf, Varsity, Men 2 units
UC*, CSU
Prerequisite: None.
Limitation on enrollment: Retention based on successful tryout.
This course will provide an opportunity for experienced golfers to improve skills, knowledge, and strategy of the game of golf. It will consist of a highly organized and intense setting of lectures, individual and team practice sessions and video/DVD/film evaluation to prepare students for intercollegiate competition in golf. Repeating this course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory. (Letter Grade, or Pass/No Pass option.)
KIN-V08 - Tennis, Varsity, Men  2 units  
UC*, CSU  
Prerequisite: None.  
Limitation on enrollment: Retention based on successful tryout.  
This course is designed to serve as an opportunity for tennis players to improve their skills, knowledge and strategy of the game of tennis. The program will consist of a highly organized and intense setting of lecture, individual, group and team practice sessions, and video/DVD/film evaluation to prepare students for intercollegiate competition in tennis. Repeating the course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V09 - Swimming and Diving, Varsity Men  2 units  
UC*, CSU  
Prerequisite: None.  
Limitation on enrollment: Retention based on successful tryout.  
This course is designed to serve as an opportunity for swimmers and divers to develop the fundamental skills and strategies along with a physical conditioning program necessary for the sport of competitive swimming and diving. It will consist of a highly organized and intense setting of lectures, individual and team practice sessions and video/DVD/film evaluation to prepare the students for intercollegiate competition in swimming and diving. Repeating this course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V10 - Soccer, Varsity Men  2 units  
UC*, CSU  
Prerequisite: None.  
Limitation on enrollment: Retention based on successful tryout.  
This course prepares the student athletes to practice and compete at the intercollegiate level in soccer. Athletes will demonstrate proficiency and knowledge of advanced principles of offensive and defensive team concepts. Student athletes will participate in a physical conditioning program designed to prepare them for intercollegiate competition in soccer. Repeating this course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V11 - Pep Squad, Varsity, Men and Women  2 units  
UC*, CSU  
Prerequisite: None.  
Limitation on enrollment: Retention based on successful tryout.  
This course is designed as an opportunity for students to advance in the skills of tumbling, jumping, dance, partner stunts and pyramids. It will consist of highly organized lectures, individual and team practice sessions, physical conditioning programs and video/DVD/film evaluation to prepare students for college activities and athletic competitions in pep squad. Repeating this course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory.

KIN-V12 - Cross Country, Varsity, Women  2 units  
UC*, CSU  
Prerequisite: None.  
Limitation on enrollment: Retention based on successful tryout.  
This course is designed to serve as an opportunity for cross country runners to improve skills, knowledge and strategy of the sport of cross country. The program will consist of a highly organized program of lecture, and individual and group practice sessions to prepare students for intercollegiate competition in cross country. Repeating the course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V14 - Track and Field, Varsity, Women  2 units  
UC*, CSU  
Prerequisite: None.  
Limitation on enrollment: Retention based on successful tryout.  
This course is designed to serve as an opportunity for track and field competitors to improve skills, knowledge and strategy of the sport of track and field. The program will consist of a highly organized program of lecture, and individual and group practice sessions to prepare students for intercollegiate competition in track and field. Repeating the course provides the student an opportunity for a leadership role and for additional skill and competency development. May be taken a total of four times. 175 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V18 - Tennis, Varsity, Women  2 units  
UC*, CSU  
Prerequisite: None.  
Limitation on enrollment: Retention is based on successful tryout.  
This course is designed to serve as an opportunity for tennis players to improve their skills, knowledge and strategy of the game of tennis. The program will consist of a highly organized and intense setting of lecture, individual, group and team practice sessions, and video/DVD/film evaluation to prepare students for intercollegiate competition in tennis. Repeating the course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V19 - Swimming and Diving, Varsity, Women  2 units  
UC*, CSU  
Prerequisite: None.  
Limitation on enrollment: Retention based on successful tryout.  
This course is designed as an opportunity for swimmers and divers to develop the fundamental skills and strategies along with a physical conditioning program necessary for the sport of competitive swimming and diving. It will consist of a highly organized and intense setting of lectures, individual and team practice sessions and video/DVD/film evaluation to prepare the students for intercollegiate competition in swimming and diving. Repeating this course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory.
KIN-V20 - Basketball, Varsity, Women  2 units  
UC*, CSU  
Prerequisite: None.  
Limitation on enrollment: Retention based on successful tryout.  
This course is designed for collegiate athletic competition in basketball including games, practice and tournaments. This program will consist of a highly organized and intense setting of lecture, individual, group, team sessions, and video/DVD/film evaluation to prepare students for intercollegiate competition in basketball. Repeating the course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V21 - Volleyball, Varsity, Women  2 units  
UC*, CSU  
Prerequisite: None.  
Limitation on enrollment: Retention based on successful tryout.  
This course is designed to serve as an opportunity for volleyball players to improve skills, knowledge and strategy of the game of volleyball. This program will consist of a highly organized lectures, individual and team practice sessions and video/DVD/film evaluation to prepare students for intercollegiate competition in volleyball. Repeating the course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V22 - Fastpitch, Varsity, Women  2 units  
UC*, CSU  
Prerequisite: None.  
Limitation on enrollment: Retention based upon successful tryout.  
This course is designed to serve as an opportunity for advanced fastpitch players to improve skills, knowledge and strategy of the game of fastpitch softball. This program will consist of highly organized lectures, individual and team practice sessions and video/DVD/film evaluation to prepare students for intercollegiate competition in fastpitch. Repeating the course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V23 - Water Polo, Varsity, Men  2 units  
UC*, CSU  
Prerequisite: None.  
Limitation on enrollment: Retention based on successful tryout.  
This course is designed to serve as an opportunity for water polo players to develop and improve fundamental skills, along with offensive and defensive skills of the game of water polo. It will consist of a highly organized and intense setting of lectures, individual and team practice sessions and video/DVD/film evaluation to prepare students for intercollegiate competition in water polo. Repeating this course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory.

KIN-V24 - Water Polo, Varsity, Women  2 units  
UC*, CSU  
Prerequisite: None.  
Limitation on enrollment: Retention based on successful tryout.  
This course is designed to serve as an opportunity for water polo players to develop and improve fundamental skills, along with offensive and defensive skills of the game of water polo. It will consist of a highly organized and intense setting of lectures, individual and team practice sessions and video/DVD/film evaluation to prepare students for intercollegiate competition in water polo. Repeating the course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory.

KIN-V25 - Soccer, Varsity, Women  2 units  
UC*, CSU  
Prerequisite: None.  
Limitation on enrollment: Retention based on successful tryout.  
This course prepares the student athlete to practice and compete at the intercollegiate level in soccer. Athletes will demonstrate proficiency and knowledge of advanced principles of offensive and defensive team concepts. Student athletes will participate in a physical conditioning program designed to prepare them for intercollegiate competition in soccer. Repeating this course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory.

KIN-V26 - Songleading and Cheerleading  2 units  
UC*, CSU  
Prerequisite: None.  
Limitation on enrollment: Retention based on successful tryout.  
This course is designed to promote the advancement of skills in conditioning, jumping, dance and cheer/song techniques demonstrated at college activities and athletic competitions. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill and competency development within each activity area. May be taken a total of four times. 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V33 - Track and Field Techniques: Running Event Techniques  1 unit  
UC*, CSU  
Prerequisite: None.  
Limitation on enrollment: Retention based on successful tryout.  
Beginning and advanced techniques and current methods of training for sprints, middle distance, distance and hurdle events are taught. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill competency development. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
KIN-V34 - Track and Field Techniques: 1 unit
Field Event Techniques
UC*, CSU
Prerequisite: None.
Limitation on enrollment: Retention based on successful tryout.
This course is designed to give students the opportunity to review or learn the basic offensive skills of baseball. These fundamentals are both individual and team oriented with the purpose of improving to the point whereby the student is able to play varsity baseball. Intrasquad and inter-school games are played in order for the student to use the learned skills in competition. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill competency development within each activity area. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V50 - Baseball Fundamentals, Defensive 1 unit
UC*, CSU
Prerequisite: None.
Limitation on enrollment: Retention based on successful tryout.
This course is designed to give students the opportunity to review or learn the basic defensive skills of baseball. These fundamentals are both individual and team oriented with the purpose of improving to the point whereby the student is able to play varsity baseball. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill competency development within each activity area. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V51 - Baseball Fundamentals, Offensive 1 unit
UC*, CSU
Prerequisite: None.
Limitation on enrollment: Retention based on successful tryout.
This course is designed to give students the opportunity to review or learn the basic offensive skills of baseball. These fundamentals are both individual and team oriented with the purpose of improving to the point whereby the student is able to play varsity baseball. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill competency development within each activity area. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V52 - Fastpitch Fundamentals, Offensive 1 unit
UC*, CSU
Prerequisite: None.
Limitation on enrollment: Retention based on successful tryout.
This course is designed to give students the opportunity to review or learn the basic offensive skills of fastpitch. These fundamentals are both individual and team orientated with the purpose of improving to the point whereby the student is able to play varsity fastpitch. Intrasquad and inter-school games are played in order for the student to use the learned skills in competition. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill competency development within each activity area. May be taken a total of four times. 54 hours laboratory.

KIN-V53 - Fastpitch Fundamentals, Defensive 1 unit
UC*, CSU
Prerequisite: None.
Limitation on enrollment: Retention based on successful tryout.
This course is designed to give students the opportunity to review or learn the basic defensive skills of fastpitch. These fundamentals are both individual and team orientated with the purpose of improving to the point whereby the student is able to play varsity fastpitch. Intr squad and inter-school games are played in order for the student to use the learned skills in competition. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill competency development within each activity area. May be taken a total of four times. 54 hours laboratory.

KIN-V60 - Football Fundamentals, Defensive 1 unit
UC*, CSU
Prerequisite: None.
Limitation on enrollment: Retention based on successful tryout.
This course provides the student an opportunity to learn general and specific individual defensive football fundamentals, techniques and strategies emphasizing active participation. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill competency development within each activity area. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V61 - Football Fundamentals, Offensive 1 unit
UC*, CSU
Prerequisite: None.
Limitation on enrollment: Retention based on successful tryout.
This course provides the student an opportunity to learn general and specific individual offensive football fundamentals, techniques and strategies emphasizing active participation. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill competency development within each activity area. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V70 - Water Polo Techniques 2 unit
UC*, CSU
Prerequisite: None.
Limitation on enrollment: Retention based on successful tryout.
This course is designed to serve as an opportunity for students to develop fundamental skills in the sport of water polo. Drills and various practice techniques will be used to develop all aspects of the game. The student will participate in an extensive physical conditioning program, which will include stretching, swimming, strength building and kicking exercises. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill and competency development within the activity area. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
KIN-V71 – Women’s Sand Volleyball 1 unit
Prerequisite: None.
Limitation on enrollment: Retention based on successful tryout.
This course prepares student athletes to practice and compete at the intercollegiate level in sand volleyball. May be taken a total of four times. 175 hours laboratory. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V78 – Long Distance Running 1 unit
UC*, CSU
Prerequisite: None.
Limitation on enrollment: Retention based on successful tryout.
This course will provide general and specific long distance running principles, conditioning methods, and race tactics involved in competitive long distance running. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill and competency development. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V92 – Weight Training, Varsity Athletes 1 unit
CSU
Prerequisite: None.
Limitation on enrollment: Retention based on successful tryout.
This weight training course is designed for varsity athletes who have an extensive background in weight lifting. Emphasis is placed on strength development, cardiovascular endurance and flexibility. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill and competency development. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V94 – In-Season Varsity Sport Conditioning 1 unit
UC*, CSU
Prerequisite: None.
Limitation on enrollment: Retention based on successful tryout.
This course is designed to teach advanced conditioning principles for the design and implementation of an in-season training program during varsity sport competition. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill and competency development. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-V95 – Out-of-Season Varsity Sport Conditioning 1 unit
UC*, CSU
Prerequisite: None.
Limitation on enrollment: Retention based on successful tryout.
This course is designed to teach advanced conditioning principles for the design and implementation of our out-of-season training programs in preparation for varsity sport competition. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill competency development. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KOREAN

KOR-1 - Korean 1 5 units
UC*, CSU
Prerequisite: None.
This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Korean at the beginning level. This course includes discussion of Korean culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KOR-2 - Korean 2 5 units
UC, CSU
Prerequisite: KOR-1.
Further development of basic skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Korean at the beginning level. This course includes an expanded discussion of Korean culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KOR-11 - Culture and Civilization 3 units
UC, CSU
Prerequisite: None.
Introductory survey of Korean culture and civilization as reflected in language, literature, art, history, politics, customs and social institutions. Class conducted in English. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

LATIN

LAT-1 - Latin 1 5 units
UC*, CSU
Prerequisite: None.
This course concentrates on developing basic skills in reading, writing, listening and pronouncing classical Latin. Emphasis is placed on vocabulary acquisition, elementary morphology and syntax, translation techniques and practice, and introduction to cultural and historical topics. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

LAT-2 - Latin 2 5 units
UC, CSU
Prerequisite: LAT-1.
This course concentrates on developing intermediate skills in reading, writing listening to and pronouncing classical Latin. Emphasis is placed on vocabulary, acquisition, basic morphology and syntax, translation techniques and practice, and introduction to culture and historical topics. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)
Liberal Arts

**LIBRARY**

**LIB-1 - Introduction to Information Literacy**  1 unit

UC, CSU

*Prerequisite: None.*

Presents the fundamentals of the effective use of libraries to find, evaluate, interpret, and organize information from a variety of formats, both online and in print, to answer research questions and develop new ones. Through the use of information retrieval systems students will develop an understanding of and practices for the legal access to and ethical use of information. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)

**MANAGEMENT**

**MAG-44 - Principles of Management**  3 units

CSU

*Prerequisite: None.*

For those who are in management, preparing for a potential promotion or interested in the management process. Includes the primary functions of planning, organizing, controlling and leading as well as related skills such as team development, motivation and communication techniques, and quality management. Also social responsibility and a global perspective are emphasized. 54 hours lecture.

**MAG-46 - Contemporary Quality Systems**  3 units

*Management*

*Prerequisite: None.*

An introduction to Quality Management principles and to their application in business, industry, and public service organizations including Deming’s 14 points, process management, ISO 9000 certification, Six Sigma efforts, Baldrige criteria and introductory statistical process control. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**MAG-47 - Applied Business and Management Ethics**  3 units

*(Same as BUS-47)*

*Prerequisite: None.*

An examination of ethical concerns in business decision making. Includes corporate, personal, global, governmental, public, environmental, product, and job-related issues. Case studies and corporate ethics programs and audits also covered. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**MAG-51 - Elements of Supervision**  3 units

*Prerequisite: None.*

Gives an overview of responsibilities of a supervisor in industry including organizational structure, training, work assignments, productivity, quality control, evaluations, and management-employee relations. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**MAG-52 - Employee Training and Development**  3 units

*Prerequisite: None.*

This course examines the forces influencing employee development through various methods such as training, strategic thinking, needs assessments, training evaluation, learning theories, e-learning and career development. 54 hours lecture.

**MAG-53 - Human Relations**  3 units

*Prerequisite: None.*

A practical application of basic psychology in building better employer/employee relationships. Examines effective human relation techniques. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**MAG-54 - Employee Labor Relations**  3 units

*Prerequisite: None.*

This course provides a framework for studying labor relations, the objective of employee relationships, industrial relations, right of labor and management, labor law, bargaining, unions, employment contracts, grievances, developing effective new processes, history of labor relations and ethics. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**MAG-56 - Human Resources Management**  3 units

*Prerequisite: None.*

Examines the manager’s responsibility for implementing human resources applications involving the selection, training, evaluation, motivation and promotion of personnel. Compares and contrasts alternatives leading to innovative and socially responsible solutions to current employee relations issues with the workplace. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**MAG-57 - Oral Communications**  3 units

*Prerequisite: None.*

Presents persuasive, expository, and extemporaneous expression applied to the business environment. Includes a practical demonstration of acquired skills in oral communication. Explores obstacles to the communication process in interpersonal and group communications. 54 hours lecture.

**MAG-60 - Introduction to Hospitality Management**  3 units

*Prerequisite: None.*

An introduction to hospitality management covering travel and tourism, resorts, clubs, casinos, lodging and food and beverage industries with consideration given to issues in environment, technology, ethics and international arena. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**MAG-62 - Restaurant and Hotel Management**  3 units

*Prerequisite: None.*

Management techniques and concepts about giving service in the restaurant and hotel industries. Course is designed to train future food service, hotel or hospitality industry executives. 54 hours lecture.
MAG-70 - Introduction to Organization Development  3 units
(Same as BUS-70)
Prerequisite: None.
Advisory: MAG-44.
This is a study of organization-wide, planned efforts to increase organizational effectiveness using planned interventions by managers. Multiple intervention techniques, such as diagnostic activities, team building, process consulting, coaching and goal setting are covered. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

MAG-71 - Introduction to Productivity Management  3 units
(Same as BUS-71)
Prerequisite: None.
Advisory: MAG-44 and 70.
An introduction to the techniques used to determine, analyze and improve the systems of creating wealth by supplying quality goods and services to consumers. Includes selecting technologies, managing facilities and people, and integrating cross-functional departments into effective work units. 54 hours lecture.

MAG-72 - Introduction to Quantitative Methods  3 units
for Business
(Same as BUS-72)
Prerequisite: None.
Advisory: BUS-20 and MAG-70.
An introduction to the techniques used to analyze business decisions using facts and data. An application of statistical techniques for non-mathematicians for making effective business decisions. 54 hours lecture.

MAG-200 - Management Work Experience  1-2-3-4 units
CSU*
Prerequisite: None.
Advisory: Students should have paid or voluntary employment.
This course is designed to coordinate the student's occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

MARKETING

MKT-20 - Principles of Marketing  3 units
CSU
Prerequisite: None.
Advisory: BUS-10.
Examines the role of marketing as it relates to society and economic development. The course will analyze products, consumer, marketing research, and strategic market planning. The course will survey, with a global perspective, the selection of target markets as well as the development of the marketing mix - place, product, price and promotion. 54 hours lecture.

MKT-30 - Fashion Merchandising  3 units
CSU
Prerequisite: None.
An in-depth study of the fashion merchandising field; emphasis on development and growth of fashion merchandising. Retail and vendor methods of operation and distribution; the influence of promotion, advertising, and publicity on consumer demand. Examination of current trends. Career opportunities that exist in the fashion field. 54 hours lecture.

MKT-40 - Advertising  3 units
CSU
Prerequisite: None.
Economic, professional, persuasive and technical aspects of advertising, publicity and propaganda, and their relation to sociology and psychology. Campaign organization, research, and media of communication. Analysis and discussion of situation problems, mass motivation, consumer action and legal restraints. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

MKT-41 - Techniques of Selling  3 units
CSU
Prerequisite: None.
Examines the key topics of how to locate, qualify and approach prospects; how to deliver the sales presentation, how to meet objections and how to close the sale. The analysis of behavioral, ethical and philosophical factors as applied to the selling function globally. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

MKT-42 - Retail Management  3 units
CSU
Prerequisite: None.
Merchandising analysis of the changing concepts and business objectives of retailing. Management philosophies, strategies, and functions (from individual to multi-unit firms). Social and economic forces on decisions concerning location and operational policies. Analysis of forms of retailing, such as foods, motels, service stations, and direct channels. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
MKT-50 - Marketing Research 3 units
CSU
Prerequisite: None.
An introduction to various research methodologies useful in the marketing environment. This course will focus on development, execution and application of marketing research, pulling it all together with completion of a marketing research project. 54 hours lecture.

