COURSE

Descriptions
ENGL 81B, The Basic Essay – Plus 3 units

- Prerequisite: English 81A.
- Corequisite: English 83B.

English 81B reinforces and continues the writing effort begun in English 81A. In class and lab formats, 81B stresses the skills necessary to write basic three paragraph essays and short summaries. Sentence skills are reviewed and expanded.

SOCIOL 1, Introduction to Sociology 3 units

Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
- CAN: Sociology 2.
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course introduces the systematic study of society and human social interaction. Emphasis is placed on both macro and micro sociological theory and methods of sociological inquiry, as well as cultural development, the process of socialization, social structure, social stratification—particularly in the areas of social class, race and ethnicity, and gender—and social change. Students are highly encouraged to complete Sociology 1 prior to enrolling in other sociology courses.

TH ART 51, Stage Make-Up Workshop (.5,.5,.5,.5) 0.5 unit

Transfer: UC, CSU

- Prerequisite: None.
- Concurrent Enrollment in Th Arts 50 or 52.

This course is a study of the art and practical application of stage make-up for those performing in Theatre Arts Department productions.
Accounting

ACCTG 1, Accounting 1 5 units
Transfer: UC, CSU
- CAN: Business 2.
- Prerequisite: None.
- Advisory: Math 20.

This course introduces the student to the sole proprietorship, partnership, and corporate forms of ownership. This course also familiarizes the student with recording, classifying and interpreting financial data for service and merchandising business. It includes a study of the journals, ledgers and financial statements used by these entities. Also covered are computerized accounting systems, internal control, ethics, cash, accounts receivable, merchandise inventory, plant assets and intangible assets, liabilities, and equity accounts.

ACCTG 2, Accounting 2 5 units
Transfer: UC, CSU
- Prerequisite: Accounting 1.

This course is a continuation of Accounting 1. It covers the corporate form of organization, the time value of money, long-term liabilities, investments and international operations, and the Statement of Cash Flows. It further covers a study of managerial accounting, including financial statement analysis, job and process costing systems, cost-volume-profit analysis, budgeting, standard costing, performance evaluation for decentralized operations, differential analysis and capital investment analysis.

ACCTG 3, Intermediate Accounting I 5 units
Transfer: CSU
- Prerequisite: Accounting 2.

Basic pronouncements of the Financial Accounting Standards Board and their applications to accounting are covered in this course, along with cash, receivables, temporary investments, the time value of money, income and cash flow statements and estimating procedures.

ACCTG 4, Intermediate Accounting II 5 units
Transfer: CSU
- Prerequisite: Accounting 3.

A continuation of Intermediate Accounting 3, this course includes further study of the basic pronouncements of the Financial Accounting Standards Board and their applications to accounting. Covered in detail in this course are stockholders’ equity, earnings per share, investments, financial statement analysis, revenue recognition, accounting for income taxes, pensions, leases, and full disclosure in financial reporting.

ACCTG 5, Accounting Consolidations 3 units
Transfer: CSU
- Prerequisite: Accounting 4 or 10C.

This course begins with the study of business combinations and covers, in depth, the preparations of consolidated financial statements and Financial Accounting Standards Board (FASB) 141. This course also covers accounting for not-for-profit entities.

ACCTG 7, Advanced Accounting: Special Topics 3 units
Transfer: CSU
- Prerequisite: Accounting 4 or 10C.

This course may be taken before Accounting 6. This course covers special accounting topics, including accounting for foreign currency transactions, partnerships, estates and trusts, state and local governments and accounting research.

ACCTG 10A, Intermediate Accounting A 3 units
Transfer: CSU
- Prerequisite: Accounting 2.

Basic pronouncements of the Financial Accounting Standards Board and their applications to accounting are covered in this course, along with cash, receivables, temporary investments, the time value of money, income and cash flow statements and estimating procedures.

ACCTG 10B, Intermediate Accounting B 3 units
Transfer: CSU
- Prerequisite: Accounting 10A.

A continuation of Intermediate Accounting A (ACCTG 10A), this course includes further study of the basic pronouncements of the Financial Accounting Standards Board and their applications to accounting. Covered in detail in this course are inventories, land, buildings, equipment, intangible assets, current and long term liabilities and contingencies and stockholders’ equity (paid-in capital and retained earnings).

ACCTG 10C, Intermediate Accounting C 4 units
Transfer: CSU
- Prerequisite: Accounting 10B or 3.

A continuation of Intermediate Accounting A and B (ACCTG 10A, 10B), this course includes further study of the basic pronouncements of the Financial Accounting Standards Board and their applications to accounting. Covered in detail in this course are investments, earnings per share, financial statement analysis, revenue recognition, accounting for income taxes, pensions, leases, and full disclosure in financial reporting.

ACCTG 11, Cost Accounting 3 units
Transfer: CSU
- Prerequisite: Accounting 2.

This course focuses on cost accounting theory with emphasis on job order and process cost accounting, accounting methods for material, labor, and factory overhead, and preparation of financial statements from cost data. Topics include cost management concepts, activity cost behavior, job order costing, process costing, budgeting, standard costing, cost/volume/profit analysis, and tactical decision making.

ACCTG 12, Auditing 3 units
Transfer: CSU
- Prerequisite: Accounting 2.

This course covers the role and responsibility of Certified Public Accountants in the audit of financial statements. Emphasis will be placed on verification of balance sheets and
internal control of accounting systems and cycles. Topics include sampling techniques, workpaper preparation, flow-charting, AICPA statements of auditing standards, professional ethics, legal liability, audit reports, and audit programs.

**ACCTG 15, Personal Income Tax**  3 units  
Transfer: CSU  
- **Prerequisite:** Accounting 2.  
Tax laws, accounting procedures and preparation of returns required for federal and California state income taxes as they apply to individuals are studied.

**ACCTG 16 Corporate Taxation**  3 units  
Transfer: CSU  
- **Prerequisite:** Accounting 15.  
Tax laws, accounting procedures, and return preparation are studied in this course to understand the information required for federal corporate income tax and the California franchise tax.

**ACCTG 21, Business Bookkeeping**  3 units  
- **Prerequisite:** None.  
A survey course of basic bookkeeping principles and practices and the use of records to help bookkeepers and business owners/managers better understand common business terms, transactions and record keeping in small businesses. This course provides the student with the basic accounting concepts and procedures required for all businesses. Through lecture and problem solving, the student will learn to do a full set of books pertaining to a small business enterprise. Topics covered include analyzing and classifying business transactions, financial statements, worksheets and adjusting entries, bank reconciliations, payroll, specialized journals, and tax aspects of small businesses.

**ACCTG 26, Advanced Business Law**  3 units  
Transfer: UC, CSU  
- **Prerequisite:** Business 5.  
This course covers advanced topics in agency, partnerships, corporations, LLCs, torts, legal procedures and other advanced topics.  
**ACCTG 26 is the same course as Business 6. Students may earn credit for one but not both.**

**ACCTG 31A, Excel for Accounting**  3 units  
Transfer: CSU  
- **Prerequisite:** Accounting 1 or 21.  
This course includes a detailed study of accounting using the Excel spreadsheet package. Topics include the use of functions and formulas of Excel with emphasis on accounting as a financial analysis tool. Students are expected to have a working knowledge of Windows.

**ACCTG 31B, Advanced Excel for Accounting**  3 units  
Transfer: CSU  
- **Prerequisite:** Accounting 2 and 31A.  
This course includes a detailed study of advanced accounting using the Excel spreadsheet package. Topics include the use of advanced functions and formulas of Excel with emphasis on accounting as a financial analysis tool.

**ACCTG 33, Access for Accounting**  3 units  
Transfer: CSU  
- **Prerequisite:** CIS 4.  
This course introduces basic Microsoft Access 2007 database management system to build accounting system elements for each of the four main transaction cycles: revenue, purchase, payroll, and production. Topics include: creating and maintaining tables; designing, maintaining and querying a database; and creating forms and reports.

**ACCTG 35, QuickBooks**  3 units  
Transfer: CSU  
- **Prerequisite:** Accounting 1.  
This course provides the student with a realistic approach to computerized, integrated accounting principles using QuickBooksPro 2007 software package. Students will work with the various components of an accounting system in an ongoing business, as well as set up an accounting system for a new company.  
**Accounting 35 is the same class as CIS 35. Student may earn credit for one, but not for both. This class uses QuickBooks Pro 2007.**

**ACCTG 45, Individual Financial Planning**  3 units  
Transfer: CSU  
- **Prerequisite:** None.  
This course provides students with the tools to achieve their personal financial goals. It will help them make informed decisions related to spending, saving, borrowing, and investing. Topics covered include personal financial planning; money management; tax strategy; consumer credit; purchasing decisions; insurance; investing in stocks, bonds, mutual funds, and real estate; retirement; and estate planning.  
**Accounting 45 is the same class as Business 45. Students may earn credit for one, but not for both.**

**ACCTG 88A, Independent Studies in Accounting**  1 unit  
Transfer: CSU  
Please see “Independent Studies” section.

**ACCTG 88B, Independent Studies in Accounting**  2 units  
Transfer: CSU  
Please see “Independent Studies” section.

**ACCTG 90A, Accounting Internship**  1 unit  
Transfer: CSU  
- **Prerequisite:** None.  
Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.  
The Internship Program is designed to provide the student with “real life” experience in an accounting environment. Students will work with a local company to apply accounting principles.
ACCTG 90B, Accounting Internship  
2 units  
Transfer: CSU  
* Prerequisite: None. 
Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling. 

The Internship Program is designed to provide the student with “real life” experience in an accounting environment. Students will work with a local company to apply accounting principles.

American Sign Language-Credit

Additional hours to be arranged in the Modern Language Lab for American Sign Language 1. For non-credit American Sign Language courses, please see “Counseling-Adult Education.”

ASL 1, American Sign Language 1  
5 units  
Transfer: UC, CSU  
IGETC Foreign Language (required for UC only)  
* Prerequisite: None. 

This is an introductory ASL course. It provides an emphasis on signing, receptive skills, signing parameters, and the glossing system, the written system of ASL. This course provides a historical introduction, cultural awareness, and cross cultural adjustment skill. Non-verbal communication is emphasized. Homework assignments will include, but are not limited to, attendance and involvement at community events. Lab required.