MKT-200 - Marketing Work Experience 1-2-3-4 units
CSU*
Prerequisite: None.
Advisory: Students should have paid or voluntary employment.
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WXX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

MATHEMATICS

MAT-1A - Calculus I 4 units
UC*, CSU (C-ID MATH 210) (C-ID MATH 900S=MAT-1A + MAT-1B)
Prerequisite: MAT-10 or qualifying placement level.
Functions, limits, continuity, differentiation, applications of the derivative and integration, the fundamental theorem of calculus and basic integration. 72 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

MAT-1B - Calculus II 4 units
UC, CSU (C-ID MATH 220) (C-ID MATH 900S=MAT-1A + MAT-1B)
Prerequisite: MAT-1A.
Techniques of integration, applications of integration, improper integrals, infinite sequences and series, parametric equations, and polar coordinates. 72 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

MAT-1C - Calculus III 4 units
UC, CSU (C-ID MATH 230)
Prerequisite: MAT-1B.
Vectors in a plane and in space, vector functions, calculus on functions of multiple variables, partial derivatives, multiple integrals, line and surface integrals, Green’s theorem, Stokes’ theorem, Divergence theorem, and elementary applications to the physical and life sciences. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

MAT-2 - Differential Equations 4 units
UC, CSU (C-ID MATH 240)
Prerequisite: MAT-1B.
This is a course in differential equations including both quantitative and qualitative methods as well as applications from a variety of disciplines. Introduces the theoretical aspects of differential equations, including establishing when solution(s) exists, and techniques for obtaining solutions, including linear first and second order differential equations, series solutions, Laplace transforms, linear systems, and elementary applications to the physical and biological sciences. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

MAT-3 - Linear Algebra 3 units
UC, CSU (C-ID MATH 250)
Prerequisite: MAT-1B.
This course examines elementary vector space concepts and geometric interpretations and develops the techniques and theory to solve and classify systems of linear equations. Solution techniques include Gaussian and Gauss-Jordan elimination, Cramer's rule and inverse matrices. Investigates the properties of vectors in two, three and finite dimensions, leading to the notion of an abstract vector space. Vector space and matrix theory are presented including topics such as determinants, linear independence, bases and dimension of a vector space, linear transformation and their matrix representations, inner products, norms, orthogonality, eigenvalues, eigenvectors, and eigenspaces. Selected applications of linear algebra are included. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

MAT-4 - Finite Mathematics 3 units
UC, CSU (C-ID MATH 130)
Prerequisite: MAT-35.
Linear functions, systems of linear equations and inequalities, linear programming, matrices, sets and Venn diagrams, combinatorics, probability, and the mathematics of finance. Applications in business, economics, and social sciences. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

MAT-5 - Calculus for Business and Life Science 4 units
UC*, CSU
Prerequisite: MAT-35 or qualifying placement level.
A study of the techniques of calculus for majors in business, business administration, life and social sciences. Emphasis on problem solving and applications. Topics include: functions, graphs, limits, derivatives, integrals, exponential and logarithmic functions. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

MAT-6 - Discrete Mathematics for Computer Science 3 units
(= Same as CSC-6)
UC, CSU
Prerequisite: MAT-10.
Advisory: CIS/CSC-5.
Fundamental topics for Computer Science, such as logic, proof techniques, sets, basic counting rules, relations, functions and recursion, graphs and trees. 54 hours lecture.
MAT-10 - Precalculus 4 units
UC*, CSU (C-ID MATH 155)
Prerequisite: MAT-36 or qualifying placement level.
Preparation for calculus: polynomial, absolute value, radical, rational, exponential, logarithmic, and trigonometric functions, and their graphs; analytic geometry, polar coordinates, sequences, and series. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

MAT-11 - College Algebra 4 units
UC*, CSU
Prerequisite: MAT-35 or qualifying placement level.
This course is intended for students majoring in Liberal Arts and Humanities. The topics covered in this course include polynomial, radical, rational, absolute value, exponential and logarithmic functions; systems of equations; polynomial equations; permutations and combinations; analytic geometry; and linear programming. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

MAT-12 - Statistics 4 units
UC, CSU (C-ID SOCI 125)(C-ID MATH 110)
Prerequisite: MAT-35 or qualifying placement level.
A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. Students may not receive credit for both MAT-12 and MAT-12H. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

MAT-12H - Honors Statistics 4 units
UC, CSU (C-ID MATH 110)
Prerequisite: MAT-35 or qualifying placement level.
Limitation on enrollment: Enrollment in the Honors Program.
A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. Honors course offers an enriched experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher-level critical thinking skills. Students may not receive credit for both MAT-12 and MAT-12H. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

MAT-25 - Mathematics for the Liberal Arts Student 3 units
UC, CSU
Prerequisite: MAT-35 or qualifying placement level.
A college-level survey course of selected topics from the history and development of mathematics, patterns and inductive reasoning, set theory and deductive reasoning, the real number system, algebra, geometry, probability, statistics, and problem solving. It is designed for students majoring in liberal arts, education, or communication. Calculators or computers may be used for selected topics. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

MAT-26 - Math for Elementary School Teachers 3 units
CSU
Prerequisite: MAT-35 or qualifying placement level.
This course is designed for pre-service elementary school teachers. The course will examine five content areas: numeration; number theory; properties of numbers; problem solving; and curriculum standards. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

MAT-35 - Intermediate Algebra 5 units
Prerequisite: MAT-35 or qualifying placement level.
The concepts introduced in beginning algebra are presented again, but in greater depth. In addition to the basic operations, logarithms, exponential equations, systems of linear and nonlinear equations, Cramer’s Rule, the Binomial Theorem, the complex number system, and sequences and series are included. 90 hours lecture. (Letter Grade or Pass/No Pass option)

MAT-36 - Trigonometry 4 units
CSU
Prerequisite: MAT-35 and 53 or qualifying placement level.
The study of trigonometric functions, their inverses and their graphs; identities and proofs related to trigonometric expressions; solving trigonometric equations; solving right triangles; solving oblique triangles using the Law of Cosines and the Law of Sines; elements of geometry important to the foundation of trigonometry; polar coordinates; and introduction to vectors. 72 hours lecture. (Letter Grade or Pass/No Pass option)

MAT-37 - Algebra for Statistics 6 units
Prerequisite: None.
This is an accelerated course that prepares students for transfer-level Statistics. Topics include ratios, rates, and proportional reasoning, arithmetic reasoning using fractions, decimals and percents, evaluating expressions, analyzing algebraic forms to understand statistical measures, functions, use of linear and exponential functions to model bivariate data, use of logarithms, logarithmic scales and semi-log plots, graphical and numerical descriptive statistics for quantitative and categorical data. This course is designed for students who do not plan to major in math, science, computer science, or engineering. 90 hours lecture and 54 hours laboratory. (Non-degree credit course. Letter Grade, or Pass/No Pass option.)
MAT-52 - Elementary Algebra 4 units
Prerequisite: MAT-64 (formerly MAT-50), 65, 90F or qualifying placement level.
Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter Grade, or Pass/No Pass option.)

MAT-53 - College Geometry 3 units
Prerequisite: MAT-52 or qualifying placement level.
A course covering the study of plane geometry and three-dimensional figures. These topics include angles, triangles, quadrilaterals, circles and solids, their formulas for measuring such figures, including perimeter, area and volume. Students create proofs of geometric concepts using postulates and theorems associated with geometric objects and their characteristics. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

MAT-63 - Arithmetic 3 units
Prerequisite: None.
A course covering the decimal system of numeration and the four basic mathematical operations as they apply to whole numbers, fractions, mixed numbers, and decimals. Factoring, percentage applications, geometric figures, and measurements are included. Emphasis is placed on applications to real world problems. Computations will be performed without the use of any calculating device. 54 hours lecture. (Non-degree credit course. Letter Grade, or Pass/No Pass option.)

MAT-64 - Pre-Algebra 3 units
Prerequisite: MAT-63 (formerly MAT-51), 90C, or qualifying placement level.
An introduction to the notion of algebra and its uses. Includes integers, equations, and polynomials as well as topics from arithmetic. Designed as a transition from arithmetic to elementary algebra. 54 hours lecture. (Non-degree credit course. Letter Grade, or Pass/No Pass option.)

MAT-65 - Arithmetic and Pre-Algebra 5 units
Prerequisite: None.
A combination course covering the decimal system of numeration and the four basic mathematical operations as they apply to whole numbers, fractions, mixed numbers, and decimals without the use of any calculating device. Integers, factoring, geometric figures, and measurements are included. Emphasis is placed on applications to real world problems. An introduction to the notion of algebra and its uses. Includes equations and polynomials. 90 hours lecture. (Non-degree credit course. Letter Grade, or Pass/No Pass option.)

MAT-90A - Special Topics in Arithmetic: Whole Numbers and Introduction to Fractions 1 unit
Prerequisite: None.
A course covering the four basic mathematical operations as they apply to whole numbers with an introduction to fractions. Emphasis is placed on applications to real world problems. Computations will be performed without the use of any calculating device. 18 hours lecture. (Non-degree credit course. Pass/No Pass only.)

MAT-90B - Special Topics in Arithmetic: Fractions and Introduction to Decimals 1 unit
Prerequisite: MAT-90A.
A course covering the four basic mathematical operations as they apply to fractions with an introduction to decimals. Emphasis is placed on applications to real world problems. Computations will be performed without the use of any calculating device. 18 hours lecture. (Non-degree credit course. Pass/No Pass only.)

MAT-90C - Special Topics in Arithmetic: Decimals 1 unit
Prerequisite: MAT-90B.
A course covering the four basic mathematical operations as they apply to decimals. Emphasis is placed on applications to real world problems. Computations will be performed without the use of any calculating device. 18 hours lecture. (Non-degree credit course. Pass/No Pass only.)

MAT-90D - Rational Numbers and Introduction to Variables 1 unit
Prerequisite: MAT-90C.
A course covering the four basic mathematical operations as they apply to rational numbers with an introduction to variables. Emphasis is placed on applications to real world problems. 18 hours lecture. (Non-degree credit course. Pass/No Pass only.)

MAT-90E - Special Topics in Pre-Algebra: Real Numbers and an Introduction to Algebra 1 unit
Prerequisite: MAT-90D.
A course covering the four basic mathematical operations as they apply to real numbers and an introduction to algebraic expressions. Emphasis is placed on applications to real world problems. 18 hours lecture. (Non-degree credit course. Pass/No Pass only.)

MAT-90F - Special Topics in Pre-Algebra: Algebraic Expressions and Equations 1 unit
Prerequisite: MAT-90E.
A course covering the addition, subtraction, multiplication, and factoring of polynomials as well as simplification of basic algebraic expressions. Emphasis is placed on applications to real world problems. 18 hours lecture. (Non-degree credit course. Pass/No Pass only.)
MAT-98 - Academic Excellence Seminar .5 unit
Prerequisite: None.
Limitation on enrollment: Concurrent enrollment in First-Year Experience program.
Interactive seminar designed to enhance students' learning skills and experience in mathematics. 27 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

MICROBIOLOGY

MIC-1 - Microbiology 4 units
UC, CSU
Prerequisite: CHE-2A or 3 and one of the following: AMY-2A, BIO-1, 1H, or 11.
General characteristics of microorganisms with emphasis on morphology, growth, control, metabolism and reproduction; their role in disease, body defenses, and application to the biomedical field. 54 hours lecture and 54 hours laboratory.

MILITARY SCIENCE

The Army Reserve Officers Training Corps (AROTC) makes available the first two years of its program to qualified Riverside Community College District students through the Claremont Colleges, with classes taught at Claremont, California State University at San Bernardino, and/or at Riverside Community College District. Credit towards an A.A. degree will be granted by RCCD for these courses. There are no charges to the students for these first two years. Students will have the opportunity to compete for Army scholarships. Information on the Army ROTC program is available from the Claremont Colleges: (909) 624-7965.

MIL-1 - Military History of the United States 3 units to 1900 (Same as HIS-11)
UC, CSU
Prerequisite: None.
An examination of the evolution of American military and naval practices and institutions as they have developed through the major wars involving the United States up to 1900. The roles of leadership and technology and their impact upon the art of war will also be discussed. 54 hours lecture.

MIL-2 - Military History of the United States since 1900 3 units (Same as HIS-12)
UC, CSU
Prerequisite: None.
An examination of the evolution of American military and naval practices and institutions as they have developed through major wars of the twentieth century, with emphasis upon two world wars. The roles of leadership and technology and their impact upon the art of war will also be discussed. 54 hours lecture.

MUSIC

MUS-1 - Teaching Music to Young Children 3 units
CSU
Prerequisite: None.
Instruction in teaching music to young children. Emphasis will be on music for early childhood ages 3 - 8. Musical elements and theory will be introduced through activities appropriate for children. 54 hours lecture.

MUS-3 - Fundamentals of Music 4 units
UC, CSU (C-ID MUS 110)
Prerequisite: None.
Advisory: Concurrent enrollment in an appropriate level piano class.
Basic course in music theory designed to develop an understanding of notation, rhythm, pitch, keys, modes, scales, intervals, chords and music terminology. Basic sight singing, dictation and music reading at the piano. 54 hours lecture and 54 hours laboratory.

MUS-4 - Music Theory I 4 units
UC, CSU
Prerequisite: MUS-3 or the equivalent.
Advisory: Concurrent enrollment in an appropriate level piano class.
Through guided composition and analysis this course incorporates the following concepts: rhythm and meter, basic properties of sound, intervals, diatonic scales and triads, diatonic chords, basic cadential formulas and phrase structures, figured bass, non-harmonic tones, first species counterpoint, and voice leading involving 4-part chorale writing. Development of skills in handwritten notation is expected. Lab includes diatonic sight singing and ear training including melodic, harmonic and rhythmic dictation. Keyboard requirements include playing chord progressions, modes, and scales in all major and minor keys. 54 hours lecture and 54 hours laboratory.

MUS-5 - Music Theory II 4 units
UC, CSU (C-ID MUS 140)
Prerequisite: MUS-4 or the equivalent.
Advisory: Concurrent enrollment in an appropriate level piano course.
This course incorporates the concepts from Music Theory I. In addition, through guided composition and analysis, the course will include: Common Practice period voice leading involving four-part chorale writing; diatonic harmony; chromatic harmony; secondary/applied chords; modulation; borrowed chords; the Neapolitan chord; augmented sixth chords; and an introduction to binary and ternary forms. Lab includes chromatic sight singing and ear training including melodic, harmonic and rhythmic dictation. Keyboard requirements include playing chromatic chord progressions. 54 hours lecture and 54 hours laboratory.
MUS-6 - Music Theory III 4 units
UC, CSU (C-ID MUS 150)
Prerequisite: MUS-5 or the equivalent.
Advisory: Concurrent enrollment in an appropriate level piano course.
This course incorporates the concepts from Music Theory II. In addition, through writing and analysis, the course will include Common Practice period and 20th Century techniques such as: Borrowed chords and modal mixture; chromatic mediant; Neapolitan and augmented sixth chords; 9th, 11th and 13th chords; extended tetric harmony; polyphony; quartal and secundal harmony; pandiatonicism; serialism; and aleatoric music. Lab includes post-Romantic and post-tonal sight singing and ear training including melodic, harmonic and rhythmic dictation. Keyboard requirements include playing post-Romantic and post-tonal materials. 54 hours lecture and 54 hours laboratory.

MUS-8A - Music Technology I 3 units
CSU
Prerequisite: None.
This course is an introduction to recording, editing, mixing and mastering MIDI and digital audio using a computer-based MIDI/Digital Audio Workstation. Students who complete the course are eligible to take the Pro Tools 101 exam which is the first step towards Pro Tools User certification. 36 hours lecture and 54 hours laboratory.

MUS-8B - Music Technology II 3 units
CSU
Prerequisite: MUS-8A or FTV-73.
This course is a continuation of concepts introduced in Music Technology I, including advanced techniques for recording, editing, mixing and mastering MIDI and digital audio using a computer-based MIDI/Digital Audio Workstation. Students who complete the course are eligible to take both the Pro Tools 110 exam and the Pro Tools Certified User exam to earn official Pro Tools User certification. 36 hours lecture and 54 hours laboratory.

MUS-9 - MIDI/Digital Audio Composition and Film Scoring 3 units
CSU
Prerequisite: MUS-8B.
This course provides practical experience in creating original music compositions and film scores using a computer-based MIDI/Digital Audio Workstation. 36 hours lecture and 54 hours laboratory.

MUS-10 - MIDI/Digital Audio Music Production 3 units
CSU
Prerequisite: MUS-8B.
This course provides practical experience in recording, editing, mixing and mastering music using a computer-based MIDI/Digital Audio Workstation. 36 hours lecture and 54 hours laboratory.

The following is a list of the classes that qualify for the “two unit performance class” corequisite requirement for MUS-12, 39, 79 and P12:

- MUS-28 Riverside Community Symphony
- MUS-33 Vocal Jazz Ensemble
- MUS-41 Chamber Singers
- MUS-42 Wind Ensemble
- MUS-44 Jazz Ensemble
- MUS-48 Marching Band
- MUS-68 Community Symphony
- MUS-73 Vocal Jazz Ensemble
- MUS-77 Guitar Ensemble
- MUS-81 Consort Singers
- MUS-82 Wind Symphony
- MUS-84 Jazz Orchestra
- MUS-88 Pageantry Ensemble
- MUS-P28 Symphony Strings
- MUS-P77 Advanced Guitar Ensemble
- THE-37 Musical Theater Techniques

MUS-12 - Applied Piano II 3 units
UC, CSU
Prerequisite: None.
Corequisite: MUS-P36 or a two-unit performance class.
Limitation on enrollment: Audition on or before the first class meeting.
Advanced individual piano instruction for students preparing to audition, transfer or who wish to perform in a recital or study at an advanced level. Each student must complete a minimum of 10.125 hours per week in a combination of individualized practice, lessons, concert attendance and individual performance. Enrollment in subsequent semesters ensures uninterrupted study for students preparing to transfer as music majors. May be taken a total of four times. 162 hours laboratory.

MUS-19 - Music Appreciation 3 units
UC, CSU (C-ID MUS 100)
Prerequisite: None.
A broad survey of music in the Western world, including terminology for describing musical elements, forms, and styles. Organized to acquaint students with the roles of music and musicians in society and with representative musical selections through listening, reading, writing, and live performance. 54 hours lecture.

MUS-20 - Great Composers and Music Masterpieces before 1820 3 units
UC, CSU
Prerequisite: None.
Advisory: ENG-1A or IAH.
Emphasis on biography, history, and masterpieces of classical in European music from its inception to 1820 with an emphasis on writing about music and research. The content focuses on writing about great composers and listening to their music in the historical context from the Medieval, Renaissance, Baroque and Classic periods. 54 hours lecture.
MUS-21 - Great Composers and Music Masterpieces  3 units
After 1820
UC, CSU
Prerequisite: None.
Advisory: ENG-1A or 1AH.
Emphasis on biography, history, and masterpieces of classical music from 1820 to the present with an emphasis on writing about music and research. The content focuses on writing about great composers and listening to their music in the historical context, from Beethoven through the 21st century. Begins with Beethoven’s late period and continues with European traditions throughout the 19th century. Music in the Americas and in Europe is included in the study of the 20th and 21st centuries. 54 hours lecture.

MUS-22 - Survey of Music Literature  3 units
UC, CSU
Prerequisite: MUS-3.
Survey of the major style periods and composers in the history of Western Music including the study and analysis of musical scores. Designed as a survey of music literature for students who have a working knowledge of musical notation and can follow open score and analyze the motives, themes, harmony and form of composition. 54 hours lecture.

MUS-23 - History of Rock and Roll  3 units
UC, CSU
Prerequisite: None.
A comprehensive study of rock and roll music from its origins to the present with emphasis on the historical, musical, and sociological influences. Study includes listening to music and identifying stylistic trends and influential artists. 54 hours lecture.

MUS-25 - Jazz Appreciation  3 units
UC, CSU
Prerequisite: None.
A comprehensive study of jazz from its origins to the present day. Study will be centered on influential composers, instrumentalists, vocalists and arrangers. There will also be an introduction to and study of musical elements such as instrumentation, lyrics, form, rhythm and harmony. 54 hours lecture.

MUS-26 - Film Music Appreciation  3 units
UC, CSU
Prerequisite: None.
A study of film music in the United States from 1927 to the present day. Study will be centered on originally composed scores by prominent composers and arrangers. 54 hours lecture.

MUS-27 - Amadeus Chamber Ensemble  1 unit
UC, CSU (C-ID MUS 180)
Prerequisite: None.
Limitation on enrollment: Previous instrumental experience. Audition on or before the first class meeting.
A course in developing individual skills through ensemble performance. Music selections will contribute to the development of the student’s performance skills. The ensemble will perform a limited number of concerts throughout the semester. Subsequent enrollment in additional semesters will provide the student an opportunity for additional skill and competency development within the subject matter. May be taken a total of four times. 54 hours laboratory.

MUS-28 - Riverside Community Symphony  2 units
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
This course is for the study, rehearsal, and public performance of symphony orchestra literature, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. Participation in public performances is required. May be taken a total of four times. 108 hours laboratory.

MUS-29 - Concert Choir  1 unit
UC, CSU (C-ID MUS 180)
Prerequisite: None.
Limitation on enrollment: Audition on or before the first day of class.
This course is for the study, rehearsal, and public performance of choral literature, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. Participation in public performances is required. May be taken a total of four times. 54 hours laboratory.

MUS-30 - Class Voice  1 unit
UC, CSU
Prerequisite: None.
Group study of vocal production, voice techniques, diction and interpretation. 54 hours laboratory.
MUS-31 - College Choir  
UC, CSU (C-ID MUS 180)  
Prerequisite: None.  
Limitation on enrollment: Audition on or before the first class meeting.  
A vocal ensemble of mixed voices dedicated to the study, rehearsal and performance of a variety of choral literature. May be taken a total of four times. 54 hours laboratory.

MUS-32A, B, C, and D are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII of the catalog regarding course repeatability and repetition.

MUS-32A - Class Piano I  
UC, CSU  
Prerequisite: None.  
This beginning course focuses on developing the skills needed for performing on piano, including reading from music notation, rhythm study, technique, expression, improvisation, transposition, repertoire and style study. 54 hours laboratory.

MUS-32B - Class Piano II  
UC, CSU  
Prerequisite: MUS-32A or the equivalent.  
Continuation of the skills studied in MUS-32A focusing on techniques needed for performing on piano, including playing select major and parallel minor scales, reading music on the grand staff, tapping rhythms, harmonizing melodies using simple accompaniments, transposing, and simple score reading. 54 hours laboratory.

MUS-32C - Class Piano III  
UC, CSU  
Prerequisite: MUS-32B or the equivalent.  
Continuation of the skills studied in MUS-32B focusing on keyboard techniques required for playing major and minor scales, diatonic chord progressions, harmonizing melodies, transposing, accompanying, score reading, reading chord symbols, sight reading and performance of intermediate-level piano learning pieces. 54 hours laboratory.

MUS-32D - Class Piano IV  
UC, CSU  
Prerequisite: MUS-32C or the equivalent.  
Culmination of keyboard skills previously studied focusing on increasing keyboard facility for playing major and minor scales and arpeggios, diatonic chord progressions, harmonizing melodies, modulating, transposing, accompanying, simple score reading, sight reading and performance of piano pieces from the standard classical piano teaching literature. 54 hours laboratory.

MUS-33 - Vocal Jazz Lab  
UC, CSU (C-ID MUS 180)  
Prerequisite: None.  
Corequisite: Concurrent enrollment in MUS-33 or 73.  
Limitation on enrollment: Audition on or before the first class meeting.  
A course for select vocal students dedicated to the study, rehearsal and public performance of vocal jazz literature, with an emphasis on the development of skills needed to perform within an ensemble. May be taken a total of four times. 108 hours laboratory.

MUS-34 - Vocal Jazz Ensemble  
UC, CSU (C-ID MUS 180)  
Prerequisite: None.  
Limitation on enrollment: Audition on or before the first class meeting.  
This course is for the study, rehearsal, and public performance of vocal jazz literature, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. Participation in public performances is required. May be taken a total of four times. 54 hours laboratory.

MUS-35 - Vocal Music Ensembles  
UC, CSU (C-ID MUS 180)  
Prerequisite: None.  
Limitation on enrollment: Audition on or before the first class meeting.  
This course is for the study, rehearsal, and public performance of baroque and classical vocal literature, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. Participation in public performances is required. May be taken a total of four times. 54 hours laboratory.

MUS-36 - Instrumental Chamber Ensembles  
UC, CSU  
Prerequisite: None.  
Limitation on enrollment: Audition on or before the first class meeting.  
This course is for the study, rehearsal, and public performance of instrumental chamber ensemble literature, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. Participation in public performances is required. May be taken a total of four times. 81 hours laboratory.