ASL 2, American Sign Language 2  
5 units  
Transfer: UC, CSU  
IGETC AREA 3B (Arts and Humanities). Foreign Language 
Prerequisites: American Sign Language 1 or equivalent skills 

This course is a continuation of ASL 1. Instruction is a more advanced study of ASL fundamentals. There will also be extensive study on the Deaf Culture and Community. Topics will be presented in readings, videos and discussions in ASL. Non-verbal communication is emphasized. Language laboratory required.

Anatomy

Please see listing under “Biological Sciences.”

Anthropology

ANTHRO 1, Physical Anthropology  
3 units  
Transfer: UC, CSU  
IGETC AREA 3B (Biological Sciences, non-lab)  
* Prerequisite: None.  
* Skills Advisory: Eligibility for English 1. 

*Maximum credit allowed for Anthropology 1 and Anthropology 5 is one course (four units).

A survey of human biology, this course focuses on human origins and evolution by investigating the major aspects of physical anthropology including Mendelian and human population genetics, primate and hominid evolutionary processes, contemporary variability, and facets of primate ethology and human behavior that make the human unique in the animal kingdom.

ANTHRO 2, Cultural Anthropology  
3 units  
Transfer: UC, CSU  
IGETC AREA 4A (Social & Behavioral Sciences)  
* Prerequisite: None.  
* Skills Advisory: Eligibility for English 1. 

Human sociocultural behavior and its products, including material culture, social organization, religion, language, and other symbolic systems and discussion of the dynamics of culture are included in this study.

ANTHRO 3, World Archaeology  
3 units  
Transfer: UC, CSU  
IGETC AREA 4A (Social & Behavioral Sciences)  
* Prerequisite: None. 
* Skills Advisory: Eligibility for English 1. 

This course is an introduction to the archaeological record documenting the evolution of human culture from the earliest stone tool makers to the primary civilizations of the Old and New Worlds. Topics include hunter-gatherer adaptations, the invention and spread of agriculture, and the development of civilizations. Archaeological techniques and methods are introduced as the means for understanding these developments.

ANTHRO 4, Methods of Archaeology  
3 units  
Transfer: UC, CSU  
* Prerequisite: None. 

Maximum UC credit allowed for Anthropology 3 and Anthropology 4 is one course (3 units).

This is an introductory lecture class on the field and laboratory methods used by archaeologists to understand our past. Topics include research design, data collection, relative and absolute dating, analyses of ceramic and lithic artifacts, and dietary reconstruction, as they relate to social archaeology and the interpretation of political, economic, and ideological aspects of past cultures. Case studies of major archaeological sites, as well as local sites, illustrate the application of these methods.

ANTHRO 5, Physical Anthropology with Lab  
4 units  
Transfer: UC, CSU  
IGETC AREA 5B (Biological Sciences, + LAB)  
* Prerequisite: None. 
* Skills Advisory: Eligibility for English 1. 

*Maximum credit allowed for Anthropology 1 and Anthropology 5 is one course (four units).

A survey of human biology, this course focuses on human origins and evolution by investigating the major aspects of physical anthropology including Mendelian and human genetics, population genetics, primate and hominid evolutionary processes, contemporary human variability, and facets of primate ethology and human behavior that make our species unique in the animal kingdom. This course consists of three hours of lecture and three hours of laboratory work weekly. The laboratory projects will parallel the lecture topics hence the lab
projects will pertain to genetics, human variation, primate anatomy, human osteology, and analysis of hominid (human) and primate fossils.

ANTHRO 7, Introduction to Linguistic Anthropology 3 units
Transfer: UC, CSU
IGETC AREA 4A (Social & Behavioral Sciences)

This course introduces the student to the place of language in society and how it varies in different cultures. The course explores how language changes in different segments of society, the relationship between dialects and social hierarchy, and language variations between genders. Students will learn to analyze linguistic expressions such as oral story-telling, poetry, and narratives from a cross-cultural perspective. Also students will discuss the role of language in issues related to nationalism.

ANTHRO 9, Paleoanthropology 3 units
Transfer: UC, CSU
IGETC AREA 5B (Biological Science)

This course focuses on the evolutionary history of our species, Homo sapiens, through an examination of the paleontological record of primate and human origins. It examines the latest ideas on comparative primate and human paleobiology and places these developments within the conceptual framework of modern evolutionary theory.

ANTHRO 14, Sex, Gender and Culture 3 units
Transfer: UC, CSU
IGETC AREA 4A (Social & Behavioral Sciences)

This course presents a cross-cultural survey of the position of men and women within an anthropological framework. It assesses, in a comparative fashion, the biological basis of sexual differentiation and the cultural interpretation of these differences through “gender roles.” Comparative materials from tribal, non-Western, non-industrial, and Western cultures will be used to illustrate the variety of gender roles and expectations. The course focuses on cultural institutions as fundamental in creating, defining, and reinforcing gender roles. Economics, politics, the arts, religion, kinship, world view, and other issues which influence choices, opportunities, and limitations tied to gender will be examined.

ANTHRO 20, Traditional Peoples and Cultures of Africa 3 units
Transfer: UC, CSU
IGETC AREA 4A (Social & Behavioral Sciences)

This course is a survey of general traditional African subsistence modes, illustrated by specific examples of cultures practicing a particular mode of life. Traditional kinship, political development, economic systems, religions, and the arts are studied in the context of culture areas and subsistence modes. The focus of the course is on societies before colonial penetration, but discussions of more recent issues are included when germane. The study of indigenous peoples is placed in the context of broader issues in the field of anthropology. Some of the mistakes arising from “naive realism” and ethnocentrism continue to hinder the study of traditional African societies. These biases and the resultant misconceptions are addressed.

ANTHRO 22, Magic, Religion, and Witchcraft 3 units
Transfer: UC, CSU
IGETC AREA 4A (Social & Behavioral Sciences)

The purpose of this course is to explore in a cross-cultural context the nature of religion and the relationships of individuals and societies to supernatural forces and persons. The course will examine general patterns of religious behavior throughout the world, delineate different theories of religion and see how they apply in various cultures. By the end of the course, the student should be able to identify several definitions and theories of religion and to discuss their merits with regard to specific cases.

ANTHRO 35S, Archaeological Field Techniques 3 units
Transfer: CSU

This course introduces students to the basic techniques involved in archaeological fieldwork. Students will learn various methods of excavation and how they are tied to a research design. Lectures will supplement hands-on excavation by providing pertinent historical and theoretical background to the ongoing scientific research.

ERTHSC 88A, Independent Studies in Earth Science 1 unit
Transfer: CSU

Please see "Independent Studies" section.

ERTHSC 88B, Independent Studies in Earth Science 2 units
Transfer: CSU

Please see "Independent Studies" section.

Art

For all Photo classes see Photography. For classes in Interior Architectural Design, see Interior Architectural Design.

ART 10A, Design I (3,3) 3 units
Transfer: UC, CSU

This is an introductory course in the theory and application of the elements of 2-D design. Assignments will focus on the following design principles: line, value, form, scale, light, logic, space, depth, texture, pattern, composition and color theory. This course is required for all art majors.
ART 10B, Design II (3,3)  3 units
Transfer: UC, CSU
  •  Advisory: Art 10A.

This course is a continuation of the study of the fundamentals of design with special emphasis on thought and design concepts with portfolio oriented projects and an introduction to 3-D design. Required for art majors.

ART 10C, Computer Design  3 units
Transfer: UC, CSU
  •  Advisory: Art 10A.

This course is a continuation of the theory and application of the principles and elements of fine art and design on the computer. Introducing the basics of computer operation for digital imaging applications, scanner technologies, and learning how to apply visual design concepts with digital media. This course serves as preparation for further study in the computer arts by providing an overview of theoretical issues related to the use of computers in fine art disciplines. Studio projects focus on integrating visual design principles with digital imaging technology and personal expression.

ART 13, 3-D Design (3,3)  3 units
Transfer: UC, CSU
  •  Advisory: Art 10A.

This course explores the basic problems in 3-D design using plastic, metal, wood and other materials. (Recommended for design, gallery installation, ceramic and sculpture majors.)

ART 15, Lettering (3,3)  3 units
Transfer: CSU
  •  Advisory: Art 10A.

This course covers calligraphy, including hand-written letter forms and type faces, styles, proportion, lay-out and spacing as applied in personal correspondence, advertising, layout and brochures.

ART 17A, 3-D Jewelry Design I (3,3)  3 units
Transfer: CSU
  •  Advisory: Art 10A and 20A.

This course explores jewelry design and silversmithing as an art form and includes both fabricating and lost-wax casting techniques.

ART 17B, 3-D Jewelry Design II (3,3)  3 units
Transfer: CSU
  •  Advisory: Art 17A.

This course is a continuation of jewelry fabrication and casting, emphasizing the expressive use of non-ferrous metal construction techniques including chain making, surface embellishments, alternative casting, and hollow container construction.

ART 20A, Drawing I (3,3)  3 units
Transfer: UC, CSU
  •  CAN: Art 8.
  •  Prerequisite: None.

This fundamental course is focused on representational drawing and composition using various black and white media. Emphasis is placed on development of perceptual skill, comprehension of formal theory, and performance competency in the media introduced.

ART 20B, Drawing II (3,3)  3 units
Transfer: UC, CSU
  •  Advisory: Art 20A.

This course is a continuation of Art 20A with emphasis on the compositional aspects of drawing and the development of individual expression. There is an introduction to color and color theory and to the human figure. The figure is studied relative to its unique qualities of proportion, gesture, and expression.

ART 20C, Digital Drawing  3 units
Transfer: UC, CSU
  •  Advisory: Art 10C.

This course is designed for students who are interested in broadening their range of drawing options by integrating traditional fine art drawing skills with digital technologies. Focus will be on exploration of the principles of drawing in their simplest form: marks, lines, shapes, light, perspective, proportion and spatial relationships. Using a combination of vector based and digital imaging software applications combined with traditional hands-on techniques, students will create drawing projects on the computer, as well as maintain a notebook of hands-on sketches. This course is a continuation of the compositional theories and skills developed in fundamental drawing classes, with an emphasis on preparing students to build upon their digital skills and fine art concepts and to develop personal directions in drawing.

ART 21A, Drawing III (3,3)  3 units
Transfer: UC, CSU
  •  CAN: Art 24.
  •  Advisory: Art 20B.

This is a drawing course with major emphasis on drawing from a live model in a variety of both black and white and color media. This course emphasizes anatomical and skeletal structures.

ART 21B, Drawing IV (3,3)  3 units
Transfer: UC, CSU
  •  Advisory: Art 21A.