MUS-37 - Class Guitar  
UC, CSU  
Prerequisite: None.  
Fundamentals of guitar performance and basic musicianship. Introduction to music notation, basic guitar technique and development of basic repertoire. 17 hours lecture and 32 hours laboratory.
MUS-38 - Beginning Applied Music I 2 units
UC, CSU (C-ID MUS 160)
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
Vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Each student must complete a minimum of 6.75 hours a week in a combination of individualized practice, lessons and concert attendance. Not designed for beginning students. May be taken a total of four times. 108 hours laboratory.

MUS-39 - Applied Music I 3 units
UC, CSU
Prerequisite: None.
Corequisite: Enrollment in a two-unit performance class.
Limitation on enrollment: Audition on or before the first class meeting.
Vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Each student must complete 10.125 hours per week in a combination of individualized practice, lessons, concert attendance and individual performance. Not designed for beginning students. May be taken a total of four times. 162 hours laboratory.

MUS-40 - Class Percussion 1 unit
UC, CSU
Prerequisite: None.
Group study of percussion techniques and basic musicianship with an introduction to percussion instruments. 54 hours laboratory.

MUS-41 - Chamber Singers 2 units
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
This course is for the study, rehearsal, and public performance of literature for vocal chamber ensemble, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. Participation in public performances is required. May be taken a total of four times. 108 hours laboratory.

MUS-42 - Wind Ensemble 2 units
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
This course is for the study, rehearsal, and public performance of wind ensemble literature, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. Participation in public performances is required. May be taken a total of four times. 108 hours laboratory.

MUS-43A - Jazz Improvisation and Theory I 1 unit
UC, CSU
Prerequisite: None.
This beginning course focuses on basic jazz improvisation skills and theory. Instruction is delivered within a jazz combo setting. 54 hours laboratory.

MUS-43B - Jazz Improvisation and Theory II 1 unit
UC, CSU
Prerequisite: MUS-43A.
This intermediate course further develops the skills introduced in MUS-43A, focusing on intermediate jazz improvisation skills and theory. Instruction is delivered within a jazz combo setting. 54 hours laboratory.

MUS-43C - Jazz Improvisation and Theory III 1 unit
UC, CSU
Prerequisite: MUS-43B.
This advanced course further develops the skills introduced in MUS-43B, focusing on advanced jazz improvisation skills and theory. Instruction is delivered within a jazz combo setting. 54 hours laboratory.

MUS-44 - Jazz Ensemble 2 units
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
This course is for the study, rehearsal, and public performance of literature written for instrumental jazz ensemble, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. Participation in public performances is required. May be taken a total of four times. 108 hours laboratory.

MUS-45 - Marching Band Woodwind Methods 1 unit
UC, CSU
Prerequisite: None.
Corequisite: Concurrent enrollment in MUS-48.
Limitation on enrollment: Basic instrumental skills on a woodwind instrument.
Performance on a woodwind instrument as part of the Marching Band program. Playing and marching skills emphasized. May be taken a total of four times. 54 hours laboratory.
MUS-46 - Marching Band Brass Methods 1 unit
UC, CSU
Prerequisite: None.
Corequisite: Concurrent enrollment in MUS-48.
Limitation on enrollment: Basic instrumental skills on a brass instrument.
Performance on a brass instrument, as part of the Marching Band program. Playing and marching skills emphasized. May be taken a total of four times. 54 hours laboratory.

MUS-47 - Marching Band Percussion Methods 1 unit
UC, CSU
Prerequisite: None.
Corequisite: Concurrent enrollment in MUS-48.
Limitation on enrollment: Basic instrumental skills on a percussion instrument.
Performance on a percussion instrument as part of the Marching Band program. Playing and marching skills emphasized. Appearances at college functions are made throughout the year. Subsequent enrollment in additional semesters will provide the student an opportunity for additional skill and competency development within the subject matter. May be taken a total of four times. 54 hours laboratory.

MUS-48 - Marching Band 2 units
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
This course is for the study, rehearsal, and public performance of literature for marching band, with an emphasis on the development of skills needed to perform within a marching band. Different literature will be studied each semester. Participation in public performances is required. May be taken a total of four times. 108 hours laboratory.

MUS-49 - Percussion Ensemble 1 unit
UC, CSU
Prerequisite: None.
Limitation on enrollment: Performance tryout or audition.
Advisory: Concurrent enrollment in MUS-42 or 48.
Designed to give students practical experience in performing music written and arranged for percussion ensemble, often referred to as “Winter drum line.” Emphasis is on group participation and public performances. Subsequent enrollment will provide the student an opportunity for additional skill and competency development within the subject matter. May be taken a total of four times. 54 hours laboratory.

MUS-50 - Master Chorale 1 unit
UC, CSU (C-ID MUS 180)
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
This course is for the study, rehearsal, and public performance of choral literature, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. Participation in public performances is required. May be taken a total of four times. 54 hours laboratory.

MUS-51 - Men’s Ensemble 1 unit
UC, CSU (C-ID MUS 180)
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
A select choir dedicated to the study, rehearsal and public performance of a variety of men’s ensemble literature. May be taken a total of four times. 54 hours laboratory.

MUS-52 - Recital Performance .5 unit
UC, CSU
Corequisite: Concurrent enrollment in or prior completion of MUS-39 or MUS-P12.
Limitation on enrollment: High competence in a performance medium.
Preparation and presentation of a recital performance of 20-25 minutes. 27 hours laboratory.

MUS-53 - Keyboard Proficiency 1 unit
UC, CSU
Prerequisite: MUS-32D or the equivalent.
Preparation for the keyboard proficiency examinations required of entering music majors and minors at transfer institutions. Designed for students with extensive prior piano experience. 54 hours laboratory.

MUS-54 - Community Jazz Ensemble .5 unit
UC, CSU
Prerequisite: None.
Limitation on enrollment: Previous experience in performance of jazz literature and audition on or before the first class meeting.
Study and performance of standard jazz ensemble literature. Appearances at college and community functions are made each semester. Subsequent enrollment will provide additional skill and competency development within the subject matter. May be taken a total of four times. 27 hours laboratory.

MUS-55 - Community Concert Band 1 unit
UC, CSU (C-ID MUS 180)
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
This course is for the study, rehearsal, and public performance of concert band literature, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. Participation in public performances is required. May be taken a total of four times. 54 hours laboratory.
MUS-56 - Summer Concert Band  .5 unit
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting. Ability to sightread and perform music on either a wind or percussion instrument.
Study and performance of standard concert band literature. Appearances at college and community functions may be made. Subsequent enrollment will provide the student an opportunity for additional skill and competency development within the subject matter. May be taken a total of four times. 54 hours laboratory.

MUS-57 - Gospel Singers  1 unit
UC, CSU (C-ID MUS 180)
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
A mixed voices chorus for the study, rehearsal, and public performances of anthems, spirituals, and gospel music (traditional/contemporary). Emphasis is on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. This course is repeatable for credit the maximum times allowable by regulation. 54 hours laboratory.

MUS-58 - Gospel Choir  1 unit
UC, CSU (C-ID MUS 180)
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
A choir of mixed voices dedicated to the further study, rehearsal and public performance of anthems, spirituals and African-American gospel (traditional/contemporary) music. May be taken a total of four times. 54 hours laboratory.

MUS-59 - Winter Marching Band Clinic  1 unit
CSU
Prerequisite: None.
Limitation on enrollment: Basic skills on a band instrument and/or color guard equipment.
Group performance on a band instrument and/or color guard equipment as part of a winter intersession Marching Band program. Playing and marching skills emphasized. May be taken a total of four times. 54 hours laboratory.

MUS-60 - Summer Marching Band Clinic  1 unit
CSU
Prerequisite: None.
Limitation on enrollment: Basic instrumental skills on band instrument.
Developmental program in fundamental marching band techniques. This course will emphasize the coordination of the physical and mental requirements of field performance. Subsequent enrollment will provide the student an opportunity for additional skill and competency development within the subject matter. May be taken a total of four times. 54 hours laboratory.

MUS-61 - Auxiliary Marching Units  2 units
CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
Rehearsal and performance of rifle, flag and dance units auxiliary to the Marching Band. Subsequent enrollment will provide the student an opportunity for additional skill and competency development within the subject matter. May be taken a total of four times. 108 hours laboratory.

MUS-62 - Woodwind Techniques for Marching Band  1 unit
CSU
Prerequisite: None.
Corequisite: Concurrent enrollment in MUS-46.
Limitation on enrollment: Basic instrumental skills on a woodwind instrument.
Group performance on a woodwind instrument as part of the Marching Band program. Playing and marching skills emphasized. May be taken a total of four times. 54 hours laboratory.

MUS-63 - Brass Techniques for Marching Band  1 unit
CSU
Prerequisite: MUS-46.
Corequisite: Concurrent enrollment in MUS-48.
Limitation on enrollment: Basic instrumental skills on a brass instrument.
Advanced skill development in a group performance on a brass instrument as part of the Marching Band program. Playing and marching skills emphasized. May be taken a total of four times. 54 hours laboratory.

MUS-64 - Percussion Techniques for Marching Band  1 unit
CSU
Prerequisite: MUS-47.
Corequisite: Concurrent enrollment in MUS-48.
Limitation on enrollment: Basic instrumental skills on a percussion instrument.
Advanced skill development in a group performance on a percussion instrument as part of the Marching Band program. Playing and marching skills emphasized. May be taken a total of four times. 54 hours laboratory.

MUS-65 - Basic Musicianship  2 units
UC, CSU
Prerequisite: None.
An introduction to the basic knowledge and skills necessary to develop the ability to read music. Study of basic skills in music reading, ear training, sight-singing, melodic and harmonic dictation. 36 hours lecture.
MUS-66 - Advanced Auxiliary Marching Units 2 units
CSU
Prerequisite: MUS-61.
Limitation on enrollment: Audition on or before the first class meeting.
Further rehearsal and performance of rifle, flag and dance units auxiliary to the Marching Band. Further participation in public performance such as half-time and field shows, parades and tours is an important part of the marching band schedule. May be taken a total of four times. 108 hours laboratory.

MUS-67 - Community Chamber Ensemble 1 unit
CSU (C-ID MUS 180)
Prerequisite: None.
Limitation on enrollment: Previous experience on the instrument through private instruction and college orchestra performance. Audition on or before the first class meeting.
A course in developing advanced individual skills through ensemble performance. The ensemble will perform a limited number of concerts throughout the semester. Subsequent enrollment in additional semesters will provide the student an opportunity for additional advanced skill and competency development within the subject matter. May be taken a total of four times. 54 hours laboratory.

MUS-68 - Community Symphony 2 units
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting. Previous experience in the performance of orchestral literature at the college level.
A course that rehearses and performs advanced symphonic orchestral literature. Appearances at college and community functions are made throughout the year. Subsequent enrollment in additional semesters will provide the student an opportunity for additional skill and competency development within the subject matter and provide leadership opportunities within the section. May be taken a total of four times. 108 hours laboratory.

MUS-69 - Festival Choir 1 unit
UC, CSU (C-ID MUS 180)
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
An advanced large vocal group dedicated to the further study, rehearsal and public performance of complex choral repertoire from the middle ages to the 20th century, including major works with orchestra. Activities include concerts, festivals and concert tours. Subsequent enrollment will provide the student an opportunity for additional skill and competency development within the subject matter. May be taken a total of four times. 54 hours laboratory.

MUS-70 - Guitar Lab Ensemble 1 unit
UC, CSU (C-ID MUS 180)
Prerequisite: None.
Limitation on enrollment: Previous experience with classical guitar and audition on or before the first class meeting.
Study and performance of beginning and intermediate literature for guitar ensemble. May be taken a total of four times. 54 hours laboratory.

MUS-71 - College Chorus 1 unit
UC, CSU (C-ID MUS 180)
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
An advanced vocal ensemble of mixed voices dedicated to the further study, rehearsal and performance of a variety of choral literature. Different literature will be studied each semester. May be taken a total of four times. 54 hours laboratory.

MUS-72 - Group Keyboarding Skills 1 unit
UC, CSU
Prerequisite: None.
Keyboard skills for advanced performance on keyboards in all keys. Includes skills for accompanying individuals and groups. Opportunity provided for group and individual performance. 17 hours lecture and 32 hours laboratory.

MUS-73 - Vocal Jazz Singers 2 units
UC, CSU
Prerequisite: None.
Advisory: Concurrent enrollment in MUS-29, 41, 51, 69 or 81.
Limitation on enrollment: Audition on or before the first class meeting.
An advanced vocal jazz ensemble of singers dedicated to the further study and performance in jazz styles arranged for vocal jazz ensemble. Appearances at public and private functions will be made throughout the year. May be taken a total of four times. 108 hours laboratory.

MUS-74 - Jazz Proficiency 1 unit
UC, CSU
Prerequisite: None.
Group and individual preparation for the jazz skills proficiency examinations required of entering music majors at transfer institutions. Opportunity provided for individual attention and performance. 54 hours laboratory.

MUS-75 - Advanced Vocal Ensembles 1 unit
UC, CSU (C-ID MUS 180)
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
This course is for advanced students who need more work on small group literature. There is opportunity for public performance and solo recital concerts. Subsequent enrollment will provide the student an opportunity for additional competency development within the subject matter. May be taken a total of four times. 54 hours laboratory.
MUS-76 - Advanced Instrumental Ensembles 1.5 units
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
Performance of music literature at an advanced level for small instrumental ensembles. Public performance in concert or recital situations. May be taken a total of four times. 81 hours laboratory.

MUS-77 - Guitar Ensemble 2 units
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
This course is for the study, rehearsal, and public performance of literature for classical guitar ensemble, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. Participation in public performances is required. May be taken a total of four times. 108 hours laboratory.

MUS-78 - Beginning Applied Music II 2 units
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
Advanced vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Each student must complete a minimum of 6.75 hours a week in a combination of individualized practice, lessons, and concert attendance. Not designed for beginning students. May be taken a total of four times. 108 hours laboratory.

MUS-79 - Applied Music II 3 units
UC, CSU
Prerequisite: None.
Corequisite: Enrollment in a two-unit performance class.
Limitation on enrollment: Audition on or before the first class meeting.
Advanced vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Each student must complete 10.125 hours per week in a combination of individualized practice, lessons, concert attendance and individual performance. May be taken a total of four times. 162 hours laboratory.

MUS-80 - Master Singers 1 unit
UC, CSU (C-ID MUS 180)
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
A course for college and community singers to perform advanced choral music with orchestra. Subsequent enrollment will provide the student an opportunity for additional skill and competency development within the subject matter. May be taken a total of four times. 54 hours laboratory.

MUS-81 - Consort Singers 2 units
UC, CSU
Prerequisite: None.
Advisory: Concurrent enrollment in MUS-29, 33, 51, 69 or 73.
Limitation on enrollment: Audition on or before the first class meeting.
An advanced select vocal group dedicated to the study, rehearsal and public performance of complex smaller choral repertoire from the Middle Ages to the 20th century. Activities include concerts, festivals, and radio and TV broadcasts, and concert tours. May be taken a total of four times. 108 hours laboratory.

MUS-82 - Wind Symphony 2 units
UC, CSU
Prerequisite: None.
Limitation on enrollment: Previous experience in performance of instrumental music. Audition on or before the first class meeting.
Study and performance of literature written for the contemporary wind symphony as it pertains to standard performance practice. Public concerts on campus and in the community each semester. May be taken a total of four times. 108 hours laboratory.

MUS-83 - Advanced Chamber Choir 1 unit
UC, CSU (C-ID MUS 180)
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
Advanced student and community chamber choir dedicated to the study, rehearsal and public performance of a variety of chamber choral literature. Activities will include concerts, festivals, radio and TV broadcasts and private appearances. May be taken a total of four times. 54 hours laboratory.

MUS-84 - Jazz Orchestra 2 units
UC, CSU
Prerequisite: None.
Advisory: Concurrent enrollment in MUS-42 or 82.
Limitation on enrollment: Previous experience in performance literature. Audition on or before the first class meeting.
Study and performance of literature written for the contemporary Jazz Orchestra. Literature selected will be for the expanded Jazz Orchestra, including French horns, harp, strings, double reeds, tuned percussion and Musical Instrument Digital Interface (MIDI) equipped instruments. May be taken a total of four times. 108 hours laboratory.

MUS-85 - Summer Chamber Ensembles 1 unit
UC, CSU (C-ID MUS 180)
Prerequisite: None.
Limitation on enrollment: Previous experience in performance of instrumental music and audition on or before the first class meeting.
Performance and rehearsal of standard music literature for the small instrument ensemble. Public performance is required. May be taken a total of four times. 54 hours laboratory.
MUS-86 - Summer Instrumental Ensembles 1 unit
UC, CSU (C-ID MUS 180)
Prerequisite: None.
Limitation on enrollment: Previous experience in performance of instrumental music and audition on or before the first class meeting.
Performance and rehearsal of standard music literature for the large instrument ensemble. Public performance is required. May be taken a total of four times. 54 hours laboratory.

MUS-87 - Applied Music Training 1 unit
UC, CSU (C-ID MUS 160)
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
Vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Each student must complete 54 hours in a combination of individualized practice, lessons, concert attendance and individual performance. Not designed for beginning students. Course may be taken a total of four times. 54 hours laboratory.

MUS-88 - Pageantry Ensemble 2 units
UC, CSU
Prerequisite: None.
Limitation on enrollment: Basic instrumental skills on a band instrument. Audition on or before the first class meeting.
Advanced skill development in playing and marching as part of the Marching Band program. Further participation in public performance such as half-time and field shows, parades and tours is an important part of the marching band schedule. May be taken a total of four times. 108 hours laboratory.

MUS-89 - Music of Multicultural America 3 units
UC, CSU
Prerequisite: None.
A comparative and integrative study of the multicultural musical styles of the United States. Includes the music of Native Americans, European Americans, African Americans, Chicanos/Latinos, and Asian Americans from their historical roots to the present. Analysis of musical traditions from a technical and cultural perspective; and sequential development of listening and descriptive skills through a variety of media including films, recordings and computer-assisted instruction. 54 hours lecture.

MUS-89H - Honors Music of Multicultural America 3 units
UC, CSU
Prerequisite: None.
Limitation on enrollment: Enrollment in the Honors Program.
An honors course that offers a comparative and integrative study of the multicultural musical styles of the United States. Includes the music of Native Americans, European Americans, African Americans, Chicanos/Latinos, and Asian Americans, from their historical roots to the present. Analysis of musical traditions from a technical and a cultural perspective; and sequential development of listening and descriptive skills through a variety of media including films, recordings, and computer-assisted instruction. Students may not receive credit for both MUS-89 and MUS-89H. 54 hours lecture.

MUS-92 - Basic Piano .5 unit
UC, CSU
Prerequisite: None.
Group piano lessons for beginners. Emphasis on reading pitches and rhythms from music notation in treble and bass clefs, reading lead sheet notation for chords, and learning to play simple melodies and basic chords in a limited number of keys. 27 hours laboratory.

MUS-93 - The Business of Music 3 units
CSU
Prerequisite: None.
Study of contracts, trademarks and copyrights, and marketing; including the roles of personal managers, business managers, attorneys and agents. Overview of songwriting, publishing, recordings and royalties. Basics of touring, merchandising and local arrangements. 54 hours lecture.

MUS-94 - Community Jazz Orchestra .5 unit
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition by instructor and previous experience in performance literature.
Study and performance of literature written for the contemporary Community Jazz Orchestra. Literature selected will be for the expanded Jazz Orchestra, including French horns, harp, strings, double reeds, tuned percussion and Musical Instrument Digital Interface (MIDI) equipped instruments. May be taken a total of four times. 27 hours laboratory.

MUS-95 - Community Symphony Band 1 unit
UC, CSU (C-ID MUS 180)
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting. The ability to sightread and perform music on either a wind, percussion, string or keyboard instrument.
Study and performance of symphony band literature. Appearances at college and community functions are made throughout the year. May be taken a total of four times. 54 hours laboratory.
MUS-200 - Music Work Experience 1-2-3-4 units
CSU*
Prerequisite: None.
Advisory: Students should have paid or voluntary employment.
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

MUS-P12 - Applied Piano I 3 units
UC, CSU
Prerequisite: None.
Corequisite: MUS-P36 or a two unit performance class.
Limitation on enrollment: Audition on or before the first class meeting.
Individual piano instruction for students preparing to audition, transfer, or for those who wish to perform in a recital. Each student must complete a minimum of 10.125 hours per week in a combination of individualized practice, lessons, concert attendance and individual performance. Enrollment in subsequent semesters ensures uninterrupted study for students preparing to transfer as music majors. Not designed for beginning students. May be taken a total of four times. 162 hours laboratory.

MUS-P27 - Beginning String Techniques 1 unit
CSU
Prerequisite: None.
An exploratory study of the violin, viola, cello, and string bass in a classroom setting. Emphasis is on sound production, articulation and basic music sight reading and theory. No previous experience necessary. 54 hours laboratory.

MUS-P28 - Symphony Strings 2 units
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
A course that rehearses and performs symphonic orchestral literature. Appearances at college and community functions are made throughout the year. Subsequent enrollment in additional semesters will provide the student an opportunity for additional skill and competency development within the subject matter and provide leadership opportunities within the section. May be taken a total of four times. 18 hours lecture and 54 hours laboratory.

MUS-P36 - Piano Ensemble 1 unit
UC, CSU (C-ID MUS 180)
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
This course is for the study, rehearsal, and public performance of literature for piano ensemble, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. Participation in public performances is required. May be taken a total of four times. 54 hours laboratory.

MUS-P44 - Jazz Lab Band 1 unit
UC, CSU (C-ID MUS 180)
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
This course is for the study, rehearsal, and public performance of jazz ensemble literature, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. Participation in public performances is required. May be taken a total of four times. 54 hours laboratory.

MUS-P77 - Advanced Guitar Ensemble 2 units
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting. Student must successfully complete MUS-77 four times.
An ensemble dedicated to the study, rehearsal and performance of advanced literature written or transcribed for classical guitar ensemble. Subsequent enrollment will provide the student an opportunity to gain additional skill and competency within the subject matter. May be taken a total of four times. 108 hours of laboratory.

MUS-P84 - Jazz Lab Orchestra 1 unit
UC, CSU (C-ID MUS 180)
Prerequisite: None.
Limitation on enrollment: Designed for beginning or intermediate jazz performers. Audition on or before first class meeting.
Study and performance of beginning and intermediate jazz literature for the jazz orchestra. May be taken a total of four times. 54 hours laboratory.

NATIVE AMERICAN STUDIES
See ETHNIC STUDIES
SCHOOL OF NURSING

Two curricula are offered in nursing: The Associate Degree Nursing (ADN) Program leading to licensure as an RN and the Vocational Nursing Program leading to licensure as an LVN. The ADN Program is approved by the California Board of Registered Nursing (BRN) and accredited by the Accreditation Commission for Education in Nursing (ACEN). An additional program option is a one-year LVN to ADN course of study. The Vocational Nursing Program is approved by the California Board of Vocational Nursing and Psychiatric Technicians (BVNPT). Information concerning nursing education can be obtained from these agencies: BRN, 1747 North Market Blvd., Suite 150, Sacramento, CA 95834, Website: www.rcc.edu/departments/schoolofnursing/Pages/School-Of-Nursing.aspx.

CITIZENSHIP AND IMMIGRATION STATUS VERIFICATION REQUIRED FOR VN/RN LICENSURE

The Federal Personal Responsibility and Work Opportunity Reconciliation Act requires government agencies to eliminate “public benefits” to individuals who cannot provide proof of their legal status in the United States. “Public benefit” has been interpreted to include a license issued by a state. This means that all applicants for licensure as vocational/registered nurses will be required to submit verification of citizenship or legal residence status in the United States. A license will not be issued until legal status in the United States has been confirmed by the Immigration and Naturalization Service.

DISCLOSURE OF SOCIAL SECURITY NUMBER

Disclosure of one’s social security number is mandatory for licensure by the BRN and BVNPT in accordance with Section 30 of the Business and Professions Code of Public Law 94-455 (42 USCA 405 (c) (2) (C)).

FINGERPRINT REQUIREMENT

One requirement to qualify for the licensing examination is the submission of Live Scan fingerprints. These are evaluated by the California Department of Justice and FBI.

ASSOCIATE OF SCIENCE DEGREE IN NURSING (ADN) PROGRAM

The two-year program fulfills all the requirements for the Associate of Science Degree from RCC and qualifies the graduate to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN), a national examination necessary for licensure as a registered nurse. The ADN Program prepares individuals for professional generalist nursing roles and for collaboration with other professionals and consumers in the delivery of holistic healthcare. The curriculum combines general education and nursing courses in a complete program enabling the student to obtain employment as a registered nurse in a variety of settings.

The ADN Program admits students on a bi-annual basis in August and February. Information on ADN Enrollment/Selection Policies and Procedures may be obtained by contacting the Enrollment and Evaluations Specialist or the Nursing Educational Advisor in the School of Nursing, the RCC Counseling Department, or by visiting www.rcc.edu/departments/schoolofnursing/Pages/School-Of-Nursing.aspx.

RN EXPENSES/GENERAL INFORMATION

(All expenses are approximate)

Uniforms: $250.
Books and supplies: $2,500 for two years.
Health Examination/Immunization: $200-$250. Students selected for the program must have a completed health exam form with clearance permitting unrestricted functional activities essential to nursing practice in accordance with the American with Disabilities Act (1990). Selected laboratory work and immunizations must be repeated one year later.
Background Check/Drug Screen: $130. Students selected for the program must pass the background check and have a clear drug screen. A valid U.S. social security number is required to complete the background check.

Affidavit of liability insurance at no cost to the student.

ATI Products (approximate cost $450).

APPLICATION TO THE PROGRAM

Applications are available at www.rcc.edu/academicPrograms/nursing/process.cfm during the application filing period (see below). The applicant is responsible for ensuring that all official transcripts (high school and college) and other necessary information have been received by the School of Nursing by the application period deadline. Note: Admission is denied to applicants who earned a grade of “C-” or less in a nursing program at another college. Students who have earned a grade of “C-” or less in any nursing program more than 10 years ago, and have since demonstrated a satisfactory academic record, may submit a petition to the Nursing Enrollment Committee for an exception to this policy. Foreign transcripts must be evaluated (Detailed Evaluation) prior to submission. Further information concerning foreign or transfer student requirements can be obtained from the School of Nursing office or the RCC Counseling Department. Students with prerequisite courses in progress must pass the background check and have a clear drug screen. A valid U.S. social security number is required to complete the background check.

It is recommended that students carry personal health and accident insurance including hospitalization. Policies are available to college students at reasonable rates. The college provides liability insurance at no cost to the student.

APPLICANT SELECTION

Applicants to the first semester of the ADN Program will be selected based on a multicriteria point system. These criteria...
include: general education GPA, pre-requisite course GPA, TEAS test scores, degrees/work experience, life experiences, and second language proficiency.

Applicants for the LVN-to-RN Advanced Placement (AP) Program will be admitted based on prioritization and random selection. Effective Fall 2014, AP students additionally must pass a Clinical Competency Assessment Exam prior to entering the ADN Program. See the Nursing Enrollment and Evaluation Specialist for additional information. First priority AP applicants have completed all prerequisites with a minimum 2.3 GPA, completed general education coursework with a 2.0 GPA, passed Nursing 18, satisfactorily passed the Clinical Competency Assessment, and passed the AP/HESI test. AP applicants who have not met all of these criteria, or submit any documents late will be lower priority. First priority applicants will be put into random selection for the available spaces.

None of the RCC Nursing programs have a waiting list. Applicants not selected must re-apply in subsequent application periods to be re-considered for the program.

The Riverside Community College District Board of Trustees has adopted policies and procedures and has endorsed practices which provide for the District and its employees and students to be in compliance with all the applicable laws in relation to prohibition of discrimination on the basis of gender, age, race, color, nationality, origin religion, disability, or sexual orientation.

APPLICATION FILING PERIOD
Applications and petitions may be obtained at www.rcc.edu/academicprograms/nursing during the application filing period only. Dates are subject to change. Please verify current application filing period dates with the School of Nursing Office at (951) 222-8407. Spring Semester - Application filing period is between the first business day of September to the first business day of October. Fall Semester - Application filing period is between the first business day of January to the first business day in February.

For complete information on applying to the program, and the selection process, please visit www.rcc.edu/academicPrograms/nursing.

MINIMUM REQUIREMENTS FOR ELIGIBILITY:
RCC application on file and eligibility to attend RCC.

High School Verification: Proof of high school graduation or equivalent is only required for 30 unit option students according to Board of Registered Nursing, Rules and Regulations, Section 1412. Official Transcripts required.

GPA of at least 2.0 in all work attempted at RCCD and a cumulative GPA of not less than 2.0, which includes all accredited college units attempted.

GPA of at least 2.5 in all general education course required for completion of the Associates Degree in Nursing.

Prerequisite Courses (15-25.5 units):

1. *Biology 1 (4 units)
   *BIO-1 is the prerequisite for AMY-2A, but NOT a prerequisite for the ADN Program. If an A&P series has been completed previously at RCCD or at another college then BIO-1 is not required to enter the program.
2. *Chemistry 2A or Chemistry 3 (4 units)
   *Chemistry is a required prerequisite for the Microbiology 1 (MIC-1) course offered at RCC.

To meet the RCC ADN Program’s requirement for eligibility, Chemistry may be satisfied by any of the following methods: completion of Chem-2A or Chem-3; a grade of “3” or higher on the Chemistry AP test; completion of 1 year of high school Chemistry with a “C” or better in the last semester and pass the RCC Chemistry Diagnostic test.

3. A minimum combined GPA of 2.5 for Traditional students and a minimum combined GPA of 2.3 for AP students is required in the following science courses:
   a. Anatomy and Physiology 2A (4 units)
   b. Anatomy and Physiology 2B (4 units)
   *If the Anatomy and Physiology is a combined course, it must be completed at one institution. The total number of units must be equivalent to 8 semester units. Students with a baccalaureate degree are waived from the unit stipulation.
   c. Microbiology 1 (4 units)
4. Completion of PSY-9 with a grade of “C” or better.

Additional Prerequisite Requirement for AP/Transfer Students:
1. NRN-18 (2.5 units)

Students must pass an Assessment/Readiness test (high school level Math, English, reading, science) prior to program enrollment. Students who fail to achieve a passing score will be required to complete additional pre-nursing coursework, then re-apply to the program and re-test. The required test for admission is the TEAS V. Study materials to prepare for this test are available at www.atitesting.com.

See current enrollment requirements available in the School of Nursing.

Additional General Education Requirements (19 units)
The following general education courses are not required for admission to the ADN Program; rather, they are required for the completion of the Associate of Science Degree in Nursing. Most students complete these requirements before entering the ADN Program due to the rigorous nursing student course load. Students who intend to continue their Nursing education and pursue a BSN should clarify the general education/graduation requirements lists available in the School of Nursing or the RCC Counseling Department to ensure full credit transfer.

<table>
<thead>
<tr>
<th>Category</th>
<th>Minimum Units Required</th>
</tr>
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<tbody>
<tr>
<td>English Composition</td>
<td>4</td>
</tr>
<tr>
<td>American Institutions</td>
<td>3</td>
</tr>
<tr>
<td>Social and Behavioral Sciences</td>
<td>3</td>
</tr>
<tr>
<td>Communications and Analytical Thinking</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: The following units are applied toward the Associate of Science Degree in Nursing and the Bachelor of Science in Nursing.
Math 1-49; Philosophy 11, Philosophy/Math 32) 6

___ Humanities: (see RCCD catalog) 3

___ Competency: In order to graduate, students must demonstrate competence in mathematics, reading and English (see graduation requirements section of the catalog). (19)

NOTE: A grade of “C” or better is required in all prerequisites and program courses used to fulfill requirements for the Associate Degree in Nursing. A grade of “C-” will only be accepted for general education courses.

HEALTH EXAMINATION AND CPR CERTIFICATION
All new and readmitting students are required to submit a CPR card (American Heart Association Healthcare Provider Course) valid for 2 years, and a completed health examination form with clearance permitting unrestricted functional activities essential to nursing practice in accordance with the American with Disabilities Act (1990). Health Exam and CPR Certification are not required at the time of application.

BACKGROUND CHECK AND DRUG SCREEN
All new and readmitting students are required to demonstrate a clear background check and clear drug screen prior to enrollment in clinical courses. The process for obtaining the background check is available in the School of Nursing office. This is a mandatory requirement of the clinical facilities where students do clinical training and cannot be waived. A valid U.S. social security number is required to complete the background check.

REQUIREMENTS TO PROGRESS IN THE ADN NURSING PROGRAM
Nursing students are mandated by the California Board of Registered Nursing to meet minimum course requirements to be eligible for NCLEX-RN administered by the National Council of State Boards of Nursing (NCSBN). A minimum grade of “C” in theory and a satisfactory clinical evaluation in each nursing course are required for the student to advance from one semester to the next.

READMISSION POLICY
A student who at any time has been admitted to the ADN Program and subsequently withdraws or earns a “D” or “F” grade in the nursing course(s) must file a petition to be readmitted to the program and submit a new clear background check. Petitions may be obtained from www.rcc.edu/departments/schoolofnursing/ A student who withdraws due to unsatisfactory performance or receives a grade of less than “C” in the ADN Program will be allowed to be readmitted according to the RCC School of Nursing Prioritization of Readmission/Transfer/Advanced Placement/Deferral Candidates. Refer to RCC Nursing Student Handbook which is available on-line at www.rcc.edu/departments/schoolofnursing/ When a student withdraws from the Nursing program or fails to earn a grade of “C” or better, although all efforts are made to offer space to returning students in the timeliest fashion. There is no promise or guarantee as to when a space will be available for readmission.

TRANSFER STUDENTS
Students transferring from another nursing program must submit the following with their nursing application:

a. Official up-to-date (within 90 days) transcript for the nursing program from which they are transferring.
b. Course outlines and syllabi from completed nursing courses.
c. Completion of Recommendation Form. Form can be obtained from the Nursing Enrollment and Evaluation Specialist.
d. Personal letter describing reasons for wanting to transfer to this program.

Transfer students are also required to complete Nursing 18 prior to enrolling in the program. Transfer students may only be admitted pending available space.

Admission will be denied to an applicant who earned a grade “C-” or less in a nursing program at another college. However, students who have earned a grade of “C-” or less in any nursing program more than 10 years ago, and have since demonstrated a satisfactory academic record, may submit a petition to the Nursing Enrollment Committee for an exception to this policy.

CHALLENGE POLICIES/30-UNIT COMPLETION OPTION FOR LVN’S
Students with previous nursing education or experience are eligible to petition for advanced placement in the ADN Program. Additionally, a 30-unit completion option is available to Licensed Vocational Nurses per the California BRN Code of Regulations 1429. However, it is important to note that LVNs choosing to take the 30 unit option can never be qualified as graduates of the RCC ADN Program and will permanently be referred to as having attained a Nursing Non-Degree/Non Graduate Status. Information regarding transfer/challenge policies and the 30-unit option for LVNs may be obtained from the School of Nursing (951) 222-8407.

DIPLOMA NURSING EDUCATION CREDIT
Graduates of diploma schools of nursing shall receive 30 units of nursing credit after completing 15 units at Riverside City College. Information regarding this policy may be obtained from the School of Nursing.
REGISTERED NURSE (RN):

RCC ADN CURRICULUM

Please access the link below for complete information on the RCC ADN Program’s mission, philosophy, major curriculum concepts, and program student learning outcomes. www.rcc.edu/departments/schoolofnursing/

NRN-6 - Nursing Learning Laboratory .5 unit

Prerequisite: None.
Limitation on enrollment: Enrollment in the Associate Degree or Vocational Nursing Program.
An on-campus laboratory designed for self-paced practice and mastery of nursing skills necessary for providing safe client care throughout the program. Provides instructional guidance to assist students refine newly acquired skills and develop the competency level expected of entry-level nurses. Multimedia and computer assisted instructional materials which support the semester learning objectives are available. 27 hours laboratory. (Pass/No Pass only.)

NRN-7 - Nursing Learning Laboratory 1 unit

Prerequisite: None.
Limitation on enrollment: Enrollment in the Associate Degree or Vocational Nursing Program.
An on-campus laboratory designed for self-paced practice and mastery of nursing skills necessary for providing safe client care throughout the program. Provides instructional guidance to assist students refine newly acquired skills and develop the competency level expected of entry-level nurses. Multimedia and computer assisted instructional materials which support the semester learning objectives are available. 54 hours laboratory. (Pass/No Pass only.)

NRN-8 - Nursing Learning Laboratory 2 units

Prerequisite: None.
Limitation on enrollment: Enrollment in the Associate Degree or Vocational Nursing Program.
An on-campus laboratory designed for self-paced practice and mastery of nursing skills necessary for providing safe client care throughout the program. Provides instructional guidance to assist students refine newly acquired skills and develop the competency level expected of entry-level nurses. Multimedia and computer assisted instructional materials which support the semester learning objectives are available. 108 hours laboratory. (Pass/No Pass only.)

NRN-11 - Foundations of Nursing Practice Across the Lifespan 9.5 units

CSU
Corequisite: Concurrent enrollment in NRN-11A.
Advisory: ENG-1A and COM-1 or COM-9 and CIS-80 or CIS-84.
Limitation on enrollment: Enrollment in the Associate Degree Nursing Program.
This course focuses on foundational concepts necessary for safe, patient-centered nursing care to a diverse patient population while integrating professional, legal, and ethical responsibilities of the nurse. The course addresses health promotion across the lifespan; introduces critical thinking applied to nursing; the nursing process; communication techniques used when interacting with patients and members of the interprofessional team; evidence-based nursing practice; and nursing informatics. Application of knowledge and skills occurs in the nursing skills lab, simulator lab, and a variety of clinical settings. 90 lecture hours and 243 laboratory hours. (Letter Grade only.)

NRN-11A - Nursing Learning Laboratory .5 unit

Corequisite: Concurrent enrollment in NRN-11.
Limitation on enrollment: Enrollment in the Associate Degree Nursing Program.
An on-campus lab designed for structured practice and mastery of nursing skills necessary for providing safe patient care. Provides instructional guidance to assist students in refining newly acquired skills and develop the competency level expected of foundational nursing students. Various multimedia and computer-assisted instructional materials which support the student learning outcomes will be assigned. 27 hours laboratory. (Pass/No Pass only.)

NRN-11B - Nursing Learning Laboratory 1 unit

Corequisite: Concurrent enrollment in NRN-11.
Limitation on enrollment: Enrollment in the Associate Degree Nursing Program.
An on-campus lab designed for structured practice and mastery of nursing skills necessary for providing safe patient care. Provides instructional guidance to assist students in refining newly acquired skills and develop the competency level expected of foundational nursing students. Various multimedia and computer-assisted instructional materials which support the student learning outcomes will be assigned. Additional 54 hours of laboratory.
NRN-11C - Nursing Learning Laboratory  

**2 units**  
**Prerequisite:** AMY-2A, AMY-2B, MIC-1 and PSY-9.  
**Corequisite:** Concurrent enrollment in NRN-11.  
**Limitation on enrollment:** Enrollment in the Associate Degree Nursing Program.  

An on-campus lab designed for structured practice and mastery of nursing skills necessary for providing safe patient care. Provides instructional guidance to assist students in refining newly acquired skills and develop the competency level expected of foundational nursing students. Various multimedia and computer-assisted instructional materials which support the student learning outcomes will be assigned. Additional 108 hours of laboratory. (Non-degree credit course. Pass/No Pass only.)

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NRN-12 - Chronic Illness/Acute Maternal Child Specialty  

**8 units**  
**CSU**  
**Prerequisite:** NRN-11.  
**Corequisite:** Concurrent enrollment in NRN-12A.  
**Limitation on enrollment:** Enrollment in the Associate Degree Nursing Program.  

Focuses on concepts necessary to provide safe, patient-centered nursing care for developmentally and culturally diverse patient-specific populations which include infants, children, childbearing and childrearing families, and chronically ill adults. Incorporates application of nursing theory, communication, collaboration, and critical thinking as well as evidence-based nursing practice, professional standards, and legal and ethical responsibilities of the nurse in various healthcare settings. Includes acquisition of nursing skills required in chronic care and maternal/child settings. Application of knowledge and skills occurs in the nursing skills lab, simulation lab, and a variety of clinical settings. 72 hours lecture and 216 hours laboratory.

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NRN-12A - Nursing Learning Laboratory  

**.5 unit**  
**CSU**  
**Prerequisite:** NRN-11.  
**Corequisite:** Concurrent enrollment in NRN-12.  
**Limitation on enrollment:** Enrollment in the Associate Degree Nursing Program.  

An on-campus laboratory designed for structured practice and mastery of nursing skills necessary for providing safe patient-centered care. Provides instructional guidance to assist students in refining newly acquired skills and develop the competency level expected of novice nursing students. Various multimedia and computer-assisted instructional materials which support the student learning outcomes, will be assigned. 27 hours laboratory. (Pass/No Pass only.)

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NRN-12B - Nursing Learning Laboratory  

**1 unit**  
**Prerequisite:** NRN-11.  
**Corequisite:** Concurrent enrollment in NRN-12.  
**Limitation on enrollment:** Enrollment in the Associate Degree Nursing Program.  

An on-campus lab designed for structured practice and mastery of nursing skills necessary for providing safe patient care. Provides instructional guidance to assist students in refining newly acquired skills and develop the competency level expected of novice nursing students. Various multimedia and computer-assisted instructional materials which support the student learning outcomes will be assigned. Additional 54 hours of laboratory. (Non-degree credit course. Pass/No Pass only.)

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NRN-12C - Nursing Learning Laboratory  

**2 units**  
**Prerequisite:** NRN-11.  
**Corequisite:** Concurrent enrollment in NRN-12.  
**Limitation on enrollment:** Enrollment in the Associate Degree Nursing Program.  

An on-campus lab designed for structured practice and mastery of nursing skills necessary for providing safe patient care. Provides instructional guidance to assist students in refining newly acquired skills and develop the competency level expected of novice nursing students. Various multimedia and computer-assisted instructional materials which support the student learning outcomes will be assigned. Additional 108 hours of laboratory. (Non-degree credit course. Pass/No Pass only.)

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NRN-13 - Acute and Chronic Illness  

**2.5 units**  
**CSU**  
**Prerequisite:** NRN-12.  
**Limitation on enrollment:** Enrollment in the Associate Degree Nursing Program.  

Focuses on concepts necessary for safe, patient-centered nursing care to a developmentally and culturally diverse patient population experiencing various acute and chronic conditions. Incorporates application of nursing theory, communication, collaboration, and critical thinking as well as evidence-based nursing practice, professional standards, and legal and ethical responsibilities of the professional nurse in various healthcare settings. Includes acquisition of nursing skills required in acute and chronic care settings. Application of knowledge and skills occurs in the nursing skills lab, simulation lab, and variety of clinical settings. 18 hours lecture and 81 hours laboratory.

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NRN-18 - Transition Course for Advanced Placement Students  

**2.5 units**  
**Prerequisite:** None.  
**Limitation on enrollment:** Must be an LVN and currently enrolled in the Associate Degree Nursing Program.  

An introduction to the RCC Associate Degree Nursing Program; mission, values, goals, and graduate learning outcomes. Focuses on the concepts of safe, quality evidence-based care, critical thinking, caring, professionalism, leadership, collaboration/communication, and nursing informatics. Assists LVNs with transition to the Associate Degree Nursing Program. 27 hours lecture and 54 hours laboratory. (Non-degree credit course.)
NRN-20 - National Council Licensure Examination .5 unit for Registered Nurses (NCLEX-RN)

Prerequisite: None.

Limitation on enrollment: Eligible for the NCLEX-RN.

This twelve-hour workshop is offered to help students in Associate of Science Degree programs study for NCLEX-RN examination for licensure. The course presents a review of topics in medical/surgical, maternal/child and mental health nursing. Topics encompass basic concepts and recent advances that are components of safe and effective nursing practice. Subsequent enrollment in additional semesters will offer the student an opportunity for mastery of theory content. 12 hours lecture. (Pass/No Pass only.)

NRN-21 - Acute Care and Chronic Illness II/Mental Health 9 units

Prerequisite: NRN-13.

Corequisite: Concurrent enrollment in NRN-21A.