This course is a continuation of Art 21A including composition and interpretation of drawing the figure in various media.

ART 30A, Beginning Water Color Painting I (3,3)  3 units
Transfer: UC, CSU
  •  Advisory: Art 10A or 20A.

This is an introductory course to water media painting with emphasis on watercolor technique, composition, and formal theory. A spectrum of wash, glaze, and gouache techniques are explored using principles of color theory, composition, and space building concepts.

ART 30B, Watercolor Painting II  3 units
Transfer: UC, CSU
  •  Advisory: Art 10A or 20A or 30A.

An advanced course in watercolor media, subjects may include the figure, landscape, and location painting.
ART 30C, Acrylic Painting Techniques 3 units
Transfer: UC, CSU
- Advisory: Art 10A and 20A.
  This course will focus on the basics of drawing and painting with Acrylics and Mixed Media. Acrylics are a fast drying medium that is ideally suited for the beginning art student interested in Commercial Arts as well as Fine Arts. Students will develop skills in conceptual and observational painting through still life and assignments geared toward illustration. Assignments are based on typical areas of concentration found in the field, including conceptual, decorative, surreal, editorial, design, narrative, portrait, realistic and on the practical aspect of a career in illustration.

ART 31, Beginning Oil Painting (3,3) 3 units
Transfer: UC, CSU
- Advisory: Art 10A and 20A.
  This an introductory course in oil painting. This course will emphasize building a foundation for executing and understanding paintings with coursework focusing on the use and application of painting materials, composition, and theory.

ART 32, Intermediate Painting (3,3) 3 units
Transfer: UC, CSU
- Advisory: Art 10A and 20A.
  This course is an intermediate course in painting with a variety of types of subject matter. This course will emphasize the further use of oil paint or acrylic.

ART 33, Advanced Painting (3,3) 3 units
Transfer: UC, CSU
- Advisory: Art 32 and 21A.
  This course will focus on painting from the live model. The ability to use the figure as a carrier of concepts and emotional content will be addressed, as well as light and its application to the human form. This course will continue to develop the understanding of the use and application of painting materials, composition, and theory.

ART 34A, Contemporary Art Theory and Practice 3 units
Transfer: UC, CSU
- Prerequisite: None.
  This is an introductory studio course for beginners and those who would like to discover their own style, materials, and methods for making authentic artworks. Use of traditional and non-traditional contemporary art practices and media will be presented to encourage students to find their own visual language and approach. The nature and methods of various contemporary art movements and genres will be examined.

ART 34B, Contemporary Art Theory and Practice 3 units
Transfer: UC, CSU
- Prerequisite: Art 34A.
  This course is structured to further encourage each student in the development of a personal visual language for the creation of content-oriented art works leading to a portfolio for transfer purposes. Both traditional and non-traditional art genres will be explored including installation, video, and performance. Emphasis will be placed on combining formal studio skills with an idea or concept to produce crafted and unified artworks.

ART 35, Airbrush Techniques (3,3) 3 units
Transfer: CSU
- Advisory: Art 10A or 20A.
  This course introduces the use of the airbrush in fine art, design and illustration, including exercises in freehand air painting, masks, and stencils.

ART 40A, Sculpture I (3,3) 3 units
Transfer: UC, CSU
- CAN: Art 12.
- Advisory: Art 10A or 20A.
  Formal and spatial problems in sculpture are covered in this course which emphasizes modeling with clay and stone carving. *See counselor regarding transfer credit limitations.

ART 40B, Sculpture II (3,3) 3 units
Transfer: UC, CSU
- Advisory: Art 40A.
  This is a continuation of Art 40A with further exploration of sculptural materials and techniques. Emphasis is on individual growth and direction.

ART 40C, Sculpture III (3,3) 3 units
Transfer: UC, CSU
- Advisory: Art 40B.
  This course offers the advanced sculpture student the opportunity to further explore stone carving using pneumatic tools. Emphasis is on individual interpretation.

ART 41A, Figure Modeling Sculpture I (3,3) 3 units
Transfer: UC, CSU
- Advisory: Art 21A or 40A.
  Sculpting the human figure in clay is studied. Emphasis is on relief and full figure over an armature, using live models.

ART 41B, Figure Modeling Sculpture II (3,3) 3 units
Transfer: UC, CSU
- Advisory: Art 41A.
  This continuation of Art 41A utilizes problems in figure composition, individual interpretation of the figure, and exploration of various media.

ART 43A, Glass Sculpture I (3,3) 3 units
Transfer: UC, CSU
- Advisory: Art 10A or 20A.
  This course explores form and function utilizing free blown and poured glass, glass construction and glass in combination with other materials, emphasizing design, construction techniques, and proficiency in the art of off-hand glassblowing.

ART 43B, Glass Sculpture II (3,3,3) 3 units
Transfer: UC, CSU
- Advisory: Art 43A.
  This course further explores form based on techniques acquired in Art 43A. Advanced techniques such as slumping, fusing, molds, surface decoration, and coloring are covered.
ART 52A, Ceramics I (3,3) 3 units
Transfer: UC, CSU
•  CAN: Art 6.
•  Advisory: Art 10A.
This is a ceramic design and construction course using basic hand building methods and wheel throwing. Emphasis is on surface decoration and glazing.

ART 52B, Ceramics II (3,3,3) 3 units
Transfer: UC, CSU
•  Advisory: Art 52A.
This course is a continuation of Art 52A. Emphasis is on wheel throwing, glaze chemistry, stacking, and firing.

ART 52C, Ceramics III 3 units
Transfer: UC, CSU
•  Advisory: Art 52B.
This course emphasizes advanced concepts in wheel throwing and creating sculptural forms in a variety of methods. Students will increase knowledge of glaze and firing technology.

ART 60, Introduction to Printmaking (3,3) 3 units
Transfer: UC, CSU
•  Advisory: Art 20A.
This is an introductory course in printmaking media and techniques including lino-cut, multi-block woodcut, and etching processes.

ART 60B, Introduction to Digital Printing 3 units
Transfer: UC, CSU
•  Advisory: Art 20A.
An introduction to experimental digital print technologies through understanding the digital imaging process from color management to visual concept to final ink-on-paper. Advances the idea of innovative materials and techniques that explore combining both digital and traditional hands-on methods emphasizing individual creative problems. Class projects will be completed on Epson printers (1280, 2200, &4000), including both dye-based and pigment-based inks with a variety of coated ink jet papers and uncoated fine art papers. Students working in all media are welcome to explore a collaborative and interdisciplinary approach to working in a digital image-making environment. A special emphasis on fine art portfolio development for transfer as well as documentation of art works related to contemporary art practice will be encouraged. Projects, discussions and critiques will focus on issues of intention, process, experimentation, and producing quality digital fine art prints.

ART 61A, Etching (3,3) 3 units
Transfer: UC, CSU
•  Advisory: Art 20A and 60.
This course is an intensive study of etching techniques, using multicolor and black and white processes. Traditional methods of metal etching are also combined with computer generated images and non-toxic photographic techniques.

ART 61B, Advanced Etching (3,3) 3 units
Transfer: UC, CSU
•  Advisory: Art 61A.
This is an advanced course in creating multiple images in black and white and color. Traditional metal etching processes are combined with computer generated images, image transfers, and non-toxic photographic techniques. Emphasis is on multiple plate color images and book making.

ART 62, Serigraphy (Silkscreen) (3,3) 3 units
Transfer: UC, CSU
•  Advisory: Art 10A and 20A.
This is an introductory studio course in screen printing techniques, including hand cut and painted stencil application as well as an introduction to photo stencil techniques.

ART 63, Lithography (3,3) 3 units
Transfer: UC, CSU
•  Advisory: Art 10A, 20A and 60.
This course is a study of lithographic processes, past and current techniques, as well as black and white and multicolor processes.

ART 90A, Internship 1 unit
Transfer: CSU
•  Prerequisite: None.

ARTS 88A, Independent Studies in the Arts 1 unit
Transfer: CSU
Please see “Independent Studies” section.

ARTS 88B, Independent Studies in the Arts 2 units
Transfer: CSU
Please see “Independent Studies” section.

Art History

ART 1, Western Art History I 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts)
•  Prerequisite: None.
This course is a survey of the chronological development of Western art from the Stone Age to the end of the Roman Empire with emphasis on the cultural, political, and social factors that influenced this evolution.

ART 2, Western Art History II 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts)
•  Prerequisite: None.
This course is a survey of the chronological development of Western art from the Early Christian period to the end of the 16th Century. This includes Byzantine, Romanesque, Gothic, and Renaissance painting, sculpture, architecture, and manuscript illumination in Italy, Greece, Spain, Germany, England, France, Holland, and other European venues.
ART 3, Western Art History III 3 units
Transfer: UC, CSU
IGETC: AREA 3A (Arts)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
This course is a survey of the chronological development of Western art from the Baroque period to the end of the 19th Century. This includes Baroque, Rococo, Romanticism, Realism and Impressionism in Italy, Holland, Belgium, Spain, France, Germany, and England.

ART 5, Arts of Asia – Prehistory to 1900 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts)
• Prerequisite: None.
This course is a survey of the chronological development of Asian art from earliest times to approximately 1900 with emphasis on the cultural, political, and social factors which influenced this evolution. The course includes the art of China, Japan, Korea, Thailand, Cambodia, and Indonesia.

ART 6, Architectural History: Ancient to 1850 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts)
• Prerequisite: None.
The evolution of Western architecture from prehistory to the Romanticism of the late 18th and early 19th Centuries is studied. Lectures accompanied by slides, cover technology, organizing methodology, intellectual thought, social conditions, and general artistic sensibilities. Additionally, historic examples are related to specific, current architectural work.

ART 7, Architectural History and Theory – 1850 to Present 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts)
• Prerequisite: None.
Through the use of lectures, slides, and field trips, architecture will be studied from the mid-19th Century social and industrial conditions to current sensibilities represented by various creative individuals, movements and buildings. Cross references will be made to ideas of other arts, sociopolitical theory, and society in general.

ART 8, Western Art History IV 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
This course is a survey of the chronological development of Western art from impressionism to today. It includes Post-Impressionism, Visionary Art, Modern Architecture, Art Nouveau, Fauvism, Cubism, Expressionism, Surrealism, Abstract Formalism, Cinema, and the Contemporary World of Art, or Art and Architecture.

ART 9, Mexican Art History 3 units
Transfer: UC, CSU
IGETC: AREA 3A (Arts)
• Prerequisite: None.
This course covers the historical development of Mexican art from its pre-Columbian past to the present with a review of painting, sculpture, architecture, and their social, political, religious, and economic relevance.

ART 71, African American Art History 3 units
Transfer: UC, CSU
IGETC: 3A (Arts)
• Prerequisite: None.
This course is a survey of the chronological development of African American art and iconography from the advent of slavery in the United States to the present. It includes Craftsmanship, Painting, Sculpture, Vernacular, and Contemporary Architecture.

ART 72, American Art History 3 units
Transfer: UC, CSU
IGETC AREA 3A (Art)
• Prerequisite: None.
This course satisfies Santa Monica College's American Cultures requirement.
A survey of the chronological development of painting, sculpture, and architecture in the United States from its pre-colonial past to the end of World War II. The contributions and influences of a variety of ethnic groups to the diversity of art in the United States will be addressed. The artistic contribution of Native American, African Americans, Asian Americans, Chicano/Latino Americans and European Americans will be studied in the larger context of American society, history, and culture.

ART 73, History of Photography 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts and Humanities)
• Prerequisite: None.
This is a historical survey of the evolving nature of photography from the early 1800's to the present digital age. Art 73 is the same course as Photography 52. Students may receive credit for one, but not both.

ART 79, Art Appreciation: Introduction to Visual Culture 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts and Humanities)
• Prerequisite: None.
This class is an introduction to artistic practices of all time periods, exploring the myriad manifestations of visual culture in our world. Emphasis will be placed on learning the language of visual culture both in terms of the formal elements of design as well as the content of style and subject matter. Students will explore the various media of art from drawing, sculpture, fresco, oil, photography, motion pictures, and architecture to contemporary advertising and design. This course is designed to introduce Fine Art and Art History, simultaneously providing a unique opportunity to explore these fields as well as to prepare students for a course of study in Fine Art and Art History.
Astronomy

ASTRON 1, Stellar Astronomy 3 units
Transfer: UC, CSU
IGETC: 5A (Physical Sciences, non-lab)
  • Prerequisite: None.
This course provides a comprehensive introduction to the fascinating subject of astronomy with an emphasis on the study of the Sun and other stars. Topics covered include the motions of the sky, a survey of the history of astronomy from Kepler to Einstein, gravity, radiation and matter, astronomical instrumentation, our Sun, stars, star formation, stellar evolution, galaxies and cosmology.
This course is not recommended to those who have completed Astronomy 3. Maximum credit allowed for Astronomy 1 and Astronomy 3 is one course (4 units).

ASTRON 2, Planetary Astronomy 3 units
Transfer: UC, CSU
IGETC AREA: 5A (Physical Sciences, non-lab)
  • Prerequisite: None.
This course provides a comprehensive introduction to the fascinating subject of astronomy with an emphasis on the study of the Earth and the other planets in the solar system. Topics covered include the motions of the sky, a survey of the history of astronomy from the Greeks to Einstein, phases of the moon, eclipses, gravity, the formation of the solar system, the Earth, Terrestrial and Jovian planets, their moons, asteroids, meteoroids, comets and a discussion of extrasolar planets around other stars.
This course is not recommended to those who have completed Astronomy 4. Maximum credit allowed for Astronomy 2 and Astronomy 4 is one course (4 units).

ASTRON 3, Stellar Astronomy with Laboratory 4 units
Transfer: UC, CSU
IGETC AREA 5A (Physical Sciences, + LAB)
  • Prerequisite: None.
This survey course covers the same material as Astronomy 1A but has a laboratory portion covering astronomical observations including the use of telescopes, computers, star charts, and star catalogs. Observations of the sun, planets, stars, and nebulae add to a deeper understanding of stellar astronomy.
Maximum credit allowed for Astronomy 1A and Astronomy 3 is one course (four units).

ASTRON 4, Solar System with Laboratory 4 units
Transfer: UC, CSU
IGETC AREA 5A (Physical Sciences, + LAB)
  • Prerequisite: None.
This course covers the same material as Astronomy 1B but includes a laboratory covering astronomical observations using telescopes, astronomical computations using computers, lunar and planetary maps, star charts, eclipse tables, and planetarium related instruction. Observations of the sun, moon, and planets lead to a deeper understanding of planetary astronomy.
Maximum credit allowed for Astronomy 1B and Astronomy 4 is one course (four units).

ASTRON 5, Life in the Universe 3 units
Transfer: UC, CSU
IGETC AREA 5A (Physical Sciences, non-lab)
  • Prerequisite: None.
This course surveys the latest ideas concerning the origin and evolution of life on earth and discusses how these ideas are influencing our search for life on other planets in our solar system and elsewhere in the Universe. Topics covered include the chemical and biological basis of life, the search for life on Mars, extrasolar planets and the search for extraterrestrial intelligence (SETI).

Bilingual/ Bicultural Studies

BILING 1, Introduction to Bilingual Studies 3 units
Transfer: UC, CSU
  • Prerequisite: None.
This course provides an introduction to the historical, philosophical, psychological, pedagogical, and cultural aspects of bilingual education with a particular emphasis on the Spanish-speaking child.

Biological Sciences

ANATOMY 1, General Human Anatomy 4 units
Transfer: UC, CSU
IGETC AREA 5B (Biological Sciences, + LAB)
  • Prerequisite: None.
  • Skills Advisory: Eligibility for English 1.
This course is an intensive study of the gross and microscopic structure of the human body including the four major types of tissue and their subgroups, and the following organ systems: integumentary, skeletal, muscular, circulatory, respiratory, digestive, urinary, reproductive, endocrine, nervous, and senses. Functions of the organ systems are included at the introductory level to prepare students for a course in Human Physiology. Laboratory assignments develop the skills of observation, investigation, identification, discovery and dissection. The use of actual specimens, including cat dissection and observation of a human cadaver, is emphasized to assure that students learn the relative structure, functions, textures and variations in tissues not incorporated in models. Supplemental materials such as models, photographs, charts, videotapes, and digitized images are also provided. This course is required for students preparing for many Allied Health professions including, but not limited to, Nursing, Respiratory Therapy, Physical Therapy, Physical Education and Kinesiology Training, and Physician Assistant and is a prerequisite for Human Physiology 3.
ANATOMY 2, Advanced Human Anatomy 4 units
Transfer: UC, CSU
IGETC AREA 5B (Biological Sciences, + LAB)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
This course emphasizes developmental, comparative, gross anatomy as applied to various disciplines such as clinical medicine, anthropology, art, illustration, kinesiology and pathology in order to demonstrate practical and professional applications of anatomy. The laboratory experience includes individualized instruction in dissection of the human body. Students prepare seminars on specific anatomy topics for presentation to faculty and other students. Guest lecturers and field trips may be included.

BIOL 2, Human Biology 3 units
Transfer: UC, CSU
IGETC AREA 5B (Biological Sciences non-lab)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
This general biology course is for transfer students who are not biology majors. Topics include basic molecular and cellular biology, genetics, the anatomy and physiology of plants, animals and humans, the diversity of life, evolution, and ecology. Current environmental issues and new developments in biological science are discussed. Laboratory experiences are integrated and stress scientific methodology and thinking. *Credit is allowed for one course from Biology 3, 4, and Botany 1. No UC credit is given for Biology 4 if taken after Biology 21, 22, 23, Botany 1 or Zoology 5.

BIOL 3, Fundamentals of Biology 4 units
Transfer: UC, CSU
IGETC AREA 5B (Biological Sciences, + LAB)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
This general biology course is for transfer students who are not biology majors. Topics include basic molecular and cellular biology, genetics, the anatomy and physiology of plants, animals and humans, the diversity of life, evolution, and ecology. Current environmental issues and new developments in biological science are discussed. Laboratory experiences are integrated and stress scientific methodology and thinking. *Credit is allowed for one course from either Biology 3, 4, Botany 1. No UC credit given for Biology 3 if taken after Biology 21, 22 or 23.

BIOL 4, Modern Applications of Biology 4 units
Transfer: UC, CSU
IGETC AREA 5B (Biological Sciences, + LAB)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
This general education course surveys biology from the perspective of the exciting discoveries coming from the studies of DNA and protein. Current methods of biotechnology will be discussed and illustrated in laboratory exercises. Topics include genetics, evolution, anatomy and physiology of animals and plants, and ecology. Applications of biotechnology include gene therapy, diagnostics, medical forensics, and transgenic animals and plants. This course is designed for transfer students who are not biology majors. It is recommended for future teachers of biology. *Credit is allowed for one course from Biology 3, 4, and 5.

BIOL 9, Environmental Biology 3 units
Transfer: UC, CSU
IGETC AREA 5B (Biological Sciences, non-lab)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
This survey course covers ecological principles including ecosystem structure and function, population dynamics and the interdependence of living organisms. Current environmental issues and controversies such as global warming, biodiversity and species extinction, habitat destruction, food and energy resources and pollution will be explored. Strategies for sustainable living will be emphasized.

BIOL 15, Marine Biology with Laboratory 4 units
Transfer: UC, CSU
IGETC AREA 5B (Biological Sciences, + LAB)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
This course emphasizes developmental, comparative, gross anatomy as applied to various disciplines such as clinical medicine, anthropology, art, illustration, kinesiology and pathology in order to demonstrate practical and professional applications of anatomy. The laboratory experience includes individualized instruction in dissection of the human body. Students prepare seminars on specific anatomy topics for presentation to faculty and other students. Guest lecturers and field trips may be included.

BIOL 15N, Marine Biology (Non-Laboratory) 3 units
Transfer: UC, CSU
IGETC AREA 5B (Biological Sciences, non-lab)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
This introduction to marine organisms parallels Biology 15 but does not include laboratory. *Total of four units credit for Biology 15 and Biology 15N is transferable.