Limitation on enrollment: Enrollment in the Associate Degree Nursing Program.

Focuses on concepts necessary for safe, patient-centered nursing care to a developmentally and culturally diverse patient population experiencing various acute and chronic medical/surgical and mental health conditions. Incorporates application of nursing theory, communication, collaboration, and critical thinking as well as evidence-based nursing practice, professional standards, and legal and ethical responsibilities of the professional nurse in various healthcare settings. Includes acquisition of nursing skills required in acute medical/surgical settings and acute and chronic mental health care settings. Application of knowledge and skills occurs in the nursing skills lab, simulation lab, and a variety of clinical settings. 81 hours lecture and 243 hours laboratory.

NRN-21A - Nursing Learning Laboratory .5 unit

Prerequisite: NRN-13.

Corequisite: Concurrent enrollment in NRN-21.

Limitation on enrollment: Enrollment in the Associate Degree Nursing Program.

An on-campus laboratory designed for structured practice and mastery of nursing skills necessary for providing safe patient-centered care. Provides instructional guidance to assist students to refine newly acquired skills and develop the competency level expected of intermediate level nursing students. Various multimedia and computer assisted instructional materials, which support the student learning outcomes will be assigned. Provides additional lab hours for students requiring remediation or additional practice to master nursing skills. 27 hours laboratory. (Pass/No Pass only.)

NRN-21B - Nursing Learning Laboratory 1 unit

Prerequisite: NRN-13.

Corequisite: Concurrent enrollment in NRN-21.

Limitation on enrollment: Enrollment in the Associate Degree Nursing Program.

An on-campus laboratory designed for structured practice and mastery of nursing skills necessary for providing safe patient-centered care. Provides instructional guidance to assist students to refine newly acquired skills and develop the competency level expected of intermediate level nursing students. Various multimedia and computer assisted instructional materials, which support the student learning outcomes will be assigned. Provides additional lab hours for students requiring remediation or additional practice to master nursing skills. 54 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

NRN-21C - Nursing Learning Laboratory 2 units

Prerequisite: NRN-13.

Corequisite: Concurrent enrollment in NRN-21.

Limitation on enrollment: Enrollment in the Associate Degree Nursing Program.

An on-campus laboratory designed for structured practice and mastery of nursing skills necessary for providing safe patient-centered care. Provides instructional guidance to assist students to refine newly acquired skills and develop the competency level expected of intermediate level nursing students. Various multimedia and computer assisted instructional materials, which support the student learning outcomes will be assigned. Provides additional lab hours for students requiring remediation or additional practice to master nursing skills. 108 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

NRN-22 - Integrated Care Across the Lifespan 9 units

Prerequisite: NRN-21.

Corequisite: Concurrent enrollment in NRN-22A.

Limitation on enrollment: Enrollment in the Associate Degree Nursing Program.

Focuses on concepts necessary for safe, patient-centered nursing care to developmentally and culturally diverse patient populations experiencing complex alterations in health across the lifespan. Incorporates application of nursing theory, communication, collaboration, and critical thinking as well as evidence-based nursing practice, professional standards, and legal and ethical responsibilities of the professional nurse in various healthcare settings. Includes acquisition of nursing skills required specifically to care for patients experiencing complex alterations in health at all ages. The course is designed to prepare students to function as an entry-level professional nurse generalist upon completion. Application of knowledge and skills occurs in the nursing skills lab, simulation lab, and a variety of clinical settings. 72 hours lecture and 270 hours laboratory.
NRN-22A - Nursing Learning Laboratory .5 unit
Prerequisite: NRN-21.
Corequisite: Concurrent enrollment in NRN-22.
Limitation on enrollment: Enrollment in the Associate Degree Nursing Program.
An on-campus laboratory designed for structured practice and application of nursing skills necessary for providing safe patient-centered care. Provides learning opportunities which facilitate students integration of nursing skills, knowledge, and critical thinking ability required for entry level nursing practice. Various multimedia, computer-assisted instructional materials, and human patient simulation (HPS) which support the student learning outcomes will be assigned. Provides additional lab hours for students requiring remediation or additional practice to master nursing skills. 27 hours laboratory. (Pass/No Pass only.)

NRN-22B - Nursing Learning Laboratory 1 unit
Prerequisite: NRN-21.
Corequisite: Concurrent enrollment in NRN-22.
Limitation on enrollment: Enrollment in the Associate Degree Nursing Program.
An on-campus laboratory designed for structured practice and application of nursing skills necessary for providing safe patient-centered care. Provides learning opportunities which facilitate students integration of nursing skills, knowledge, and critical thinking ability required for entry level nursing practice. Various multimedia, computer-assisted instructional materials, and human patient simulation (HPS) which support the student learning outcomes will be assigned. Provides additional lab hours for students requiring remediation or additional practice to master nursing skills. 54 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

NRN-22C - Nursing Learning Laboratory 2 units
Prerequisite: NRN-21.
Corequisite: Concurrent enrollment in NRN-22.
Limitation on enrollment: Enrollment in the Associate Degree Nursing Program.
An on-campus laboratory designed for structured practice and application of nursing skills necessary for providing safe patient-centered care. Provides learning opportunities which facilitate students integration of nursing skills, knowledge, and critical thinking ability required for entry level nursing practice. Various multimedia, computer-assisted instructional materials, and human patient simulation (HPS) which support the student learning outcomes will be assigned. Provides additional lab hours for students requiring remediation or additional practice to master nursing skills. 108 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

NRN-91 - Nursing Work Study (BRN Approved) .5 unit
Prerequisite: NRN-2.
This nursing work study is designed to correlate instructional theory with related clinical experience. The student will have an opportunity for refinement of previously learned nursing skills and further competency development in clinical practice under the supervision of a registered nurse preceptor at a clinical facility. 27 hours laboratory. (Pass/No Pass only.)

NRN-93 - Calculations for Healthcare Providers 1 unit
Prerequisite: None.

NRN-94 - Nursing Clinical Development Practicum 2 units
Prerequisite: None.
Limitation on enrollment: Enrollment in the Associate Degree Nursing or Vocational Nursing Programs.
This course is designed to maintain and build clinical nursing skills. Emphasis is on using critical thinking skills in the application of theory to clinical practice. Offers opportunities for clinical enhancement and/or remediation through individualized learning contracts. Designed in collaboration with semester/program faculty. Structured to accommodate students from all levels. 108 laboratory hours. (Pass/No Pass only.)

NRN-200 - Nursing Work Experience 1-2-3-4 units
Prerequisite: None.
Advisory: Students should have paid or voluntary employment.
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)
VOCATIONAL NURSING (VN) PROGRAM

The Vocational Nursing Program is a certificate program that prepares graduates to qualify for the national licensing examination (NCLEX-PN) to become a Licensed Vocational Nurse. The 12 month full-time or 24 month part-time curricula provide student-centered instruction that conforms to regulations of the California Board of Vocational Nursing and Psychiatric Technicians. Classroom instruction is offered concurrently with clinical practice to assist the student in the application of nursing theory to actual nursing situations. To receive a certificate, a minimum grade of “C” must be earned in each nursing course, Anatomy and Physiology 10, and Psychology 9. New classes are admitted every fall. The program is 51 semester units. Information on Vocational Nursing Program admission/selection policies and procedures may be obtained by contacting the School of Nursing, (951) 222-8405 or by viewing the website.

MINIMUM REQUIREMENTS FOR ELIGIBILITY

NOTE: Meeting minimum criteria for the program does not guarantee admission to the program.

1. The following must be met prior to the application deadlines. Please check with the Counseling Department to verify official high school and college transcripts are on file. Admission to Riverside Community College District.
   a. Graduation from an accredited high school or equivalent (G.E.D., High School Proficiency Examination, Associate Degree or Bachelor’s degree). Official up-to-date transcripts required.
   b. A cumulative grade point average of at least a 2.0 (“C”) in all college course work attempted.
   c. Application to the VN Program submitted during the application period. Applications are on the RCC School of Nursing website and are submitted to the Nursing Evaluation and Enrollment Specialist during the application filing period. Students who wish to start the program in the fall must submit an application even if prerequisite courses are in progress: Psychology 9, Nursing 50 and/or Anatomy and Physiology 10. Note: No waiting list is maintained. Therefore a new application is necessary each year.
2. The following must be met in order to be considered for acceptance to the program.
   a. Anatomy and Physiology 10 or Anatomy 2A and 2B or equivalent.
   b. Nursing 55
   c. Psychology 9
   d. 100% on Nursing Program Arithmetic Proficiency Exam.
   e. Be at least 17 years of age (Section 2866a, VN Practice Act).
   f. Possess a current CNA Certificate.
   Students must complete a combined series of Anatomy and Physiology at one institution.
3. Application to the VN program. Applications can be obtained online at: www.rcc.edu/departments/schoolofnursing/ and submitted to the Nursing Evaluation and Enrollment Specialist, Riverside City College.

VN PROGRAM EXPENSES (All expenses are approximate)

3. Health examination/immunizations $200-$250. Students selected for the program must have a completed health exam form with clearance permitting unrestricted functional activities essential to nursing practice in accordance with the Americans with Disabilities Act (1990). Selected laboratory work must be repeated one year later.
4. Per Semester: Health Services, Student Services, Parking, and Enrollment fees, see current schedule of classes for the per semester fees.
5. Students must have current CPR certification (Heart Association /BLS Healthcare Provider Course). If the CPR card expires prior to the end of the semester or intersession, recertification is required prior to enrollment- $60 approximately.
6. It is recommended that students carry personal health and accident insurance including hospitalization. Policies are available to college students at reasonable rates. The college provides liability insurance at no cost to the student.
7. Background check and drug screen must be clear prior to participation in clinical courses. Fee: approximately $130.
8. ATI: approximately $450.
* Fees are subject to change.

PROGRESSION POLICY: VN FULL-TIME PROGRAM:
If a student earns less than a “C” grade in any course required for enrollment in the VN Program (Nursing 52, 55, 60, 61, 62, 63, 70, 71), the student will be ineligible to continue in the program and must reapply to the vocational nursing program. Readmission will be granted on a space available basis according to RCC School of Nursing Prioritization/Transfer/Advance Placement/Deferral Candidate policy.

In order to repeat a VN program course, the student must complete a “Petition for Readmission to the Nursing Program,” as well as an application to the program. Applications can be obtained online at: www.rcc.edu/departments/schoolofnursing/ and submitted to the Nursing Evaluation and Enrollment Specialist, Riverside City College.

READMISSION POLICY-VOCATIONAL NURSING PROGRAM
A student who at any time has been admitted to the Vocational Nursing Program and subsequently withdraws or earns a “D” or “F” grade in the nursing course(s) must file a petition and application to be readmitted to the program. Petitions and applications can be obtained online at: www.rcc.edu/departments/schoolofnursing/ and submitted to the Nursing Evaluation and Enrollment Specialist, Riverside City College. Refer to the RCC VN Student Handbook for additional readmission policies. VN Program courses are subject to the State of California limits on course repetition.
When a student withdraws from the Vocational Nursing Program or fails to earn a grade of “C” or better, although all efforts are made to offer space to returning students in the most timely fashion, there is no promise of reassurance as to when there will be available space for readmission.

TRANSFER/CHALLENGE POLICIES
Students with previous nursing education or experience may petition for advanced placement credit. Information regarding this policy may be obtained from the School of Nursing.

NURSING (VOCATIONAL) COURSES:

NVN-52 - Introductory Concepts of Vocational Nursing - Nursing Fundamentals
Prerequisite: AMY-2A and 2B, or 10, and NVN-55 and PSY-9.
Limitation on enrollment: Admission to the full-time or part-time Vocational Nursing Program.
Focus on provider of care role of the vocational nurse in assisting clients in the adult life cycle stages to meet essential activities of daily living. A beginning knowledge of specialized nursing techniques with an understanding of the principles, rationales, and procedures for each. Beginning application of the nursing process to clients who require nursing intervention to meet basic human needs. The course includes selected experience in the observation and care of adults in a variety of settings, applying nursing knowledge from all foundation courses. 72 hours lecture (includes 18 hours of pharmacology) and 297 hours of clinical/laboratory.

NVN-52A - Nursing Learning Laboratory
Prerequisite: None.
Limitation on enrollment: Admission to the full-time or part-time Vocational Nursing Program.
An on-campus activity laboratory designed for self-pace practice/remediation and mastery of nursing skills necessary for providing safe patient care throughout the program. Provides instructional guidance to assist students to refine newly acquired skills and develop the competency level expected of foundational vocational nursing students. Various multimedia and computer assisted instructional materials which support the semester learning outcomes will be assigned. 27 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

NVN-52B - Nursing Learning Laboratory
Prerequisite: None.
Limitation on enrollment: Admission to the full-time or part-time Vocational Nursing Program.
An on-campus activity laboratory designed for self-pace practice/remediation and mastery of nursing skills necessary for providing safe patient care throughout the program. Provides instructional guidance to assist students to refine newly acquired skills and develop the competency level expected of foundational vocational nursing students. Various multimedia and computer assisted instructional materials which support the semester learning outcomes will be assigned. 54 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

NVN-52C - Nursing Learning Laboratory
Prerequisite: None.
Limitation on enrollment: Admission to the full-time or part-time Vocational Nursing Program.
An on-campus activity laboratory designed for self-pace practice/remediation and mastery of nursing skills necessary for providing safe patient care throughout the program. Provides instructional guidance to assist students to refine newly acquired skills and develop the competency level expected of foundational vocational nursing students. Various multimedia and computer assisted instructional materials which support the semester learning outcomes will be assigned. 108 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

NVN-55 - An Introductory Course to Contemporary Vocational Nursing Practice
Prerequisite: AMY-10 or AMY-2A and 2B.
Focuses on the definition, functions, responsibilities, and roles of the vocational nursing student and the Licensed Vocational Nurse as members of the interdisciplinary healthcare team. Introduces beginning concepts of getting started as a vocational nursing student, understanding the profession of vocational nursing, preparing for successful practice, and moving forward into the profession of a licensed vocational nurse. This course provides the student with an introduction to the responses of the body to diseases that affect basic human needs and are discussed in terms of illness, respiratory and circulatory disturbances, fluid and electrolytes, congenital, degenerative, allergic, and immune processes. Essential of nutrition throughout the life cycle and an introduction to therapeutic diet therapy are examined. 90 lecture hours.

NVN-56 - Intermediate Vocational Nursing Practice
Prerequisite: NVN-55, AMY-10 and PSY-9.
Focuses on provider of care role of the vocational nurse in assisting families to meet basic human needs. Laboratory experiences in maternity and pediatric situations experienced by families requiring nursing intervention. Provides instructional guidance to assist students to refine newly acquired skills and develop the competency level expected of foundational vocational nursing students. Various multimedia and computer assisted instructional materials which support the semester learning outcomes will be assigned. 216 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

NVN-61 - Intermediate Concepts of Vocational Nursing-Care of the Family
Prerequisite: NVN-52 and 60.
Application of the nursing process in common health/illness situations experienced by families requiring nursing intervention. Includes care of mothers, infants, children, and adolescents with health problems associated with their age groups. Emphasis is on the role of the vocational nurse in assisting families to meet basic human needs. Laboratory experiences in maternity and pediatric units. 63 hours lecture (including 8 hours pharmacology) and 135 hours clinical/laboratory.
NVN-62 - Intermediate Concepts of Vocational Nursing-Medical/Surgical
Prerequisite: NVN-61.
Application of the nursing process to the care of patients with common health/illness problems and needs according to Maslow. Continued development of understanding and utilization of principles in the determination of nursing actions. Opportunity for development of provider of care role for patients in the adult life cycle stages in a variety of clinical settings, from various cultural and social backgrounds, and with common medical/surgical conditions. Includes major focus on rehabilitation and adaptation to chronic illness problems. Observational experiences in home health care and in selected ancillary health departments that impact nursing care. 126 hours lecture (including 18 hours of pharmacology) and 270 hours clinical/laboratory.

NVN-62A - Nursing Learning Laboratory .5 unit
Prerequisite: None.
Limitation on enrollment: Admission to the full-time or part-time Vocational Nursing Program.
An on-campus activity laboratory designed for self-pace practice/remediation and mastery of nursing skills necessary for providing safe patient care throughout the program. Provides instructional guidance to assist students to refine newly acquired skills and develop the competency level expected of foundational vocational nursing students. Various multimedia and computer assisted instructional materials which support the semester learning outcomes will be assigned. 27 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

NVN-62B - Nursing Learning Laboratory 1 unit
Prerequisite: None.
Limitation on enrollment: Admission to the full-time or part-time Vocational Nursing Program.
An on-campus activity laboratory designed for self-pace practice/remediation and mastery of nursing skills necessary for providing safe patient care throughout the program. Provides instructional guidance to assist students to refine newly acquired skills and develop the competency level expected of foundational vocational nursing students. Various multimedia and computer assisted instructional materials which support the semester learning outcomes will be assigned. 54 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

NVN-62C - Nursing Learning Laboratory 2 units
Prerequisite: None.
Limitation on enrollment: Admission to the full-time or part-time Vocational Nursing Program.
An on-campus activity laboratory designed for self-pace practice/remediation and mastery of nursing skills necessary for providing safe patient care throughout the program. Provides instructional guidance to assist students to refine newly acquired skills and develop the competency level expected of foundational vocational nursing students. Various multimedia and computer assisted instructional materials which support the semester learning outcomes will be assigned. 108 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

NVN-63 - Intermediate Concepts of Vocational Nursing-Mental Health
Prerequisite: NVN-61.
Application of the nursing process and principles of mental health in the care of patients, in all health delivery settings, with conditions which interfere with normal intellectual, social, and/or emotional behavior and result in disturbed interpersonal relationships. Focus on using principles of psychiatric nursing, communication skills, and interpersonal relationship techniques to meet basic human needs. The clinical/laboratory experience will be directed toward roles of the vocational nurse in the application of theoretical knowledge through supervised interaction in the mental health setting with patients throughout the life cycle. Emphasis in the clinical experience will be on understanding and refining communication skills with patients with common health/illness and functional disorders. 36 hours lecture (including 2 hours pharmacology) and 65 hours clinical/laboratory.

NVN-70 - Advanced Vocational Nursing Foundations-Role Transition
Prerequisite: NVN-62 and 63.
Emphasis is on guidance regarding vocational nursing opportunities and responsibilities in making the transition to the provider of care and member of the discipline of nursing roles of the licensed vocational nurse. The dynamics of group process and its application to the management of ancillary health team members and groups of clients at various stages of the life cycle with common health/illness problems and need for assistance in meeting basic human needs. Leadership and supervision skills for the Licensed Vocational Nurse in structured health care settings. In-depth review of the Vocational Nurse Practice Act and legal and ethical issues in vocational nursing practice. 18 hours lecture.

NVN-71 - Advanced Concepts of Vocational Nursing-Medical/Surgical
Prerequisite: NVN-62 and 63.
Advanced application of the nursing process to the care of multiple clients from various ethnic and social backgrounds, in the adult life cycle stages with common health/illness problems/needs. Emphasis on the assisting role of the vocational nurse in caring for a client with an acute illness problem, including responsibilities and life saving measures in emergency situations. Uses knowledge of nursing principles, roles of the vocational nurse, basic human needs and leadership/supervision techniques to determine and prioritize nursing actions. 72 hours lecture (including 8 hours of pharmacology) and 189 hours clinical/laboratory.
CONTINUING EDUCATION IN NURSING
The Continuing Education courses offered by Riverside Community College District are approved by the California Board of Registered Nursing for the units/contact hours designated as specified for each course. Provider number 00100.

The Board of Vocational Nursing and Psychiatric Technicians will accept courses for Continuing Education credit that have been approved by the BVNPT and the California Board of Registered Nursing.

NURSING (CONTINUING EDUCATION) COURSES:

NXN-78 - Pharmacology in Clinical Nursing 3 units
Prerequisite: None.
Limitation on enrollment: Completion of or concurrent enrollment in a Vocational or Registered Nursing Program.
Reviews the major classes of medications used in community-based settings that provide primary, secondary and tertiary levels of healthcare. Focusing on the applications to clinical nursing practice, discusses the pharmacology, dosage administration and adverse effects of these medications. Selected non-drug therapy as it relates to drug therapy is also reviewed. Approved by the California Board of Registered Nursing for continuing education. Provider number 00100. 54 hours lecture.

NXN-81 - Introduction to Critical Care Nursing 5 units
Prerequisite: None.
Limitation on enrollment: Completion of a Registered Nursing Program.
A critical care course designed to prepare the Registered Nurse to become a specialist in the care of patients requiring intensive and high technical supportive care. It focuses on the introduction to critical care nursing; theory and scientific principles related to the following systems: cardiovascular, pulmonary, renal and genitourinary, neurological, gastrointestinal, endocrine, hematological, and multiple organ dysfunction; specialized procedures and equipment; and clinical skills training. Approved by the California Board of Registered Nursing for continuing education units. Provider number 00100. 90 hours lecture.

NXN-84 - Preparing for Success in Nursing School 1.5 units
Prerequisite: None.
Provides an introduction to and facilitates success in the Riverside Community College District (RCCD) nursing programs. Introduces the concept of a program of study, clarifies expectations, and informs students of campus-wide resources. Includes study and test-taking strategies, organizational and time-management skills, and other behaviors of the self-regulated learner. 27 hours lecture. (Pass/No Pass only.) Approved by the California Board of Registered Nursing for continued education units. Provider number 00100.

OCEANOGRAPHY

OCE-1 - Introduction to Oceanography 3 units
UC, CSU
Prerequisite: None.
Advisory: MAT-35.
Covers the physical, chemical, and geological processes in the oceans, including such topics as sea floor spreading, plate tectonics, coriolis effect, oceanic circulation, chemical properties of seawater, and elementary oceanographic techniques. 54 hours lecture.

OCE-1L - Introduction to Oceanography Laboratory 1 unit
UC, CSU
Prerequisite: None.
Corequisite: Concurrent enrollment in or prior completion of OCE-1.
Advisory: MAT-35.
An optional laboratory science course. Emphasis on laboratory techniques, student experimentation, and laboratory demonstrations. The laboratory experiments cover the physical, chemical, biological, and geological processes which are found in the oceans. Topics include: marine sediments-types and distribution; ocean bathymetry; salinity determination; and dynamic topography and waves and tides. 54 hours laboratory.