BIOL 21, Cell Biology and Evolution 4 units
Transfer: UC, CSU
IGETC AREA 5B (Biological Science, + Lab)
• Prerequisite: Chemistry 11 (concurrent enrollment acceptable).
• Skills Advisory: Eligibility for English 1.
This is the first course of a three-course lecture and laboratory sequence for Biology majors, including Biology 21, 22, and 23. It describes how scientists approach the scientific method to generate scientific knowledge; studies the history, evidence, and mechanisms of evolution; identifies the chemistry of four classes of macromolecules; elucidates the cell principle including cell structure, function, and physiology; describes general energy metabolism; and illustrates the processes of growth and reproduction through mitosis, meiosis, development, and life cycles. Students are required to perform at least two experiments that require data collection, computer-based data management and graphing, and scientific analysis and interpretation of data. The course is designed to meet the needs of students transferring to upper division biology study. *No UC credit for Biology 3, 4, Botany 1 or Zoology 5 if taken after Biology 21, 22 or 23.
**BIOL 22, Genetics and Molecular Biology** 4 units  
Transfer: UC, CSU  
IGETC AREA 5B (Biological Science, + Lab)  
- *Prerequisite: Biology 21 and Chemistry 11.*  
- *Skills Advisory: Eligibility for English 1.*  
This is the second course of a three-course lecture and laboratory sequence for Biology Majors, Biology 21, 22 and 23. It focuses on the structure, function and transmission of genes from the perspectives of genetics and molecular biology. A strong foundation in genetics and its relationship to molecular biology is developed through problem solving. Students perform experiments that require data analyses and demonstrate interpretations in laboratory reports. Application of Internet databases for bioinformatics is used to show relationships between DNA and protein sequences. The course is designed to meet the needs of students transferring to upper division biology study. *No UC credit for Biology 3, 4, Botany 1 or Zoology 5 if taken after Biology 21, 22 or 23.*

**BIOL 23, Organismal and Environmental Biology** 5 units  
Transfer: UC, CSU  
IGETC AREA 5B (Biological Sciences, + LAB)  
- *Prerequisite: Biology 22.*  
- *Skills Advisory: Eligibility for English 1.*  
This is the third of a three-course lecture and laboratory sequence for biology majors. Organisms at and above the cellular level of organization are examined, with plants, invertebrates, and vertebrates receiving equal attention. Topics emphasized include morphology, physiology, systematics, ecology, evolution, and behavior. Additionally, each student must complete a term project which includes lab or fieldwork and library research. Transfer credit is limited if students enroll in other overlapping Biology courses or Zoology 5. *No UC credit for Biology 3, 4, Botany 1 or Zoology 5 if taken after Biology 21, 22 or 23.*

**BIOL 45 A-Z, Field Studies in Natural History** 0.5-3.0 units  
Transfer: CSU  
- *Prerequisite: None.*  
- *Skills Advisory: Eligibility for English 1.*  
See Schedule of Classes for current offerings.  
This series of courses is designed to combine classroom and laboratory studies with actual field studies in biology. Students will be introduced to the flora and fauna of particular habitats, biomes, or ecological communities and the ecological relationships of these areas using a field biology approach. Identification of unknown organisms and use of standard field sampling techniques are emphasized. Courses in this series allow students to study and visit such diverse areas as Belize, China, Tahiti, the Amazon, and the Galapagos Islands, and specific habitat-types such as California Deserts, California Mountain ranges, and wetlands of Southern California.

**BIOL 46 A-Z, Field Studies in Natural History** 0.5-3.0 units  
Transfer: CSU  
- *Prerequisite: None.*  
- *Skills Advisory: Eligibility for English 1.*  
See Schedule of Classes for current offerings.  
This series of courses is designed to combine classroom and laboratory studies with actual field studies in biology. Students will be introduced to the flora and fauna of particular habitats, biomes, or ecological communities and the ecological relationships of these areas using a field biology approach. Identification of unknown organisms and use of standard field sampling techniques are emphasized. Courses in this series allow students to study and visit such diverse areas as Belize, China, Tahiti, the Amazon, and the Galapagos Islands, and specific habitat-types such as California Deserts, California Mountain ranges, and wetlands of Southern California.

**BIOL 75, Biotechnology Methods** 5 units  
Transfer: UC, CSU  
- *Prerequisite: Chemistry 11.*  
- *Corequisite: Chemistry 12.*  
*Advisory: Microbiology 1, Physiology 3; or Biology 2, 3, 4, 21 or 22.*  
This course provides an introduction to commonly used techniques in biotechnology. Students will learn basic principles behind the methods and gain “hands-on” experience with techniques for analyzing DNA and protein. Methods for studying DNA will include DNA subcloning, bacterial transformation, agarose gel electrophoresis, restriction endonuclease mapping, polymerase chain reaction (PCR), restriction fragment length polymorphism (RFLP) by Southern blotting and non-isotopic detection of DNA. Techniques for analyzing proteins will include enzyme-linked immunosorbent assay (ELISA), protein quantitation and polyacrylamide gel electrophoresis (PAGE). Skills developed in this course can lead to employment as a biotechnology technician.

**BIOL 81, BioBrightStart, Basic Biology** 2 units  
- *Prerequisite: None.*  
Biology 81, BIOBRIGHTSTART, is a “hands-on” preparatory course designed to introduce under prepared students to the magic and the wonder that is the fascinating world of biology in an atmosphere that is designed to demystify the Biological world and to present basic concepts in a non-threatening fashion to which students can relate. Students will learn about the tools and methods used by biologists to gather information and will use these tools themselves to acquire some of the skills needed for succeeding in college level biology courses.

**BIOL 88A, Independent Studies in Biological Sciences** 1 unit  
Transfer: CSU  
Please see “Independent Studies” section.

**BIOL 88B, Independent Studies in Biological Sciences** 2 units  
Transfer: CSU  
Please see “Independent Studies” section.

**BIOL 88C, Independent Studies in Biological Sciences** 3 units  
Transfer: CSU  
Please see “Independent Studies” section.
Course Descriptions

BIOL 90A, Life Science Internship 1 unit
Transfer: CSU
• Prerequisite: None.
Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with real life experience in Life Science.

BIOL 90B, Life Science Internship 2 units
Transfer: CSU
• Prerequisite: None.
Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with real life experience in Life Science.

BOTANY 1, General Botany 4 units
Transfer: UC, CSU
IGETC AREA 5B (Biological Sciences, + LAB)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.

This course provides an overview of photosynthetic organisms (the Plant Kingdom, photosynthetic Monerans and Protists) and Fungi. Flowering plants are emphasized. Topics covered include a survey of botanical life forms, taxonomy, the structure, development and function of cells, stems, roots leaves, flowers, and seeds; chemistry, photosynthesis, respiration, plant physiology, Mendelian and molecular genetics, genetic engineering, evolution, and ecology. Scientific thinking skills will be developed in laboratory exercises. One or more labs are field trips to local natural areas or Plant society meetings. *Credit is allowed for one course from Biology 3, 4, Botany 1. *No UC credit for Botany 1 if taken after Biology 21, 22 or 23. No credit for Biology 4 if taken after Botany 1 or Zoology 5.

BOTANY 3, Field Botany 4 units
Transfer: CSU
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.

This introduction to the life habits, interrelationships, and classification of both native and introduced plants provides practice in identifying species by means of keys, manuals, and charts. Emphasis is on the field study of southern California plant communities. Field trips are taken to botanical gardens, nurseries, and parks. It is designed to be of special interest to future teachers and recreational leaders, as well as to majors in botany, general agriculture, landscape architecture, forestry, and wildlife management.

MCRBIO 1, Fundamentals of Microbiology 5 units
Transfer: UC, CSU
IGETC AREA 5B (Biological Sciences, + LAB)
• Prerequisite: Chemistry 10, and Physiology 3 or Biology 3 or 21.
• Skills Advisory: Eligibility for English 1.

This course involves study of several types of microorganisms with emphasis on bacteria. Principles of microbiology, metabolism, genetics, immunology, and medical and nonmedical applications are considered. The laboratory includes aseptic transfer techniques, cultural characteristics, methods of microscopy, and analytical techniques for identifying microbial organisms. The course content is related to both general and clinical applications including recent molecular biological and serological techniques.

NUTR 1, Introduction to Nutrition Science 3 units
Transfer: UC, CSU
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.

Human nutrition, integrating anatomy, physiology, biochemistry, and psychology, is studied in relation to wellness and degenerative disease prevention. The relationship between lifestyle choices, particularly nutrition, and health is established. Scientific information and principles provide the foundation for evaluating current concepts in nutrition and wellness for practical application in daily living.

NUTR 4, Healthy Lifestyle: Food and Fitness 3 units
Transfer: CSU
Prerequisites: None.

This course will help individuals to develop new skills that support positive lifestyle practices such as obtaining/maintaining healthy weight and fitness conditioning and managing stressors. Nutritional, physical and stress assessments will guide the development of these lifestyle skills. Nutrients needed for achieving a healthy level of fitness and weight will be discussed. The dangers of disordered eating and body dysmorphia will be discussed. Individuals will learn how to evaluate the latest weight loss, fitness and dietary supplement fads.

NUTR 6, Clinical Nutrition in Health Care 3 units
Transfer: CSU
Prerequisites: Nutrition 1.

Human nutrition, integrating anatomy, physiology, biochemistry, and psychology, is studied in relation to wellness and degenerative disease prevention. The relationship between lifestyle choices, particularly nutrition, and health is established. Scientific information and principles provide the foundation for evaluating current concepts in nutrition and wellness for practical application in daily living.

NUTR 7, Food and Culture in America 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social and Behavioral Sciences)
• Prerequisite: Nutrition 1.

This course is intended to prepare Nursing and other Allied Health students to understand organ systems and the pathophysiology of various disease states and the clinical nutrition implications for restoring health and/or managing disease. The Scientific Method serves as the foundation for evaluating current research in clinical nutrition. Issues of assessment and ethics are discussed as they relate to professional standards of practice and behavior.
These factors are compared and contrasted across the ethnic groups and regions in America. The impact of “Americanization” on ethnic cuisines and impact of ethnic cuisines on the American economy are explored. Current research on the health- and nutrition-related implications on ethnic groups’ food choices/practices is reviewed.

**NUTR 9, Nutrition Education and Counseling 3 units**  
Transfer: CSU  
- **Prerequisite:** Nutrition 1 and 6.  
Nutrition education, communication, interviewing, counseling and motivational principles will be discussed/role-played as they pertain to working with groups and/or individuals to obtain/maintain wellness or manage existing health conditions. Fundamental knowledge of nutritional science, clinical nutrition, fitness, and wellness is necessary. Experiential activities, including presentations and counseling triads, will provide exposure to assessing, planning, and evaluating effective dietary/lifestyle modification plans/strategies for working with diverse populations throughout the life cycle.