OFFICE ADMINISTRATION
See COMPUTER APPLICATIONS AND OFFICE TECHNOLOGY

PARALEGAL STUDIES

PAL-10 - Introduction to Paralegal Studies 3 units
CSU
Prerequisite: None.
An overview of the role of the paralegal. Introduction to administrative, civil, criminal and business law; and the court system. Emphasis on legal terminology and ethics of the legal profession. 54 hours lecture.

PAL-14 - Legal Ethics 3 units
CSU
Prerequisite: None.
Rules, regulations and responsibilities guiding the ethical behavior of paralegal professionals focusing on real-life ethical situations. 54 hours lecture.

PAL-64 - Legal Research and Computer Applications 3 units
CSU
Prerequisite: None.
Introduction to legal research from the perspective of the paralegal’s role in a law office including surveys of the principle law books and other materials used for legal research. Emphasis is placed on legal authority and on computer-assisted research. 54 hours lecture.
PAL-68 - Civil Litigation and Procedures I  3 units
CSU
Prerequisite: None.
The first of two courses designed to introduce the student to the study of civil litigation. Provides an overview of the litigation process and the function of the paralegal in the process. Rules of procedure will be applied to draft complaints, motions, answers and other legal documents applicable in a given fact situation in the preliminary stages of litigation. 54 hours lecture.

PAL-70 - Law Office Policies, Procedures and Ethics  1.5 units
CSU
Prerequisite: None.
Theoretical and practical aspects of policies and procedures in a law office as they relate to the role of the paralegal with emphasis on ethics, in each topic covered. Law office timekeeping, fee arrangements and calendaring will be studied using application software. 27 hours lecture.

PAL-71 - Legal Terminology  1.5 units
CSU
Prerequisite: None.
Introduction to legal words, definitions, synonyms, pronunciation and usage. To prepare for the use of legal terms in legal writing, memoranda of law, legal documents and briefs as well as verbal communication with judges, lawyers, paralegals and legal assistants in the legal profession. 27 hours lecture.

PAL-72 - Legal Analysis and Writing  3 units
CSU
Prerequisite: PAL-10, 68 or BUS-18A.
The study of techniques for analyzing judicial opinions and applying precedential decisions to current controversies, and of the written formats used in various legal documents, with emphasis on court pleadings. 54 hours lecture.

PAL-78 - Civil Litigation and Procedures II  3 units
CSU
Prerequisite: PAL-68.
Further study of civil litigation and procedures as it pertains to the role of a paralegal. Evidence, discovery techniques, preparation of briefs, settlement procedures, judgments, appeals, post trial procedures and alternative methods of dispute resolution are emphasized. 54 hours lecture.

PAL-80 - Internship Project  1.5 units
CSU
Prerequisite: PAL-64.
An application course designed to enhance practical research and writing skills including activities in law library and techniques of acquiring permanent employment in law-related environment. A written report will be required to contrast application with theory. 27 hours lecture.

PAL-81 - Bankruptcy Law and Procedures  3 units
CSU
Prerequisite: None.
Bankruptcy law and procedures as related to the role of a paralegal. Students prepare case files for several bankruptcy proceedings as though processed through the court system. Both debtor’s and creditor’s rights and obligations are covered. 54 hours lecture.

PAL-83 - Estate Planning and Probate Procedures  3 units
CSU
Prerequisite: None.
Estate planning for paralegals focusing on preparation of wills, trusts, life insurance, annuities and tax issues. Introduces various methods of administering a deceased person’s estate by a paralegal. Probate and non-probate procedures are examined as well as court proceedings to protect minors and an incompetent person’s estate. 54 hours lecture.

PAL-85 - Family Law and Procedures  3 units
CSU
Prerequisite: None.
Substantive law and procedures used in family law by a paralegal relative to dissolution of marriage, legal separation, nullity proceedings and the rights of married and unmarried parties under community and separate property laws and cohabitation cases in California. 54 hours lecture.

PAL-87 - Trial Practice Preparation and Procedures  3 units
CSU
Prerequisite: None.
Preparation and presentation of motions and a mock jury trial. Actual pleading, discovery, briefs and trial notebooks are prepared and used. The evidence code is reviewed and used at trial. 54 hours lecture.

PAL-200 - Paralegal Studies Work Experience  1-2-3-4 units
CSU*
Prerequisite: None.
Advisory: Students should have paid or voluntary employment.
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)
### PHILOSOPHY

**PHI-10 - Introduction to Philosophy**  
UC, CSU (C-ID PHIL 100)  
Prerequisite: None.  
Advisory: ENG-50 or 80.  
A survey and exploration of significant questions in the Western philosophical tradition. Questions are drawn from the various branches of philosophy: metaphysics, theory of knowledge, ethics, aesthetics, political philosophy and/or philosophy of religion. Students may not receive credit for both PHI-10 and PHI-10H. 54 hours lecture.

**PHI-10H - Honors Introduction to Philosophy**  
UC, CSU (C-ID PHIL 100)  
Prerequisite: None.  
Limitation on enrollment: Enrollment in the Honors Program.  
A survey and exploration of significant questions in the Western philosophical tradition through an examination of primary sources. Questions are drawn from the various branches of philosophy: metaphysics, theory of knowledge, ethics, aesthetics, political philosophy and/or philosophy of religion. The honors course offers an enriched experience for accelerated students by means of limited class size, seminar format, discussions and projects generated and led by students, the application of higher level thinking and writing skills–analysis, synthesis, and evaluation. Students may not receive credit for both PHI-10 and PHI-10H. 54 hours lecture.

**PHI-11 - Critical Thinking**  
UC, CSU  
Prerequisite: None.  
Advisory: REA-82.  
This course presents critical thinking as a skill to be used for better understanding, evaluating and constructing arguments. The focus will be on developing and enhancing the student’s ability to identify, analyze and present arguments. Topics covered through analysis and writing include the nature of argument, inductive and deductive reasoning, rhetoric, theory of knowledge, scientific method, informal fallacies. 54 hours lecture.

**PHI-12 - Introduction to Ethics:**  
Contemporary Moral Issues  
UC, CSU (C-ID PHIL 120)  
Prerequisite: None.  
Contemporary problems in ethics. An examination of the moral problems of today in light of ethical theory. Problems examined may include abortion, euthanasia, the death penalty, affirmative action, war, racism, sexism, and others. 54 hours lecture.

**PHI-13 - Philosophy of Art**  
UC, CSU  
Prerequisite: None.  
An introduction to the philosophy of the arts, including the nature and function of the aesthetic experience, aesthetic meaning and value, form, expression and the bases of aesthetic criticism. Class experience in analyzing and evaluating music, painting and literature. 54 hours lecture.

**PHI-14 - Survey of Black Thought**  
UC, CSU  
Prerequisite: None.  
A survey of Black thought from the earliest times, including Ethiopian-Egyptian-Coptic sources, medieval Muslim Africa, and modern Western slave and liberation periods. Representative thinkers of the modern periods are discussed. 54 hours lecture.

**PHI-19 - Native American Thought**  
UC, CSU  
Prerequisite: None.  
Philosophical and religious beliefs and practices of Native Americans. Explores Native American history and thoughts regarding man and nature. Emphasis placed on Native American thought and its relevance to contemporary problems and conflicts between American society and government and American Indian culture. 54 hours lecture.

**PHI-32 - Introduction to Symbolic Logic**  
(Same as MAT-32)  
UC, CSU (C-ID PHIL 210)  
Prerequisite: None.  
Limitation on enrollment: May not be taken if credit for MAT-32 has been granted.  
Introduces the principles of deductive reasoning, including the practical application of modern symbolic techniques. 54 hours lecture.

**PHI-33 - Introduction to Social and Political Philosophy**  
UC, CSU  
Prerequisite: None.  
Advisory: Qualification for ENG-1A.  
An introduction to issues in social and political philosophy. Discusses both the development of political philosophy in response to varying historical problems and the application of political philosophy to contemporary issues; topics studied include ancient Greek, social contract, communist and modern political philosophy. 54 hours lecture.

**PHI-35 - Philosophy of Religion**  
(Same as HUM-35)  
UC, CSU  
Prerequisite: None.  
Advisory: PHI-10 or 10H, or 11 and REA-83 and qualification for ENG-1A.  
An introduction to the examination of religious claims from a philosophical perspective. Emphasis will be placed upon examining the rational justification for various traditional faith claims, and upon examining the relationship between rationality and faith. The course presumes a basic knowledge of philosophical argumentation. 54 hours lecture.
PHOTOGRAPHY

PHO-8 - Introduction to Photography 3 units
UC, CSU
Prerequisite: None.
Theory and practice in the basic techniques of producing black and white photographs with technical and artistic merit. Acquire competency in the use of cameras with an emphasis on understanding the relationship of shutter, aperture and focal length. Acquire competency in the use of photo materials and processes associated with basic darkroom procedures. Students are expected to supply their own 35 mm cameras with aperture and shutter controls, film and enlarging paper for printing. 36 hours lecture and 54 hours laboratory. (Materials fee: $15.00)

PHO-9 - Intermediate Photography 3 units
CSU
Prerequisite: PHO-8 or 20.
An intermediate course in black and white photography emphasizing the theory and practice of photographic composition, use of natural and artificial lighting, on-camera filters, exposure techniques, photographic editing in both film and digital environments, and production of fine black and white prints. Introduces professional medium and large format cameras. Students required to provide their own 35 mm camera with aperture and shutter controls or a digital camera with aperture and shutter controls. 36 hours lecture and 54 hours laboratory. (Materials fee: $15.00)

PHO-10 - Advanced Photography 3 units
CSU
Prerequisite: PHO-9.
Advanced concepts of black and white photography, with emphasis on utilization of 35 mm and medium and large format cameras in the studio and on location. Application of advanced lighting techniques for products and portraiture. Includes an introduction to studio management and the legal and financial considerations of the professional photographer. Students required to provide their own 35 mm camera with aperture and shutter controls. 36 hours lecture and 54 hours laboratory. (Materials fee: $15.00)

PHO-12 - Photojournalism 3 units
(Same as JOU-12)
CSU (C-ID JOUR 160)
Prerequisite: PHO-8.
Corequisite: Concurrent enrollment in or prior completion of PHO-9.
Introduction to basic photojournalism as a means for communicating visual information in print media. Emphasis on using photographs to tell a story. Discussion of the professional, legal, and ethical responsibilities of the photojournalist. Students required to provide 35 mm camera with aperture and shutter controls. 36 hours lecture and 54 hours laboratory. (Materials fee: $15.00)

PHO-13 - Advanced Darkroom Techniques 3 units
CSU
Prerequisite: PHO-9.
Designed to introduce advanced students to manipulation of photosensitive materials for technical and creative enhancement of photographic images. The course presents the principles learned to control contrast and density with the goal of producing images with technical excellence using lighting, exposure, developing and printing techniques. Discuss laboratory processes for ensuring archival permanence of photographic images. 36 hours lecture and 54 hours laboratory.

PHO-14 - Lighting for Portraiture 3 units
CSU
Prerequisite: PHO-9.
Designed to introduce students to the basic theory and principles of studio photography. This course provides hands on experience in creating studio and environmental portraits with an emphasis on lighting and posing techniques. 36 hours lecture and 54 hours laboratory.

PHO-15 - Wedding and Special Event Photography 3 units
Prerequisite: None
This course addresses the technical, artistic, legal and interpersonal communication information required by the wedding and special event photographer. The content will include establishing a working relationship with the client, evaluating each event in order to choose the appropriate equipment, developing photographic shot lists based on the type of event and cultural and religious expectations, executing contracts and marketing services. 36 hours lecture and 54 hours laboratory.

PHO-17 - Introduction to Color Photography 3 units
CSU
Prerequisite: PHO-9.
Theory and practice in capture, editing and output of color photographs using film and digital media, scanners and commercial print processing. Includes color theory, analysis of light sources, color spaces, digital workflow, history of color photography and the work of contemporary color photographers. 36 hours lecture and 54 hours laboratory. (Materials fee: $15.00)

PHO-20 - Introduction to Digital Photography 3 units
CSU
Prerequisite: None.
Theory and practice in the basic techniques of producing digital photographs with technical and artistic merit. Acquire competency in the use of cameras with an emphasis on understanding the relationship of shutter, aperture and focal length. Software utilized may include Adobe Photoshop, Adobe Lightroom and others. Students are required to supply their own digital single lens reflex (SLR) camera with manual controls. 36 hours lecture and 54 hours laboratory.
PHO-67 - Business Practices for Photographers 3 units
(Same as BUS-67)
CSU
Prerequisite: None.
This course provides a foundation in business practices for photographers. Topics include: building a personal photography business model, pricing photographic services, negotiating with clients, protecting the photographer's work, assessing equipment needs and costs, insurance, accounting, contracts, copyright, marketing, stock photography, and archiving photographs. 54 hours lecture.

PHO-200 - Photography Work Experience 1-2-3-4 units
CSU*
Prerequisite: None.
Advisory: Students should have paid or voluntary employment.
This course is designed to coordinate the student's occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

PHYSICS

PHY-2A - General Physics I 4 units
UC*, CSU (C-ID PHYS 100S = PHY-2A + PHY-2B)
Prerequisite: None.
Corequisite: Concurrent enrollment in or prior completion of MAT-IA.
Meets the requirements for students majoring in biological science, including pre-medical or pre-dental students. This course examines: properties of matter; study of kinetics and mechanics, including Newton's laws, energy, momentum and rotational motion; fluid mechanics; gravitation; study of oscillatory motion; study of wave motion, including sound waves. 54 hours lecture and 54 hours laboratory.

PHY-2B - General Physics II 4 units
UC*, CSU (C-ID PHYS 100S = PHY-2A + PHY-2B)
Prerequisite: PHY-2A.
Corequisite: Concurrent enrollment in or prior completion of MAT-IA.
Meets the requirements for students majoring in biological science, including pre-medical and pre-dental students. This course includes: study of thermodynamics, including temperature, methods of heat transfer, calorimetry, ideal gas law, laws of thermodynamics, entropy, and heat engines; study of electricity and magnetism, including electric field and potential, Gauss' Law, current, Ohm's Law, capacitance and inductance, Faraday's Law; study of optics, including electromagnetic waves, reflection, refraction, interference, and diffraction; study of modern physics, including the photoelectric effect, de Broglie wavelength, quantum numbers, and radioactive decay. 54 hours lecture and 54 hours laboratory.

PHY-4A - Mechanics 4 units
UC*, CSU (C-ID PHYS 200S=PHY-4A+PHY-4B+PHY-4C+PHY-4D) (C-ID PHYS 205)
Prerequisite: None.
Corequisite: Concurrent enrollment in or prior completion of MAT-IA.
Examines vectors, particle kinematics and dynamics, work and power, conservation of energy and momentum, rotation, oscillations and gravitation. 54 hours lecture and 54 hours laboratory.

PHY-4B - Electricity and Magnetism 4 units
UC*, CSU (C-ID PHYS 200S=PHY-4A+PHY-4B+PHY-4C+PHY-4D) (C-ID PHYS 210)
Prerequisite: PHY-4A.
Corequisite: Concurrent enrollment in or prior completion of MAT-IB.
Study of electric fields, voltage, current, magnetic fields, electromagnetic induction, alternating currents and electromagnetic waves. 54 hours lecture and 54 hours laboratory.
Course Descriptions

PHY-4C - Heat, Light and Waves  4 units
UC*, CSU (C-ID PHYS 200S=PHY-4A+PHY-4B+PHY-4C+PHY-4D)
Prerequisite: PHY-4A.
Corequisite: MAT-1B.
Examines fluid mechanics; temperature, heat transfer, thermal properties of matter, laws of thermodynamics; oscillations and waves; reflection, refraction, lenses and mirrors, interference, and diffraction. 54 hours lecture and 54 hours laboratory.

PHY-4D - Modern Physics  4 units
UC, CSU (C-ID PHYS 200S=PHY-4A+PHY-4B+PHY-4C+PHY-4D)
Prerequisite: PHY-4A.
The study of special relativity theory, the old quantum theory, fundamentals of quantum mechanics and basic applications of these theories to the hydrogen atom. 72 hours lecture.

PHY-10 - Introduction to General Physics  3 units
UC*, CSU
Prerequisite: MAT-52.
A non-science major physics course covering mechanics, properties of matter, heat, sound, light, electricity and magnetism, and nuclear physics. 54 hours lecture.

PHY-11 - Physics Lab  1 unit
UC, CSU
Prerequisite: None.
Corequisite: Concurrent enrollment in or prior completion of PHY-10.
An optional laboratory science course for the non-science major. Emphasis on laboratory techniques, student experimentation, and laboratory demonstrations. 54 hours laboratory.

PHYSIOLOGY AND ANATOMY
See ANATOMY AND PHYSIOLOGY

POLITICAL SCIENCE

POL-1 - American Politics  3 units
UC, CSU (C-ID POLS 110)
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

POL-1H - Honors American Politics  3 units
UC, CSU (C-ID POLS 110)
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
Limitation on enrollment: Enrollment in the Honors Program.
This course addresses the principles, institutions and critical issues of American politics, with emphasis placed on the national government. Specifically, the course offers an enhanced exploration of the philosophic and ideological sources of the American political system and its political culture, political parties and electoral system as well as political interest groups, mass movements, public policy, the media, the judicial system, and California state and local government. The honors course offers an enriched educational experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher-order critical thinking skills. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

POL-2 - Comparative Politics  3 units
UC, CSU (C-ID POLS 130)
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
A comparative study of selected European, Asian, African, Latin American, and Middle Eastern political systems. Concerned with broadening and deepening the student’s understanding of the nature and variety of political systems. Course topics will include a study of institutions, issues, and policies of various countries. Students may not receive credit for both POL-2 and POL-2H. 54 hours lecture.

POL-2H - Honors Comparative Politics  3 units
UC, CSU (C-ID POLS 130)
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
Limitation on enrollment: Enrollment in the Honors Program.
A comparative study of selected European, Asian, African, Latin American, and Middle Eastern political systems. Concerned with broadening and deepening the student’s understanding of the nature and variety of political systems. Course topics will include a study of institutions, issues, and policies of various countries. The honors course offers an enriched educational experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher-order critical thinking skills. Students may not receive credit for both POL-2 and POL-2H. 54 hours lecture.

POL-3 - Introduction to Politics  3 units
UC, CSU (C-ID POLS 150)
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
An introduction to Political Science as a field of study and to the major concepts, theories, methods, and issues common to the study of Political Science. The course will include introductions to the sub-fields of American Government, Comparative Politics, International Relations, Political Economy, Political Theory as well as to methods of political science research. 54 hours lecture.
POL-4 - Introduction to World Politics 3 units
UC, CSU (C-ID POLS 140)
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
A study of the theories, paradigms, and issues of global politics. Special attention is given to the role of the United States in the international community, the role of international organizations and international political economy. Students may not receive credit for both POL-4 and POL-4H. 54 hours lecture.

POL-4H - Honors Introduction to World Politics 3 units
UC, CSU (C-ID POLS 140)
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
Limitation on enrollment: Enrollment in the Honors Program.
A study of the theories, paradigms, and issues of global politics. Special attention is given to the role of the United States in the international community, the role of international organizations and international political economy. This honors course offers an enriched experience for accelerated students by means of limited class size, seminar format, student-generated and –led discussions and projects, a focus on primary texts in translation, and the applications of higher-level thinking and writing skills—analysis, synthesis and evaluation. Students may not receive credit for both POL-4 and POL-4H. 54 hours lecture.

POL-5 - The Law and Politics 3 units
UC, CSU
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
The principles and problems of the constitution are examined, with emphasis on how the constitution impacts public policy. Also, the course looks at the constitutional considerations affecting civil rights and liberties. 54 hours lecture.

POL-6 - Introduction to Political Economy 3 units
(Same as ECO-6)
UC, CSU
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
This course will examine the historical, structural, and cultural elements in the development of international political economy. Topics covered will include the relation of politics and economics on development, globalization, national institutions, social groups and classes, and democracy. 54 hours lecture.

POL-7ABCD - Current Political Issues 3 units
CSU
Prerequisite: None. Sections may be taken in any sequence.
Advisory: Qualification for ENG-1A.
Current political issues are designed to provide students the opportunity to examine major national and global issues which are not fully covered in the regular department curriculum. Topics selected are defined as current critical issues facing our nation and globe and will vary with each course offering. Each issue will be covered in detail, as will potential solutions to each issue and the political bodies involved in attempting resolution. 54 hours lecture.

POL-8 - Introduction to Public Administration and Policy Development 3 units
UC, CSU
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
This course is designed as an introduction to the processes of policy formation and implementation. Public administration, decision making in the public bureaucracy, and administrative tasks are discussed. In addition to the politics of administrative organizations, personnel management, budget administration, public relations, and government service as a career are discussed. Practicing public administrators will be featured as guest speakers. 54 hours lecture.

POL-10ABCD - International Organizations 3 units
CSU
Prerequisite: None.
Advisory: Qualification for ENG-1A.
The course will examine the development and impact of International Organizations. Particular emphasis will be placed upon and understanding of the United Nations. Students will prepare for participation in Model United Nations Conferences, which are voluntary. Subsequent enrollment in sections BCD will provide the student an opportunity for additional skill and competency development within the subject matter. 54 hours lecture.

POL-11 - Political Theory 3 units
UC, CSU
Prerequisite: None.
Advisory: REA-83 and qualification for ENG-1A.
This course will examine the major contributions of political thinkers from Socrates to the present. Political concepts such as democracy, the rule of law, justice, natural rights, sovereignty, citizenship, power, the state, revolution, liberty, reason, materialism, toleration, and the place of religion in society and politics are traced from their origins, through their development and changing patterns, to show how they influence political thinking and institutions today. 54 hours lecture.

POL-12 - State and Local Politics 3 units
CSU
Prerequisite: None.
Advisory: Qualification for ENG-1A.
The goal of this course is to acquaint students with the history and theories of American state and local politics. This course will examine the history of state and local politics in the U.S., with emphasis on California politics. Current political issues such as urban development, fiscal policies, race, gender and class politics, state and local political leaders, civil rights and civil liberties will be discussed. 54 hours lecture.
POL-13 - Introduction to American Foreign Policy  
3 units 
UC, CSU

Prerequisite: None.
Advisory: Qualification for ENG-1A.
The goal of this course is to provide students with comprehensive and critical coverage of U.S. foreign policy since World War II. Through a coherent chronological narrative, the course traces the evolution of U.S. foreign policy from its assumption of world leadership during and after World War II to its present concerns with sprouting democracies, a militarized policy, global economic and political interdependence. 54 hours lecture.