**NUTR 88A, Independent Studies in Nutrition 1 unit**  
Transfer: CSU  
Please see “Independent Studies” section.

**NUTR 88B, Independent Studies in Nutrition 2 units**  
Transfer: CSU  
Please see “Independent Studies” section.

**NUTR 90A, Internship in Nutrition 1 unit**  
- **Prerequisite:** None.  
Students must arrange an approved internship prior to enrolling in this course. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.  
The Internship Program is designed to provide the student with real-life experience in Nutrition.

**NUTR 90B, Internship in Nutrition 2 units**  
- **Prerequisite:** None.  
Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.  
The Internship Program is intended to provide real life experience in Nutrition.

**PHYS 3, Human Physiology 4 units**  
Transfer: UC, CSU  
IGETC AREA 5B (Biological Sciences, + LAB)  
- **Prerequisite:** Anatomy 1 and Chemistry 10 with a grade of C or better.  
- **Skills Advisory:** Eligibility for English 1.  
This rigorous course provides a basic understanding of physiological mechanisms with a focus on the human body. Basic concepts of cellular physiology, including: molecular control; mechanisms of gene expression; ligand-binding site interactions; energy and cellular metabolism; membrane transport; membrane and action potentials; and cellular communication, including signal transduction, will be integrated within the concept of homeostasis involving the following body systems: nervous and sensory, endocrine, muscular, circulatory, immune, respiratory, renal, digestive, and reproductive. The course content includes both general and clinical applications and is intended to prepare students for advanced courses in Allied Health and Medical professions including Nursing, Physical Therapy, Respiratory Therapy, Physician's Assistant, Pharmacy, and Exercise Science/Kinesiology Training.

**ZOOLO 5, Introductory Zoology 4 units**  
Transfer: UC, CSU  
IGETC AREA 5B (Biological Sciences, + LAB)  
- **Prerequisite:** None.  
- **Skills Advisory:** Eligibility for English 1.  
This general zoology course deals with the major animal groups from protists through vertebrates. Consideration is given to animal form, function, natural history, and behavior. Comparisons are made between groups and are used to stress the principles of evolution, classification, morphology, cell biology, organ system function, genetics, and ecology. Critical and scientific thinking skills are illustrated and developed. *Credit is allowed for one course from Biology 3, 4, Botany 1. *No UC credit for Zool 5 if taken after Biology 21, 22 or 23 and no credit for Biology 4 if taken after Zoology 5 or Botany 1.

**ZOOLO 17, Field Zoology 4 units**  
Transfer: CSU  
- **Prerequisite:** A life sciences course.  
- **Skills Advisory:** Eligibility for English 1.  
This course introduces the vertebrate and invertebrate animals of southern California within the context of natural ecological communities. Emphasis is placed on the techniques used for field identification, population monitoring, behavioral observation, and habitat description. Students also learn how field data are collected, analyzed and reported. The value of natural areas in human-dominated landscapes is stressed. Field trips are an integral part of the course.

**ZOOLO 20, Vertebrate Field Studies 3 units**  
Transfer: CSU  
- **Prerequisite:** None.  
- **Skills Advisory:** Eligibility for English 1.  
This course is designed to expose students to the techniques used by field zoologists to study wild vertebrate animals. The course focuses on vertebrates of southern California and emphasizes the techniques used to observe and survey wild animals. Students design a study, collect and analyze data, and present their findings in written and oral form. Field trips are an integral part of the course.

**Botany**  
Please see listing under “Biological Sciences.”

**Broadcasting**  
Also see courses listed under Communication, Film Studies, Journalism, and Speech.
BRDCST 1, Introduction to Broadcasting 3 units
Transfer: CSU
• Prerequisite: None.
Radio, television, and related electronic media are introduced in this course with emphasis on history, programming, FCC regulations, operations, economics, and social impact. The course also includes an examination of the newer technologies such as the Internet, cable, direct broadcast satellites, computers, wireless phones, and the communications technology revolution.

BRDCST 2, Broadcasting Programming and Management 3 units
Transfer: CSU
• Prerequisite: None.
Principles of radio and television programming and management, including program sources, programming theories, station organization, community involvement, market demographics, and fulfillment of FCC requirements are covered in this course.

BRDCST 3A, Broadcasting Announcing and Production 3 units
Transfer: CSU
• Prerequisite: None.
Training and practical experience in announcing for radio and television and for radio control room operation, combining voice, recordings, editing, and other elements in broadcasting performance and production.

BRDCST 4A, Newscasting and Newswriting 3 units
Transfer: CSU
• Prerequisite: None.
This course familiarizes the student with the expectations of journalism by the public and teaches the student the basic newswriting guidelines used in broadcast journalism. Through newswriting assignments and exercises, the student will become adept in basic broadcast news writing. Broadcasting 4A is the same course as Journalism 4A. Students may receive credit for one, but not both.

BRDCST 4B, Advanced Newscasting and Newswriting (3,3) 3 units
Transfer: CSU
• Prerequisite: Broadcasting 4A.
This is a continuation of Broadcasting 4A/Journalism 4A and through this course the student will learn how to write broadcast copy for a variety of news situations in radio and television. Assignments including writing broadcast copy for SMC’s campus station KWRF: Issues in media ethics and career opportunities will also be discussed. Broadcasting 4B is the same course as Journalism 4B. Students may receive credit for one, but not both.

BRDCST 5A, Sportscasting Fall Sports (3,3) 3 units
Transfer: CSU
• Prerequisite: None.
Sports reporting for broadcast media, including a study of sources of information, statistics and personal backgrounds on athletics, as well as techniques of interviewing, color reporting, and play-by-play announcing are covered in this course. Field work in coverage of football and other fall sports involves interview shows with coaches, players, and sports figures.

BRDCST 5B, Sportscasting Spring Sports (3,3) 3 units
Transfer: CSU
• Prerequisite: None.
This course is a continuation of sports reporting for the broadcast media with emphasis on techniques of interviewing, color reporting, and play-by-play announcing for spring sports, including baseball, basketball, and track. Field work involves interview shows with coaches, players, and sports figures.

BRDCST 8, Broadcast Advertising 3 units
Transfer: CSU
• Prerequisite: None.
This course examines advertising as an economic support for commercial broadcast, cable, and related telecommunications media. Audience surveys, rate structures, client, ad rep firms and advertising agency relationships are discussed and explored.
Broadcast Advertising 8 is the same course as Business 33. Students may receive credit for one, but not both.

BRDCST 9, Broadcasting Workshop (3,3) 3 units
Transfer: CSU
• Prerequisite: Broadcasting 3A or 4A.
This course offers further training and practical experience in producing and announcing for radio. Students use digital audio workstations to produce commercials, newscasts, promos and various other audio projects. Lecture topics include an overview of current industry trends, plus instruction on voiceovers, digital editing and mixing, podcasting, Internet streaming and satellite radio. Students will also have the opportunity to host a weekly radio show to help prepare them for professional radio station work. One repeat of the course is allowed.

BRDCST 46, Television Production 3 units
Transfer: CSU
• Prerequisite: None.
This course provides basic training in the use of television equipment and facilities; camera operations; audio and video control; lighting; graphics; editing; portable video, and audio production techniques.

BRDCST 48, Television Field Production Workshop (3,3) 3 units
Transfer: CSU
• Prerequisite: Broadcasting 3A or 46.
This course encompasses the production of a variety of television programs developed by students and faculty to air on cable access and educational access television channels. Production responsibility for video segments supplied to The Corsair newspaper online edition.
BRDCST 90A, Broadcasting Internship  1 unit
Transfer: CSU
•  Prerequisite: Broadcasting 1 or 3A or 4A.
Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.
This experience acquaints the student with the career fields of radio, television and other media related industries and services. Students spend required hours each week interning with a pre-arranged broadcast media or support facility. Students must have taken or be concurrently enrolled in a minimum of one broadcasting class, with a minimum of 7 units (including the internship), maintained throughout the semester at SMC. Limited availability.

BRDCST 90B, Broadcasting Internship  2 units
Transfer: CSU
•  Prerequisite: Broadcasting 1 or 3A or 4A. Students must arrange an approved internship prior to enrolling in this class.
F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.
This experience acquaints the student with the career fields of radio, television and other media related industries and services. Students spend required hours each week interning with a pre-arranged broadcast media or support facility. Students must have taken or be concurrently enrolled in a minimum of one broadcasting class, with a minimum of 7 units (including the internship), maintained throughout the semester at SMC. Limited availability.

Business

BUS 1, Introduction to Business  3 units
Transfer: UC, CSU
•  Prerequisite: None.
•  Skills Advisory: Eligibility for English 1.
This course provides the student with an overview of business in an increasingly global society. Students will complete the course with knowledge of the general business environment, economic systems, business ethics, operations and project management, and technology and information systems. In addition, students will learn the fundamentals of economics, business ownership, entrepreneurship, finance, management, and marketing. Key themes woven throughout the course include exploration of career options, and development of business problem-solving skills.

BUS 4, Leisure Industries and Tourism  3 units
Transfer: CSU
•  Prerequisite: None.
This course covers the historical and philosophical foundations of commercial recreation, hospitality, tour, and travel industries. It identifies the providers of goods and services and the career opportunities available in this industry. Students analyze the current trends in leisure enterprises including travel, tourism, hotels, motels, theme parks, event management, special events, meetings, conventions, and allied leisure industries. Each student will develop a commercial recreation business plan and a tourism destination business plan with the assistance of computer software.

BUS 5, Business Law  3 units
Transfer: UC, CSU
•  CAN: Business 8.
•  Prerequisite: None.
This course studies the legal rights and responsibilities of individuals, agencies, partnerships, and corporations as they apply to contract law. *Maximum UC credit for Business 5 and 6 is one course (three units).

BUS 6, Advanced Business Law  3 units
Transfer: UC, CSU
•  Prerequisite: Business 5.
This course covers advanced topics in agency, partnerships, corporations, LLCs, torts, legal procedures, and other advanced topics. *Maximum UC credit for Business 5 and 6 is one course (three units).
BUS 6 is the same course as ACCTG 26. Students may earn credit for one but not both.

BUS 11, Introduction to the Hospitality Industry  3 units
Transfer: CSU
•  Prerequisite: None.
This course provides students with an introduction to the lodging and food service industry, explaining the interrelationships of tourism, lodging, and food service within the industry. The course covers the history of the lodging and food service industry, description and such concepts as globalization of the industry, organization and structure, management, marketing and sales, and human resources. Career opportunities and requirements for success in each field are presented.

BUS 20, Principles of Marketing  3 units
Transfer: CSU
•  Prerequisite: None.
This course introduces modern business marketing concepts and strategies and familiarizes the student with standards, procedures, and techniques used in marketing. Topics include marketing research, consumer behavior, product and pricing strategies, marketing communications, and distribution.

BUS 21, Merchandising Principles  3 units
Transfer: CSU
•  Prerequisite: None.
This course provides an introduction to retailing concepts and strategies used by contemporary merchandisers. Special attention will be given to the theory and practice involved in such merchandising activities as sales transactions, customer services, types of merchandising institutions, store operation and policies, store layout and fixtures, advertising, and display.

BUS 22, Introduction to Advertising  3 units
Transfer: CSU
•  Prerequisite: None.
Advertising psychology, strategies, and methods are covered in this introduction to the field. Topics include planning advertising campaigns for all types of media. Class projects give the student practice in creating and communicating ideas using advertising techniques.
BUS 23, Principles of Selling 3 units
Transfer: CSU

Prerequisite: None.

The nature of selling today is both a business and an art. In this course, we will explore sales as a means for achieving career objectives. Special emphasis will be placed on combining techniques of presentation, poise, and refinement with psychology and marketing fundamentals to assist students in developing a critical understanding of consumer behavior in the sales environment, and gaining confidence in "selling" their career goals.

BUS 24, Creative Selling 3 units
Transfer: CSU

Prerequisite: None.

This course involves the process of analyzing the potential customers’ needs and wants, and assisting them to discover how these needs and wants can be best satisfied. The entire process is done by emphasizing each student’s creative ability. The proper use of merchandising to stimulate customer desire and to overcome customer resistance is included.

BUS 25, Principles of Merchandising Display 3 units
Transfer: CSU

Prerequisite: None.

This course surveys the techniques, styles, and variations of presenting tangible merchandise in physical and print formats. Color theory, design principles, and consumer focal interests are incorporated with advertising and sales techniques to detail how and why products are sold in the retail sector.

BUS 26, Marketing Research and Consumer Behavior 3 units
Transfer: CSU

Prerequisite: None.

The marketing research portion of the course includes the allocation and usage of secondary as well as primary data sources, the understanding of basic concepts, the collection of information, the proper analysis of the data acquired, and the screening of sample applications. The consumer behavior section of the course will introduce the student to knowledge, concepts, and models that use consumer behavior to generate explanations for the behavior of individual consumers and groups, the decisions they make, and the culture they live in. The final section of the course focuses on the application of marketing research and consumer behavior. The student will learn how these skills can help them in business, as well as how to build their own research study.

BUS 27, Introduction to e-Commerce 3 units
Transfer: CSU

Advisory: A working knowledge of Windows and the Internet.

Students will learn the technological and strategic aspects of electronic commerce essential to succeeding in today’s internet-based economy. No background in e-commerce is necessary. This is a lecture and theoretical course which covers the key technologies used in e-Commerce, the history of internet and web technologies, infrastructure, and the economic forces behind e-Commerce. Business goals and constraints, technology and process tools, business strategies and tactics, and underlying economic theories relating to successful e-Commerce will be discussed.

BUS 27 is the same course as CIS 27. Students may receive credit for one but not both.

BUS 28, Integrated Marketing Communications 3 units
Transfer: CSU

Prerequisite: None.

This course addresses strategies marketers may use to best communicate with consumers. Integrated Marketing Communications pulls together all aspects of marketing communication, providing a more complete treatment of sales promotion, point-of-purchase communications, advertising media, personal selling, public relations, and publicity.

BUS 29, Public Relations and Publicity 3 units
Transfer: CSU

Prerequisite: None.

This is a survey course of basic principles and objectives of public relations, including publicity and promotion techniques. Emphasis is on the tools, such as media and publication, in planning public relations programs. Business 29 is the same course as Journalism 43. Students may earn credit for one, but not both.

BUS 31, Business English Fundamentals 3 units
Transfer: CSU

Skills Advisory: Eligibility for English 1.

This practical application of business words and procedures places emphasis on use of business terms, grammar, spelling, punctuation, sentence, and paragraph structure. This course is recommended instead of English 1 for Business and CIS majors.

BUS 32, Business Communications 3 units
Transfer: CSU

Prerequisite: English 1 or Business 31.

This course will survey the principles and techniques of business communication as a tool for business decision-making. Methods of investigating, organizing and presenting business data and ideas are covered. Ethical and legal implications as well as other critical thinking techniques are emphasized. Focus is on effective oral and written business communications.

BUS 33, Broadcast Advertising 3 units
Transfer: CSU

Prerequisite: None.

This course examines advertising as an economic support for commercial broadcast, cable, and related telecommunication media. Audience surveys, rate structures, client, ad rep firms and advertising agency relationships are discussed and explored. Business 33 is the same course as Broadcasting 8. Students may receive credit for one, but not both.

BUS 45, Individual Financial Planning 3 units
Transfer: CSU

Prerequisite: None.

This course provides students with the tools to achieve their personal financial goals. It will help them make informed
decisions related to spending, saving, borrowing, and investing. Topics covered include personal financial planning; money management; tax strategy; consumer credit; purchasing decisions; insurance; investing in stocks, bonds, mutual funds, and real estate; and estate planning. 

Business 45 is the same class as Accounting 45. Students may earn credit for one, but not for both.

**BUS 46, Introduction to Investments** 3 units
Transfer: CSU
- Prerequisite: None.

This course provides a comprehensive view of securities, markets, and investment techniques, ranging from simple investment programs to advanced speculative market techniques.

**BUS 50, Introduction to International Business** 3 units
Transfer: CSU
- Prerequisite: None.

This course focuses on general business problems, techniques, and strategies necessary in the development of business activities in the world marketplace. The course is designed to promote an understanding of the impact that a country's culture and environment has on a firm's international operations. The course also covers present trends in management, finance, communications, marketing, and ethics.

**BUS 51, Intercultural Business Communication** 3 units
Transfer: CSU
- Prerequisite: None.

This course satisfies Santa Monica College’s American Cultures requirement.

This course is designed to heighten awareness of culture and its impact on successful business enterprises. The student will develop skills to identify areas where culture and business intersect by focusing on four subsets of American culture (European Americans, Chicano/Latinos, African Americans and Asian Americans) as well as on international cultures. Emphasis will be placed on how a firm’s success is affected by both domestic and global issues influencing intercultural communication.

**BUS 52, International Marketing** 3 units
Transfer: CSU
- Prerequisite: None.

This course focuses on marketing management problems, techniques and strategies necessary to incorporate the marketing concept into the framework of the world marketplace. This course is designed to promote an understanding of the impact that a country's culture and environment have on the marketing mix as well as the problems of competing in markets having different cultures.

**BUS 53, Importing and Exporting** 3 units
Transfer: CSU
- Prerequisite: None.

This course presents an overview of importing and exporting terms and techniques. Topics include letters of credit, marketing, organization, regulation, terms of access, documenta-

**BUS 54, International Management** 3 units
Transfer: CSU
- Prerequisite: None.

This course focuses on international business problems, as well as the techniques and strategies necessary in the development of business activities in the world marketplace. The course is designed to promote an understanding of global trends and the decision-making processes involved in international political policies, risk management, conflict resolution, tariffs, and nationalism.

**BUS 55, Southern California’s International Connections** 3 units
Transfer: CSU
- Prerequisite: None.

This course provides an overview of Southern California’s economy, its people, and its role in the global economic system. Using a variety of tools, students will be introduced to the vital commercial, financial, and personal connections that make Southern California one of the most diverse and globally connected places in the world. Special attention is devoted to key regional institutions that mediate the region’s global connections, and to a comparison of Southern California with other major global cities.

**BUS 62, Human Relations and Ethical Issues in Business** 3 units
Transfer: CSU
- Prerequisite: None.

This course provides concrete guidance in using human relations skills in the workplace that will promote working effectively with others. Strategies are integrated throughout the course that will enable students to apply human relations theories and applications to the real world of work. Ethical issues in business are addressed where students will learn an explicit process of ethical reasoning that will aid in defining and dealing with dilemmas in the workplace. Current events and case studies will be used to develop critical skills as students apply theories and principles.

**BUS 63, Principles of Entrepreneurship** 3 units
Transfer: CSU
- Prerequisite: None.

This course covers the principles of organizing and operating a small business. Topics to be covered include developing a business plan, franchising, legal aspects, financial and accounting, marketing, human relations, and social responsibility.

**BUS 64, Business Protocol and Professionalism** 1 unit
Transfer: CSU
- Prerequisite: None.

To become successful and competitive in an ever-changing
BUS 65, Management Principles 3 units
Transfer: CSU
- Prerequisite: None.
This course presents an introduction of management concepts and strategies used by modern businesses. The course is designed to familiarize students with the accepted standards, procedures, and techniques employed by corporate, business, and functional level managers. Further, the course provides students with an understanding of the role of management and how to develop plans and execute strategies in pursuit of organizational goals.

BUS 67, Business Strategies 3 units
Transfer: CSU
- Prerequisite: None.
This course is designed to provide students with an introduction to the “management of strategy” in the business enterprise. A case-oriented format has been adopted to focus attention on what a firm should do in an actual business situation, and to provide students with numerous opportunities to develop and exercise their analytical and decision-making skills.

BUS 72, Organizational Management and Leadership 3 units
Transfer: CSU
Advisory: Business 62.
This course examines the special case of detailed planning and implementation of management decisions in strategic business units. Attention is focused on three areas: developing action plans and implementation strategies; developing awareness of the contingencies to be considered in taking strategic actions, and investigating how different academic disciplines interpret the leadership phenomenon. This course highlights key criteria used in assessing the viability of an organizational action plan, and the role of leadership in managing constructive change processes.

BUS 76, Human Resources Management 3 units
Transfer: CSU
- Prerequisite: None.
Human resource management encompasses those activities designed to provide for and coordinate the human resources of an organization. This course is fashioned to emphasize both the theoretical and practical aspects of human resource management. Topics of special interest include equal employment opportunity; staffing the organization; training and developing employees; employee compensation; understanding unions; and organizational maintenance, communication, and information systems.