POL-14 - Internship in Political Science  
3 units 
CSU

Prerequisite: None.
Advisory: Qualification for ENG-1A.
This course will examine the process of decision making in the public arena of local, state, and national politics. Policy development, public administration and the bureaucratic implementation of policy will be analyzed. The student will be assigned to work 90 hours in a political or public administrative state or local office as the internship component of this course. 27 hours lecture and 90 hours volunteer internship required.

PSY-1 - General Psychology  
3 units 
UC, CSU (C-ID PSY 110)

Prerequisite: None.
Historical and philosophical antecedents of contemporary psychology: the scientific study of behavior and mental processes as systemized in learning, motivation, emotion, personality, intelligence, and thought. 54 hours lecture.

PSY-2 - Biological Psychology  
3 units 
UC, CSU (C-ID PSY 150)

Prerequisite: PSY-1.
The scientific study of brain-behavior relationships and mental processes. Issues addressed include: historical scientific contributions and current research principles for studying brain-behavior associations and mental processes, basic nervous system structure and function, sensory and motor systems, emotion, motivation, learning and memory, sleep and dreaming, and neurological and mental disorders. Ethical standards for human and animal research are discussed in the context of both invasive and non-invasive experimental investigations. 54 hours lecture.

PSY-3 - Abnormal Psychology  
3 units 
UC, CSU (C-ID PSY 120)

Prerequisite: None.
Survey of historical and contemporary approaches to diagnosing, understanding and treating major forms of psychological disorder including: anxieties, fears, obsessions, psychoses, sexual and personality disorders, disorders of childhood and adolescence. 54 hours lecture.

PSY-50 - Research Methods in Psychology  
4 units 
UC, CSU (C-ID PSY 205B)

Prerequisite: PSY-1 and MAT-12/12H.
This course introduces students to psychological research methods with emphasis on the use of the scientific method. The laboratory will complement the lectures and allow each student to design and conduct behavioral research, including collecting and analyzing research data. 63 hours lecture and 27 hours laboratory.
READING

REA-2 - Rapid Reading 2 units
CSU
Prerequisite: None.
Designed for readers with good vocabulary skills who are interested in increasing reading speed. A qualifying placement level is recommended. Students practice utilizing a variety of rapid reading methods and comprehension-building techniques, including computer assisted instruction. 36 hours lecture. (Letter Grade, or Pass/No Pass option.)

REA-3 - Reading for Academic Success 3 units
CSU
Prerequisite: None.
Advisory: Qualification for ENG-1A.
Intended to provide students with a review and study of reading skills at the college level. Students will receive instruction in fundamental, academic and discipline-specific reading skills. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

REA-4 - Critical Reading as Critical Thinking 3 units
CSU
Prerequisite: None.
This course is intended for students to fully understand the relationship between critical reading and critical thinking. Emphasis will be placed on the development of reading skills in the interpretation, analysis, criticism, and advocacy of ideas encountered in academic reading. 54 hours lecture.

REA-81 - Foundations for College Reading 3.5 units
Prerequisite: None.
Intended for students in need of basic remediation. Instruction in basic reading skills, along with individually prescribed practice work in which a wide range of material will be utilized. 54 hours lecture and 36 hours laboratory. (Non-degree credit course. Letter Grade, or Pass/No Pass option.)

REA-82 - College Reading and Strategies 3.5 units
Prerequisite: REA-81 or qualifying placement level.
Intended for students who experience significant difficulty in reading college-level materials. Instruction in reading skills at a less basic level than that required in REA-81, along with individually prescribed practice work, in which a wide range of materials will be utilized. 54 hours lecture and 36 hours laboratory. (Non-degree credit course. Letter Grade, or Pass/No Pass option.)

REA-83 - College Reading and Thinking 3 units
Prerequisite: REA-82 or ESL-73 or qualifying placement level.
Intended for students who experience moderate difficulty in reading college-level material. Instruction in reading skills at a more advanced level than those covered in REA-82. 54 hours lecture. (Non-degree credit course. Letter Grade, or Pass/No Pass option.)

REA-86 - Reading Strategies for Textbooks 1 unit
Prerequisite: None.
This course is intended for students currently enrolled in a lecture class where the curriculum and instruction depends on extensive textbook readings. Students will receive instruction on using different reading comprehension strategies designed for better understanding and retention of textbook material. 18 hours lecture. (Non-degree credit course. Pass/No Pass only.)

REA-87 - Reading Clinic .5 unit
Prerequisite: None.
This self-paced course provides practice on individually prescribed learning plans designed to improve and develop reading skills. Instruction is provided on an individualized basis through conferences with the student. 27 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

REA-95 - Special Topics in Reading .5 unit
Prerequisite: None.
Designed to introduce students to a variety of basic activities that expand strategies and techniques for developing reading comprehension. Students improve comprehension skills by questioning, surveying, establishing a purpose for reading and changing speeds in relation to difficulty and content. 9 hours lecture. (Non-degree credit course. Pass/No Pass only.)

REAL ESTATE

RLE-80 - Real Estate Principles 3 units
CSU
Prerequisite: None.
The fundamental real estate course covering the basic laws and principles of California real estate, gives understanding, background, and terminology necessary for specialized courses. Assists those preparing for the real estate sales agent license examination. 54 hours lecture.

RLE-81 - Real Estate Practices 3 units
CSU
Prerequisite: None.
Covers basic laws and principles of California real estate, terminology and daily operations in a real estate brokerage. Includes listing, prospecting, advertising, financing, sales techniques, escrow and ethics. Applies toward state’s educational requirements for the brokers examination. 54 hours lecture.

RLE-82 - Legal Aspects of Real Estate 3 units
CSU
Prerequisite: None.
California real estate law, including rights incident to property ownership and management, agency, contracts, and application to real estate transfer, conveyance, probate proceedings, trust deeds, and foreclosure, as well as recent legislation governing real estate transactions. Applies toward educational requirement of brokers examination. 54 hours lecture.
RLE-83 - Real Estate Finance  3 units
CSU
Prerequisite: None.
Analysis of real estate financing, including lending policies and problems in financing transactions in residential, apartment, commercial, and special purpose properties. Methods of financing properties emphasized. 54 hours lecture.

RLE-84 - Real Estate Appraisal  3 units
CSU
Prerequisite: None.
Purposes of appraisals, the appraisal process, and the different approaches, methods, and techniques used to determine the value of various types of property. Emphasis will be on residential and single-unit properties. 54 hours lecture.

RLE-85 - Real Estate Economics  3 units
CSU
Prerequisite: None.
Trends and factors affecting 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 and special purpose property trends. 54 hours lecture.

RLE-86 - Escrow Procedures I  3 units
CSU
Prerequisite: None.
Methods and techniques of escrow procedure for various types of real estate transactions, including the legal/ethical responsibilities engaged in escrow work. 54 hours lecture.

RLE-200 - Real Estate Work Experience  1-2-3-4 units
CSU*
Prerequisite: None.
Advisory: Students should have paid or voluntary employment.
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

RUS-1 - Russian 1  5 units
UC*, CSU
Prerequisite: None.
This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Russian at the beginning level. This course includes discussion of Russian culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

RUS-2 - Russian 2  5 units
UC, CSU
Prerequisite: RUS-1.
Further development of basic skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Russian at the beginning level. This course includes expanded discussion of Russian culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

RUS-3 - Russian 3  5 units
UC, CSU
Prerequisite: RUS-2.
Development of intermediate skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Russian at the intermediate level. This course includes an expanded discussion of Russian culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

RUS-11 - Culture and Civilization  3 units
UC, CSU
Prerequisite: None.
Introductory survey of Russian culture and civilization as reflected in language, literature, art, history, politics, customs and social institutions. Class conducted in English. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
SOC-1 - Introduction to Sociology 3 units
UC, CSU (C-ID SOCI 110)
Prerequisite: None.
Advisory: ENG-50.
An introduction to the basic concepts relating to the study of society. The course includes investigation into the foundations of sociology including its overall perspective, theoretical orientations, and research methodology; the foundations of social life including the components of culture, social interaction and the process of socialization, groups, organizations, and deviance; economic social inequality based upon class, race, sex, and age; social institutions; and dimensions of social change. Students may not receive credit for both SOC-1 and SOC-1H. 54 hours lecture.

SOC-1H - Honors Introduction to Sociology 3 units
UC, CSU (C-ID SOCI 110)
Prerequisite: None.
Limitation on enrollment: Enrollment in the Honors Program.
An honors level introduction to the basic concepts relating to the study of social behavior and human groups. This honors level course includes investigation into the foundations of sociology including theoretical perspectives, research methodology, and the components of social structure. Social interaction, culture, and social inequality (including, but not limited to, race, gender, sex, and social class), and dimensions of social change will be examined. Students may not receive credit for both SOC-1 and SOC-1H. 54 hours lecture.

SOC-2 - American Social Problems 3 units
UC, CSU (C-ID SOCI 115)
Prerequisite: None.
Identification and analysis of major social problems confronting 20th century America; emphasizing, among other topics, urban and rural transformations; family life; minorities; criminal and delinquent behavior. 54 hours lecture.

SOC-3 - Social Inequality 3 units
UC, CSU
Prerequisite: None.
This course introduces students to the extent of inequality in its various forms in American Society, the consequences of inequality for individual life chances and society as a whole, the theoretical explanations given for the existence of inequality, and to the persistence of inequality and poverty. 54 hours lecture.

SOC-10 - Race and Ethnic Relations 3 units
UC, CSU (C-ID SOCI 150)
Prerequisite: None.
An introduction to the relevant theories and operational definitions that ground the study of race and ethnic relations in the social sciences. Extensive treatment of prejudice, discrimination, and the concept of racism. The course brings into sharper focus the history and contemporary status of White-ethics, religious minorities, American Indians, Afro-Americans, Hispanic-Americans, Asian-Americans, Jewish-Americans, and women in the United States. Social institutions such as family, education, politics, and the economy receive special attention for each group. The similarities and differences in ethnic hostilities between the United States and other societies are closely examined. 54 hours lecture.

SOC-12 - Marriage and Family Relations 3 units
UC, CSU (C-ID SOCI 130)
Prerequisite: None.
Advisory: SOC-1 and ENG-50.
Examines the major trends in marriage, families, and intimate relationships. Focuses on how inequality and diversity affect intimate and family relations. Discusses the dynamics of gender inequality among families and couples and how family life is shaped by race and ethnicity, social class, and sexuality. Discusses issues of interpersonal violence, divorce, and life in later years. 54 hours lecture.

SOC-15 - Women in American Society 3 units
UC, CSU
Prerequisite: None.
The role of American women emphasizing the social implications of the women’s movement and including the historical, political and economic roots of women’s problems. 54 hours lecture.

SOC-17 - Introduction to Public Mental Health 3 units
(Same as HMS-17)
CSU
Prerequisite: None.
Introductory course for students interested in public mental health. An overview of the history of public mental health, the types and functions of agencies, practices, careers, professional ethics, current trends and issues is provided. 54 hours lecture.

SOC-20 - Introduction to Criminology 3 units
UC, CSU (C-ID SOCI 160)
Prerequisite: None.
An introduction to the fundamentals of criminology. Including surveys of the theories of crime, statistical procedures and research methodology, types of crimes, criminal etiology, the origins and features of criminal law, the police, courts, and corrections. An analysis of the interrelations between social organization, the perceptions of social harm, and the dynamics of social control. 54 hours lecture.
SOC-22 - American Deaf Culture  
(Same as AML-22)  
CSU  
Prerequisite: None.  
An introduction to culture and values of Deaf people in North America as reflected in language, literature, art, history, political and social events. Class conducted in American Sign Language with English translation. 54 hours lecture.

SOC-23 - Special Studies in Culture  
CSU  
Prerequisite: None.  
This course is designed to introduce students to the scientific study of the elements of society by comparing American society with other societies and cultures. There will be a focus on developing a sociological imagination by comparing and contrast ing distinctly different cultures by examining their values, norms, and behaviors during an RCC study abroad program. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)

SOC-25 - Introduction to the Sociology of Sex and Gender  
UC, CSU (C-ID SOCI 140)  
Prerequisite: None.  
The social scientific study of sex and gender as it applies to human group behavior and social structures. Both a macro and micro level of analysis will be used to examine the effects of sex and gender in, but not limited to, the family, economic structures, politics, education, legal systems, and religion. 54 hours lecture.

SOC-50 - Introduction to Social Research Methods  
UC, CSU (C-ID SOCI 120)  
Prerequisite: SOC-1.  
Examination of the fundamental elements of empirical research and the ways sociologists think critically, including attention to the nature of theory, hypothesis, variables and ethics of research. Application of qualitative and quantitative analytic tools including logic and research design, such as experimental, survey, observational, comparative historical research and case studies. 54 hours lecture.

SPANISH  

SPA-1 - Spanish 1  
UC*, CSU (C-ID SPAN 100)  
Prerequisite: None.  
Advisory: Completion of placement test to assess level of proficiency in Spanish.  
This course concentrates on developing basic skills in listening, reading, speaking, and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. Students may receive credit for only one of the following: SPA-1, SPA-1H, or SPA-1A and 1B. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

SPA-1A - Spanish 1A  
UC*, CSU  
Prerequisite: None.  
This course concentrates on developing basic skills in listening, reading, speaking, and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. SPA-1A is equivalent to the first half of SPA-1. Students may receive credit for only one of the following: SPA-1 or SPA-1H or SPA-1A and 1B. 45 hours lecture and 9 hours laboratory. (Letter Grade, or Pass/No Pass option.)

SPA-1B - Spanish 1B  
UC*, CSU  
Prerequisite: SPA-1A.  
This course concentrates on developing basic skills in listening, reading, speaking, and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. SPA-1B is equivalent to the second half of SPA-1. Students may receive credit for only one of the following: SPA-1 or SPA-1H or SPA-1A and 1B. 45 hours lecture and 9 hours laboratory. (Letter Grade, or Pass/No Pass option.)
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>UC, CSU (C-ID)</th>
<th>Prerequisite</th>
<th>Description</th>
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</thead>
</table>
| SPA-1H      | Honors Spanish I                                | 5       | UC, CSU (C-ID) | None.                                             | Advisory: Completion of placement test to assess level of proficiency in Spanish.  
Limitation on enrollment: Enrollment in the Honors Program.  
This course concentrates on developing basic skills in listening, reading, speaking, and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. This honors course offers an enriched experience for accelerated students through limited class size, a seminar format, the reading of level-appropriate adapted Hispanic works and cultural studies, and the application of higher level critical thinking skills. Students may receive credit for only one of the following: SPA-1 or SPA-1H or SPA-1A and 1B. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.) |
<p>| SPA-2       | Spanish 2                                        | 5       | UC, CSU (C-ID) | SPA-1, 1H, or 1B qualifying placement level on the Spanish assessment test or the equivalent. | Further development of basic skills in listening, reading, speaking, and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the beginning level. This course includes expanded discussion of Hispanic culture and daily life. Students may not receive credit for both SPA-2 and SPA-2H. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.) |
| SPA-3       | Spanish 3                                        | 5       | UC, CSU (C-ID) | SPA-2 or 2H qualifying placement level on the Spanish assessment test or the equivalent. | Development of intermediate skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the intermediate level. This course includes an expanded discussion of Hispanic culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.) |
| SPA-3N      | Spanish for Spanish Speakers                    | 5       | UC*, CSU (C-ID) | SPA-2, 2H or qualifying placement level on the Spanish assessment test or the equivalent. | Enrichment and formalization of speaking, reading and writing skills in Spanish. Emphasis on vocabulary expansion, awareness of standard versus non-standard lexicon, introduction to various Spanish dialects. Intense review of grammar and linguistic terminology necessary to expand and enrich language skills. Introduction to diverse literary materials, writing styles and composition techniques. Intensive survey of Latino culture in the United States and in the Spanish-speaking world. Designed for students with near-native fluency, having acquired the language in a non-academic environment, and having received minimal or no formal instruction in Spanish. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.) |
| SPA-4       | Spanish 4                                        | 5       | UC, CSU (C-ID) | SPA-3 or 3N or qualifying placement level on the Spanish assessment test or the equivalent. | Further development of intermediate skills in listening, reading, speaking and writing. A review of the vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the intermediate level. Enhancement of basic Spanish language skills though the reading of authentic literary and factual texts. This course includes an expanded discussion of Hispanic culture and daily life. 90 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.) |
| SPA-8       | Intermediate Conversation                       | 3       | UC, CSU        | SPA-2, 2H, 3, 3N or 4.                            | Intermediate-level vocabulary building and improvement of speaking proficiency in the context of Hispanic culture, daily life and topics of current interest. 54 hours lecture. (Letter Grade, or Pass/No Pass option.) |
| SPA-11      | Spanish Culture and Civilization                | 3       | UC, CSU        | None.                                             | Introductory survey of Spanish culture and civilization as reflected in language, literature, art, history, policies, customs and social institutions. Class conducted in English. 54 hours lecture. (Letter Grade, or Pass/No Pass option.) |
| SPA-12      | Latin American Culture and Civilization         | 3       | UC, CSU        | None.                                             | Introductory survey of Latin American culture and civilization as reflected in language, literature, art, history, policies, customs and social institutions. Class conducted in English. 54 hours lecture. (Letter Grade, or Pass/No Pass option.) |</p>
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<tr>
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<tr>
<td>SPA-13</td>
<td>Spanish for Health Care Professionals</td>
<td>5</td>
<td>None</td>
<td>This course is designed for health care professionals who want to learn basic phrases in Spanish as related to their daily activities. Class conducted in Spanish. 90 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
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<tr>
<td>SPA-51</td>
<td>Introductory Listening Comprehension I</td>
<td>2</td>
<td>None</td>
<td>This course concentrates on developing basic skills in listening to and understanding native spoken Spanish at the elementary level. Emphasis is placed on acquisition of strategies for coping with imperfect comprehension. This course includes an introduction to the multiplicity of Hispanic society and culture on-location scenes. The Listening Comprehension Series, SPA-51, 52 and 53, may be taken independently or as supplements to SPA-1, 2 and 3. 36 hours lecture. (Letter Grade or Pass/No Pass option.)</td>
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<tr>
<td>SPA-52</td>
<td>Introductory Listening Comprehension II</td>
<td>2</td>
<td>SPA-1, 1H, 1B, or 51</td>
<td>This course continues the development of basic skills in listening to and understanding native spoken Spanish at the elementary level. Emphasis is placed on acquisition of strategies for coping with imperfect comprehension. This course includes an introduction to the multiplicity of Hispanic society and culture on-location scenes. The Listening Comprehension Series, SPA-51, 52, and 53, may be taken independently or as supplements to SPA-1, 2, and 3. 36 hours lecture. (Letter Grade or Pass/No Pass option.)</td>
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<tr>
<td>SPA-53</td>
<td>Intermediate Listening Comprehension I</td>
<td>2</td>
<td>SPA-2, 2H, or 52</td>
<td>This course begins the development of intermediate skills in listening to and understanding native spoken Spanish at the elementary level. Emphasis is placed on the acquisition of strategies for coping with imperfect comprehension. This course includes an expanded introduction to the multiplicity of Hispanic society and culture in on-location scenes. The Listening Comprehension Series, SPA-51, 52, and 53, may be taken independently or as supplements to SPA-1, 2, and 3. 36 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
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</tbody>
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THE-9 - Dramatic Literature-Script Analysis 3 units
UC, CSU
Prerequisite: None.
A survey of dramatic literature in a variety of genres and styles including appraisal of modern theatrical movements and the fundamental techniques of script analysis, including structure, genre, style, theme, character, and language. Emphasis on cultural significance and historic perspective and how dramatic literature conveys meaning to the theatre artist and audience as a distinctive art form. 54 hours lecture.

THE-25 - Makeup for the Stage 3 units
UC, CSU (C-ID THTR 175)
Prerequisite: None.
This course is an exploration of the creative and practical aspects of theatrical makeup design, where students will experience techniques of makeup application, painterly techniques and three-dimensional techniques in relation to production and performance. 18 hours lecture and 108 hours laboratory.

THE-26 - Directing for Stage 3 units
UC, CSU
Prerequisite: None.
Advisory: THE-32 or 33 or 37.
An introduction to the role of the director in modern theatrical production. This course is a study of the director’s interpretation of dramatic literature, with emphasis on the communication of intellectual and emotional concepts through composition, visualization, picturization, movement and rhythm. Trains potential theatre directors in script analysis, book preparation, production management and working with actors, with an emphasis on practical experience in directing through class projects and public performance. 45 hours lecture and 27 hours laboratory.

THE-29 - Musical Theater Appreciation 3 units
UC, CSU
Prerequisite: None.
A study of the history and literature of the genre of musicals from 19 century to present day. Emphasis will be placed on the stylistic distinctions of the musical and the contribution of individual composers, librettists, lyricists, choreographers, directors and designers to the genre of musical theatre. Students will study the genre’s social and cultural significance as a separate and distinctive art form. 54 hours lecture.

THE-30 - Voice and Movement for the Stage 2 units
UC, CSU
Prerequisite: None.
Theory, principles and techniques of voice and movement needed for the actor to perform on stage: including stage movement, alignment, voice production, breathing, diction, accents, flexibility, projection and voice care. 18 hours lecture and 54 hours laboratory.

THE-32 - Acting Fundamentals-Theater Games and Exercises 3 units
UC, CSU (C-ID THTR 151)
Prerequisite: None.
Foundation training for actors through theater games and improvisational exercises for developing expressive freedom, creativity, relaxation, sensory awareness and concentration. Development and preparation of the actor’s instrument: voice, speech, body and imagination. Beginning of relationship and motivation. 36 hours lecture and 54 hours laboratory.

THE-33 - Scene Acting: Creating a Role 3 units
UC, CSU (C-ID THTR 152)
Prerequisite: THE-32.
Fundamentals of creating a role through beginning scene study and monologues with emphasis in modern realism. Building of character through text analysis and practical applications such as use of body, voice and imagination. Continued development of actor’s body through exercises. Advanced work in motivation, relationships and emotional discovery and release. 36 hours lecture and 54 hours laboratory.

THE-34 - Scene Study in Various Theatrical Styles 3 units
UC, CSU
Prerequisite: THE-32.
Advanced scene study with emphasis on a variety of theatrical styles, excluding classical verse. Advanced development of the emotional and character range of the actor. Development of the actor’s artistic sense and presentation with regard to text, environment, actions and choices. Public performance required. 36 hours lecture and 54 hours laboratory.

THE-35 - Classical Acting with Emphasis in Shakespearean Verse 3 units
UC, CSU
Prerequisite: THE-32.
Development of techniques for performing classical verse with an emphasis in Shakespearean texts. Special emphasis on actor’s physical instrument, voice, speech and body, to handle demands of elevated verse. Analysis and thematic aspects of Shakespeare and elevated verse, especially meter, rhythm, structure, imagery, antithesis, word games, patterns, stressing and inflections. Practical applications through scene and monologue work. 36 hours lecture and 54 hours laboratory.

THE-36 - Improvisational Acting 3 units
UC, CSU
Prerequisite: THE-32.
Advanced principles and techniques of improvisational acting designed to increase creativity, problem solving and performance skills. Students will develop the ability to work in short and long form, dramatic and comedic, pantomime skills, group work, spontaneity, offers, narrative, characterization and endowments. Public performance required. 36 hours lecture and 54 hours laboratory.
THE-37 - Musical Theater Techniques 3 units
UC, CSU
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting.
Principles and techniques of the various performance methods and styles involved in performing for the musical theater, including solo and choral singing, dancing and acting. Culminates in public performance. 36 hours lecture and 54 hours laboratory.

THE-38 - Auditioning for the Stage 1 unit
CSU
Prerequisite: None.
Principles and techniques of the various performance methods and styles involved in auditioning for the stage encompassing a variety of theatrical genres. 9 hours lecture and 27 hours laboratory.

THE-39 - Acting for the Camera 3 units
UC, CSU
Prerequisite: None.
Advisory: THE-32.
Principles and techniques of specialized methods and styles involved in acting for the camera culminating in performance on film. This course encompasses the study and exercise in the special techniques of acting for the motion picture and television cameras. Emphasis will be placed on gaining an understanding of the various camera angles, shots, positions and actor behaviors that are unique to acting before a camera. Practical work in front of a camera is required. 45 hours lecture and 27 hours laboratory.

THE-41 - Elementary Stagecraft 3 units
UC, CSU (C-ID THTR 171)
Prerequisite: None.
Advisory: Concurrent enrollment in THE-2 or 4 or 5 or 6.
Basic physical equipment of the theater, including use and safety, elementary set construction, scenic painting, drafting and critical analysis of scenic design for the theater. 36 hours lecture and 54 hours laboratory.

THE-44 - Theatrical Set Design 3 units
UC, CSU (C-ID THTR 172)
Prerequisite: None.
Advisory: Concurrent enrollment in THE-5 or 6 or 41.
The study of the principals, techniques and practices of scenic design and execution for the stage. Includes script analysis in relation to the aesthetic and dramaturgical demands of theatre art in formulating design concepts. Analysis of space, movement, mood, period, style, texture, materials and color to achieve the execution of design concepts through techniques of rendering, model-making, drafting and presentation. Working collaboratively with the director and design staff while maintaining production budget guidelines. 45 hours lecture and 27 hours laboratory.

THE-46 - Theatrical Costume Design 3 units
UC, CSU (C-ID THTR 174)
Prerequisite: None.
Advisory: ART-17 or 40.
The study of the principles, techniques and practices of theatrical costume design for stage, television and film. Includes script and character analysis to achieve characterization through design and working collaboratively with the director and design staff. The choice, use and manipulation of patterns, textiles, jewelry and accessories to imitate the historical needs of the production while maintaining production budget guidelines. Student will be assigned costume crew responsibilities for a theatrical production. 45 hours lecture and 27 hours laboratory.

THE-48 - Theatrical Lighting Design 3 units
UC, CSU (C-ID THTR 173)
Prerequisite: None.
Advisory: THE-5 or 6 or ART-23.
The study and implementation of the principles, techniques and practices of lighting design for the stage. Includes training in the creative concepts of lighting design, how to create a light plot, hang the lighting instruments for a show, as well as the practical use and operation of lighting equipment used to execute the design. Students will also be trained in industry safety standards that will prepare the student for work in the industry. Student will be assigned lighting crew responsibilities for a theatrical production. 45 hours lecture and 27 hours laboratory.

THE-49 - Scenic Painting for the Theater 3 units
UC, CSU
Prerequisite: None.
Advisory: THE-41 or ART-17 or 26.
The study of the principles, techniques and practices of scenic painting for the stage, including historical and present-day methods. This course will include use of brush, roller, spray gun, texturing, rock background, wood graining, wallpaper, masonry, scenic drops and other scene painting techniques. Study of the principles of color and color mixing in paint techniques, as well as the various types of paints used in the theater. 36 hours lecture and 54 hours laboratory.

THE-54 - Introduction to Stage Management 3 units
UC, CSU
Prerequisite: None.
Advisory: Concurrent enrollment in THE-5 or 6.
A comprehensive study of the role of the stage manager in theatrical productions, including the duties, obligations and responsibilities of the stage manager, and the unique role of the stage manager in production coordination. Students will be given stage management responsibilities for a theater department production with concurrent enrollment in either THE-5 or 6. 54 hours lecture.
THE-200 - Theater Arts Work Experience  1-2-3-4 units
CSU*
Prerequisite: None.
Advisory: Students should have paid or voluntary employment.
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolled in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

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WELDING

WEL-15 - Introduction to Basic Shielded Metal Arc Welding  3 units
CSU
Prerequisite: None.
An introductory course in basic shielded metal arc welding, shop and industrial safety, and common metal and materials used in welding. 27 hours lecture and 81 hours laboratory.

WEL-16 - Advanced Shielded Metal Arc Welding  3 units
CSU
Prerequisite: WEL-15.
An advanced course in shielded metal arc welding, shop and industrial safety, and common metal and materials used in the welding industry. 27 hours lecture and 81 hours laboratory.

WEL-25 - Introduction to Oxyacetylene Welding  3 units
CSU
Prerequisite: None.
An introductory course in basic oxyacetylene welding, industrial safety, and common metals and materials used in welding. 27 hours lecture and 81 hours laboratory.

WEL-34 - Metal Joining Processes  2 units
CSU
Prerequisite: None.
An introduction to metal joining processes for engineering and manufacturing technology majors. Techniques and procedures related to design and problem solving will be strongly emphasized. 18 hours lecture and 54 hours laboratory.

WEL-35 - Semi-Automatic Welding  3 units
CSU
Prerequisite: None.
A course in semi-automatic welding processes, with emphasis on Gas-metal-arc-welding, Flux-cored-arc-welding, and Submerged-arc-welding. The course covers the responsibilities of integrating computers and automated manufacturing with high-tech joining processes. 27 hours lecture and 81 hours laboratory.

WEL-55A - Gas Tungsten Arc Welding-Plate  3 units
Prerequisite: None.
Theory, practical application and joining techniques used in gas tungsten arc welding (TIG) processes. Emphasis will be placed on welding and joining of high-tech components and composite materials. 27 hours lecture and 81 hours laboratory.

WEL-55B - Gas Tungsten Arc Welding-Exotic Metals  3 units
Prerequisite: None.
Advisory: Completion of or concurrent enrollment in WEL-55A.
Theory, practical application and joining techniques used in gas tungsten arc welding (TIG) processes. Emphasis will be placed on welding and joining of high-tech components and composite materials. 27 hours lecture and 81 hours laboratory.

WEL-60 - Advanced Pipe and Plate Laboratory  2 units
Prerequisite: None.
Limitation on enrollment: Six units of welding or one year of professional welding experience required.
A course designed to advance the competent welder’s knowledge of welding pipe and plate. Research is performed with respect to destructive and nondestructive testing, effects of variable factors on weldments, the weldability of ferrous and nonferrous alloys. 108 hours laboratory.

WEL-61A - American Welding Society/ Los Angeles City Welding I  3 units
Prerequisite: WEL-16.
This course is designed to enhance the competency of advanced students in the various welding processes and techniques. This course will develop the students knowledge in code related subject matter as it pertains to the scope, design, prequalification, and qualification as it relates to the American Welding Society (AWS) welding code. It is designed to prepare students to take the Los Angeles City welding written test. 27 hours lecture and 81 hours laboratory.

WEL-61B - American Welding Society/ Los Angeles City Welding II  3 units
Prerequisite: WEL-16.
This course is designed to enhance the competency of advanced students in the various welding processes and techniques. This course will develop the student’s knowledge in code related subject matter as it pertains to the fabrication, inspection, stud welding, strengthening and repairing of existing structures as it relates to the American Welding Society (AWS) welding code. It is designed to prepare students to take the Los Angeles City welding written test. 27 hours lecture and 81 hours laboratory.

WEL-62 - Blueprint Reading for Welders  2 units
Prerequisite: None.
An introductory course in the study of welding and fabrication blueprints and their interpretation of line types, symbols, abbreviations, and integral parts, the course is designed for students interested in blueprint reading for the welding and fabrication trades. 27 hours of lecture and 27 hours of laboratory.
WEL-200 - Welding Work Experience 1-2-3-4 units  
CSU*  
Prerequisite: None.  
Advisory: Students should have paid or voluntary employment.  
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WXX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

WORK EXPERIENCE  
WXX-200 - Work Experience 1-2-3-4 units  
CSU*  
Prerequisite: None.  
Advisory: Students should have paid or voluntary employment.  
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills, including occupational and educational resources, career planning, resume development and interview techniques. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement; 60 hours of volunteer work or 75 hours of paid work in the semester are required for each unit. WXX-200 is an enrolling course for General Work Experience and Occupational Work Experience courses. Students enrolling in WXX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting. Determination of the appropriate work experience course is made by the instructor, with input from the student, based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience or 75 hours of paid work experience are required for each enrolled unit.

WKX-201 - General Work Experience 1-2-3 units  
CSU*  
Prerequisite: None.  
Advisory: Students should have paid or voluntary employment.  
This course is designed to coordinate the student’s occupational on-the-job training with related instruction in work-related skills, including occupational and educational resources, career planning, resume development and interview techniques. Students may earn up to three (3) units each semester for two (2) semesters for a maximum of 6 units of work experience. No more than 20 hours per week may be applied toward the work requirement; 60 hours of volunteer work or 75 hours of paid work in the semester are required for each unit. 18 hours orientation and 60 hours of volunteer work experience or 75 hours of paid work experience are required for each enrolled unit.

ZOOLGY
See BIOLOGY 2A, 2B
NON-CREDIT COURSES
Non-credit courses are one of several educational options offered by community colleges. They offer students access to a variety of low and no-cost courses that do not carry any unit value, but can help students in reaching personal and professional goals. They provide lifelong learning, career preparation opportunities, and skill remediation, development or proficiency. They can serve as an “educational gateway” for students who want to improve their earning power, literacy skills or access to higher education. Non-credit courses are approved by the district Curriculum Committee, the Board of Trustees and the state Chancellor’s Office.

COSMETOLOGY
COS-801 - Level VI Cosmetology Concepts 0 units
Prerequisite: COS-60E or 60E2.
This class is designed for the student who has not acquired all the skills and/or accrued the required total of 1600 hours to sit for the state licensing exam. Students work solely under the supervision of a qualified instructor in a laboratory setting. In the course, students may review applications and techniques and improve subject matter knowledge. Students may perform operations and applications such as chemical hair treatments, manicuring, and facials and/or receive instructor in salon management or employment skills. Student work is evaluated by an instructor. Students may take up to 100 hours of laboratory.

COS-811 - Cosmetology Teacher Training 0 units
Prerequisite: None.
Limitation on enrollment: Completion of COS-61B.
This course is designed for the experienced cosmetologist to become a qualified instructor. When a student has not acquired all the skills and/or accrued the required total of 600 hours to qualify for the local teacher-training certificate, they may enroll in COS-811. Students work solely under the supervision of a qualified instructor in a laboratory setting. In the course, students may review applications and techniques and improve subject matter knowledge. Students may perform operations and applications such as assisting the instructor with laboratory work for student demo haircutting, chemical relaxing, press and curl manicuring and/or receive instructor in-classroom management or employment skills. Student work is evaluated by an instructor. Students may take up to 300 hours of laboratory.

COS-812 - Level II Esthetician Concepts 0 units
Prerequisite: None.
Limitation on enrollment: Completion of COS-62B.
This course is designed to prepare the student for a career in skin care and make-up. When a student has not completed all the skills and/or accrued the required total of 600 hours to sit for the state licensing exam, they may enroll in COS-812. Students work solely under the supervision of a qualified instructor. In this course, students may review application and techniques and improve subject matter knowledge. Students may perform operations and applications such as eyebrow arching and hair removal (wax, tweezer and depilatories), corrective make-up, application of artificial eyelashes (strip and individual), facials and/or receive instruction in salon management or employment skills. Student work is evaluated by an instructor. Students may take up to 100 hours of laboratory.

ENGLISH
ENG-885 - Writing Clinic 0 units
Prerequisite: None.
Intended for students who need concentrated attention in various areas of grammar, punctuation, and composition. Self-paced, open-entry/open-exit, with no traditional lecture-based component. Instead, it requires students to do the majority of their coursework independently. Each student follows a sequential series of modules based on his or her diagnosis. Students meet with their instructor in the Writing and Reading Center for the pre-and post-test and as needed for one-on-one instruction or small group study for the duration of the students’ enrollment in the course. May be taken a total of four times. 27 hours laboratory.

ENGLISH AS A SECOND LANGUAGE
ESL-801 - ESL Support for Career and Technical Programs 0 units
Prerequisite: None.
Advisory: Qualification for ESL 53.
This course, designed for multi-lingual students whose primary language is not English, is intended for students currently enrolled in an entry-level vocational class. Students will receive instruction including writing, reading, speaking, vocabulary building and test taking skills designed to help them succeed in the content area course. Subsequent enrollment in an additional semester will provide the student with an opportunity for continued skills and competency development within the level and subject matter. May be taken a total of eight times. 36 hours lecture. (Non-credit course. Pass/No Pass only.)

GUIDANCE
GUI-801 - Testing for Success CAHSEE Preparation 0 units
Prerequisite: None.
Course is intended to give students a review of study skills and time management strategies in preparation for the California High School Exit Examination (CAHSEE). This course may be taken multiple times. 10 hours lecture. There is no mandatory laboratory hour requirement. (Materials fee: $16.00)
INTERDISCIPLINARY STUDIES

ILA-800 - Supervised Tutoring 0 units
Prerequisite: None.
Co-Requisite): Student must be enrolled in at least one other non-tutoring course.
Limitation on enrollment: Student must be referred by an instructor or a counselor.
This self-paced open-entry/open-exit course provides supervised tutoring, study skills development, and assistance in understanding college course assignments. Students receive individualized tutoring and small group instruction outside of class time in the Learning Center, which is designed to help achieve specific course objectives related to college courses and/or to improve learning and study skills in specific subject matter. Content varies according to the course for which tutoring is sought. 216 hours laboratory. May be taken a total of twelve times. (Non-degree, non-credit course.)

READING

REA-887 - Reading Clinic 0 units
Prerequisite: None.
This self-paced course provides practice on individually prescribed learning plans designed to improve and develop reading skills. Instruction is provided on an individualized basis through conferences with the student. Subsequent enrollment in the course will provide the student further opportunities for additional skill and competency development within the subject matter. May be taken a total of four times. 27 hours laboratory.

SENIOR CITIZEN EDUCATION

For information about Senior Citizen Education courses, contact the Young @Heart Program. The telephone number is (951) 328-3811.

SCE-804 - Senior Topics 0 units
Prerequisite: None.
This course will encourage students 55 years and older to develop a sense of personal empowerment through continued learning and self-awareness of the knowledge, experience, understanding and wisdom attained in later adulthood. Students will learn communication and listening skills as they participate in various discussions of special interest and have an opportunity to review and discuss books, biographies, film, theatre, music and news items while experiencing intellectual excitement and the pleasure of camaraderie during class sessions. Students would provide their own entrance fees to any events planned. 24 hours lecture; Positive Attendance.

SCE-805 - Creative Writing for Older Adults 0 units
Prerequisite: None.
This course for adults 55 years and older teaches students how to create and shape autobiographies, fiction and non-fiction writing and poetry into readable and publishable form. The course will provide an encouraging and welcoming social environment as well as a means of capturing the well-written works from an older generation. 24 hours laboratory; Positive Attendance.

SCE-809 - Computer Basics for Older Adults 0 units
Prerequisite: None.
This course is designed to teach students 55 years and older the basics of home computer use, including terminology, components, basic Windows functions, accessory programs, word processing and spreadsheet programs as well as skills in accessing and using the Internet. 16 hours laboratory; Positive Attendance.

SCE-810 - Photography as Therapy for Older Adults 0 units
Prerequisite: None.
In this course, students 55 years and older will use their own 35mm and digital cameras as they learn the theory and application of basic photographic skills needed to consistently take high quality photographs under a variety of shooting conditions. Students will be responsible for processing their own photographs. Socialization and working as a group will be an important part of this course. Students will be taught in a progressive systematic manner. 28 hours laboratory; Positive Attendance.

SCE-811 - Drawing and Painting for Older Adults 0 units
Prerequisite: None.
This course is designed for students 55 years and older, and will include a potpourri of drawing, illustration, painting, mixed media and basic design components. Individual classes will have one or more emphases and will focus on the development and/or enhancement of mental acuity, fine motor skills, creativity and art appreciation in a welcoming social environment. Classes may include creative interpretation of subjects from life, landscape and imagination, basic exploration of design elements and principles, composition, observation skills, perspective on art appreciation and history and methods of conserving and displaying completed works. Socialization and interaction will be an important part of this class. Students will be taught in a progressive systematic manner. Students will provide their own materials and supplies. 24 hours laboratory; Positive Attendance.

SCE-813 - Healthy Aging for Older Adults 0 units
Prerequisite: None.
Students 55 years and older are provided practical information regarding healthy aging including diet, nutrition, disease prevention, fall prevention and application of principles focusing on maintaining good health as they age. Course is designed to make the tasks of daily living positive. 13 hours lecture and 11 hours laboratory; Positive Attendance.

SCE-820 - Music for Active Seniors 0 units
Prerequisite: None.
Focuses on listening to, participating in and learning the history of music deemed to be of interest to older adults. Includes live instrumental and vocal presentations; instruction on composers, song stories; and backgrounds and musical styles from approximately 1900 forward. Designed for students 55 years and older who are able to be active, mobile participants. 30 hours laboratory; Positive Attendance.
SCE-821 - Music Therapy for Frail Seniors 0 units
Prerequisite: None.
Focuses on listening to, participating in and learning the history of music deemed to be of interest to seniors. Course includes live piano or other instruments and vocal presentations and instruction on composers, song stories, backgrounds and musical styles from approximately 1900 forward. This course is designed for students 55 years and older who might live in assisted living environments. 30 hours laboratory; Positive Attendance.

SCE-824 - Successful Money Management 0 units
Prerequisite: None.
This course will introduce students to the key concepts and practices of wise money management, including how to minimize taxes, maximize your investment returns and plan for your future. Students will develop a personal money management plan suitable to their individual income and financial objectives. 10 hours laboratory; Positive Attendance.

SCE-830 - Mature Driver Improvement 0 units
Prerequisite: None.
Advisory: Students must possess a valid California Driver’s License and be prepared to pay a nominal fee (currently $1.00) for the DMV Certificate.
This course is designed to update the driving skills of students 55 years and older. Curriculum is provided by the State of California DMV to help older drivers become more defensive, more alert to their surroundings as they drive and to familiarize them with new traffic laws. DMV requires that the course be 8 hours long and be open to a maximum of 30 students. Students will pay a nominal fee for the DMV Certificate of Completion. 8 hours laboratory. Positive Attendance.

SCE-833 - Health Wellness and Nutrition 0 units
for Older Adults
Prerequisite: None.
Adults 55 years and older will learn practical information about nutrition and dietary needs for older adults. Topics can include general health, nutrition, consumer awareness, market trends/dietary fads, healthy food preparation and safety. Emphasis will be placed on nutrition and the role it plays throughout the aging process. 24 hours laboratory; Positive Attendance.

SCE-834 - Weight Management for Older Adults 0 units
Prerequisite: None.
This course is designed for older adults who desire to lose between 5 and 40 pounds. Emphasis is placed on developing nutritionally sound eating habits to reduce weight by 1-2 pounds per week. The course examines a variety of issues involved with successful weight management including: exercise, stress management, strategies for restaurant dining, evaluation of fad diets, building confidence and changing habits. 36 hours lecture; Positive Attendance.

SCE-840 - Craft Design for Older Adults 0 units
Prerequisite: None.
This course offers students 55 years and older the opportunity to create and construct various types of crafts in an interactive and stimulating environment. The course will feature crafts that give students an opportunity to use their creative talents while retaining and continuing to develop their fine motor skills and improve memory skills. Some of the crafts featured in various classes might include ceramics, stain glass, wood carving, jewelry, china painting, calligraphy, fabric crafts, scrap book design, various crafts using glass items, wood items, clay pots, found items and items from nature like gourds and pine cones, etc. Students will supply their own craft materials. 24 hours laboratory; Positive Attendance.

SCE-842 - Needle Arts Therapy for Seniors 0 units
Prerequisite: None.
Students 55 years and older will learn to create needle arts projects in a socially interactive environment. The course will feature a wide variety of needle arts instruction to give students an opportunity to use their creative talents while retaining and continuing to develop fine motor skills memory improvement and will provide an opportunity to share backgrounds and family history through the various projects and offer in a socially interactive environment. Some of the various needle arts that might be included in various classes are: needlepoint, cross stitch, needle beading, embroidery, ribbon embroidery, Japanese bunka and other ethnic needle arts, fabric embellishment, appliqué, quilting, crochet and knitting. Students will provide their own needle art supplies. 24 hours laboratory; Positive Attendance.