BUS 79, Bargaining and Negotiations 3 units
Transfer: CSU
- Prerequisite: None.
Managerial negotiation, a feature central to labor-management relations, is a common everyday activity that most people use to influence others and to achieve personal objectives. This course integrates theoretical research from the field of social psychology, the literature on collective bargaining from the arena of labor relations, and the "how to do it" writings of popular works on negotiations, and applies them to managerial negotiation. Of particular interest are the areas of persuasion and attitude change, power, conflict management, and justice in organizations. A variety of experientially-based role plays, simulations, questionnaires, and cases are adopted to highlight key aspects of the negotiation process.

BUS 80, Principles of Logistics 3 units
Transfer: CSU
- Prerequisite: None.
This course provides an overview of how firms use distribution intermediaries to gain a competitive advantage in local and global markets through the integration of logistics and supply chain management. The management of the physical flow of products and information throughout the entire supply chain is examined, including physical distribution, transportation, warehousing, customer service, materials management, third-party and global logistics, systems planning, and operations and management of the supply chain.

BUS 88A, Independent Studies in Business 1 unit
Transfer: CSU
Please see “Independent Studies” section.

BUS 88B, Independent Studies in Business 2 units
Transfer: CSU
Please see “Independent Studies” section.

BUS 88C, Independent Studies in Business 3 units
Transfer: CSU
Please see “Independent Studies” section.

BUS 90A, Business Internship 1 unit
Transfer: CSU
- Prerequisite: None.
Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with “real life” experience in a business environment. Students will work with a local company to apply academic business principles.

BUS 90B, Business Internship 2 units
Transfer: CSU
- Prerequisite: None.
Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.
The Internship Program is designed to provide the student with "real life" experience in a business environment. Students will work with a local company to apply academic business principles.

**BUS 90C, Business Internship** 3 units

Transfer: CSU
- Prerequisite: None.

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with "real life" experience in a business environment. Students will work with a local company to apply academic business principles.

**BUS 91A, Marketing Internship** 1 unit

Transfer: CSU
- Prerequisite: None.

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to give students "real life" marketing experience by forming their own marketing promotions agency with the assistance of a local marketing promotions firm. Using a budget, students research, design, present, and execute a custom made, on-campus promotion. After the promotion, students do post-research to gauge effectiveness of the promotion. This program is unique in that students execute their own marketing ideas using real business practices.

**BUS 91B, Marketing Internship** 2 units

Transfer: CSU
- Prerequisite: None.

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to give students "real life" marketing experience by forming their own marketing promotions agency with the assistance of a local marketing promotions firm. Using a budget, students research, design, present, and execute a custom made, on-campus promotion. After the promotion, students do post-research to gauge effectiveness of the promotion. This program is unique in that students execute their own marketing ideas using real business practices.

**BUS 95, International Business Internships** 2 units

Transfer: CSU
- Prerequisite: None.

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at IEC before enrolling.

The Internship Program is designed to provide the student with "real life" experience in an international business environment. Students will work with either a domestic or a foreign based company to apply academic business principles.

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**Chemistry**

Students must be present at the first lab session of a chemistry course to be assured of admission to limited lab spaces.

**CHEM 9, Everyday Chemistry** 5 units

Transfer: UC, CSU
IGETC AREA 5A (Physical Sciences + LAB)
- Prerequisite: Math 31.

This course serves to fulfill the general education requirements for a laboratory science course. Students who successfully complete this course will understand basic chemical principles and how these principles relate to the world around them. They will also learn various lab techniques, including the safe handling of chemicals and the proper use of laboratory equipment.

**CHEM 10, Introductory General Chemistry** 5 units

Transfer: UC, CSU
IGETC AREA 5A (Physical Sciences + LAB)
- Prerequisite: Math 31.

*U.C. gives no credit for Chemistry 10 if taken after Chemistry 11.

This course is an introductory laboratory course that fulfills the prerequisite for Chemistry 11 and 12. It introduces principles, laws, and nomenclature of inorganic chemistry, organic chemistry, and biochemistry.

**CHEM 11, General Chemistry I** 5 units

Transfer: UC, CSU
IGETC AREA 5A (Physical Sciences + LAB)
- Prerequisite: Chemistry 10 and Math 20.

Students seeking waiver of the Chemistry 10 prerequisite should take the Chemistry 10 Challenge Exam.

This course is the first semester of a two semester, standard first year college chemistry course (Chem 11 & Chem 12). It introduces the fields of physical, organic, inorganic, and biological chemistry. Topics to be discussed include atomic structure, chemical bonding, common types of reactions, stoichiometry, thermochemy, and the properties of gases, liquids, and solids.

**CHEM 12, General Chemistry II** 5 units

Transfer: UC, CSU
IGETC AREA 5A (Physical Sciences + LAB)
- Prerequisite: Chemistry 11 and Math 2.

This course is a continuation of Chemistry 11. Topics covered include kinetics, equilibrium, acid-base chemistry, precipitation reactions, coordination chemistry, thermodynamics, and electrochemistry.

**CHEM 21, Organic Chemistry I** 5 units

Transfer: UC, CSU
IGETC AREA 5A (Physical Sciences + LAB)
- Prerequisite: Chemistry 12.

This course is a systematic introduction to the chemistry of carbon compounds. It encompasses theory and reactions of hydrocarbons and functional group derivatives. Included are bonding and structure, nomenclature, stereochemistry, synthe-
sis, mechanism, and spectroscopic analysis. The laboratory work focuses on techniques of synthesis, isolation, purification, and analysis.

**CHEM 22, Organic Chemistry II** 4 units  
Transfer: UC, CSU  
IGETC AREA 5A (Physical Sciences)  
• Prerequisite: Chemistry 21.  
Maximum UC credit for Chemistry 22 and Chemistry 24 combined is 5 units.

This course is a continuation of Chemistry 21, with emphasis on the remaining functional groups and types of reactions. Also included is an introduction to the organic chemistry of biochemical compounds. Chemistry 22 includes lecture and discussion. The second semester of organic chemistry laboratory is a separate course, Chemistry 24. Chemistry 21 and 22 constitute two semesters of organic chemistry with one semester of organic chemistry laboratory. Chemistry 21, 22, and 24 constitute two semesters of organic chemistry with two semesters of laboratory.

**CHEM 24, Organic Chemistry II Laboratory** 2 units  
Transfer: UC, CSU  
IGETC AREA 5A (Physical Sciences lab)  
• Prerequisite: Chemistry 21.  
Maximum UC credit for Chemistry 22 and Chemistry 24 combined is 5 units.

This course is the second semester of organic chemistry laboratory. The laboratory work involves synthesis, structure determination, reaction mechanisms, and qualitative analysis. The lectures will discuss the theory and techniques that relate to the experiments that are performed, including NMR, IR, organic qualitative analysis, and various forms of chromatography.

**CHEM 31, Biochemistry I** 5 units  
Transfer: UC, CSU  
IGETC AREA 5A (Physical Sciences, + LAB)  
• Prerequisite: Chemistry 22.  
• Advisory: Skill levels equivalent to those taught in Chinese 2.

This course is a survey of biochemistry, introducing the student to the structure and function of important biochemical compounds as well as to the central reactions of metabolism. The main topics include the structure and function of proteins, carbohydrates, and lipids; the catalysts, kinetics, and regulation of enzymes; the reactions of glycolysis, the citric acid cycle, oxidative phosphorylation, gluconeogenesis, and the pentose phosphate pathway. The laboratory section of the course provides an introduction to common biochemistry lab procedures including amino acid titration, peptide analysis, column chromatography, spectroscopy, gel-electrophoresis, and the kinetic analysis of enzyme-catalyzed reactions.

**Chinese**

Additional hours to be arranged in the Modern Language Lab for Chinese 1 and 2.

**CHINESE 1, Elementary Chinese I (Mandarin)** 5 units  
Transfer: UC, CSU  
IGETC Foreign Language (required for UC only)  
• Prerequisite: None.

Using an audio-lingual approach, this course teaches pronunciation, vocabulary, and grammar fundamentals as essential elements in reading, writing, and understanding elementary Chinese. The course also covers necessary culture, customs, philosophy, and history which serve as keys to studying the Chinese language.

**CHINESE 2, Elementary Chinese II** 5 units  
Transfer: UC, CSU  
IGETC Foreign Language (required for UC only)  
• Prerequisite: Chinese 1*.

This course is a continuation of Chinese 1 and covers the elementary grammar. It includes the reading of simplified texts with emphasis on oral expression and further study of Chinese history and culture.  
*The prerequisite for this course is comparable to two years of high school Chinese.

**CHINESE 3, Intermediate Mandarin I** 5 units  
Transfer: UC, CSU  
IGETC AREA 3 (Humanities)  
• Prerequisite: Chinese 2*.  
• Advisory: Skill levels equivalent to those taught in Chinese 2.

This course builds on language skills developed in Chinese 1 and 2. The course will complete and review basic grammar and key sentence patterns of Chinese, provide practice in the appropriate use of idiomatic expressions, and further develop skill in reading and writing Hanzi (Chinese characters). It will also build vocabulary, expand reading comprehension, and encourage extensive conversation in Chinese. It will cover additional aspects about Chinese culture and history.  
*The prerequisite for this course is comparable to three years of high school Chinese.

**CHINESE 8, Conversational Mandarin** 2 units  
Transfer: CSU  
• Advisory: Students should have skill levels equivalent to that taught in Chinese 2.

This course provides an opportunity for the student to acquire better speaking skills in Chinese with the emphasis on natural, colloquial usage. New vocabulary and idiomatic phrases will be emphasized and the student will hold conversations in Mandarin during each class.

**Cinema**

Please see listing under "Film Studies."

**Communication**

Also see courses listed under Broadcasting, Film Studies, Journalism, and Speech.

**COMM 1, Survey of Mass Media Communications** 3 units  
Transfer: UC, CSU  
IGETC AREA 4G (Social & Behavioral Sciences)  
• Prerequisite: None.
This course introduces aspects of communications and the impact of mass media on the individual and society. The survey includes newspapers, magazines, radio, television, cable, motion pictures, online media, advertising, public relations, theories of communication, and mass communication modes, processes and effects.

**COMM 2, Reading Media: Acquiring Media Literacy Skills** 3 units

Transfer: CSU

- Prerequisite: None

This course will acquaint students with the inquiry process as applied to electronic and print media texts from sources such as television, radio, film, podcasting, World Wide Web sites and video games. Students will gain the necessary skills to understand their multi-media world and its many layers of meanings and messages. Students will learn to “read” and design visual, as well as print messages through the processes of analysis, deconstruction and decoding. This course is designed to meet Information Competency guidelines.

**COMM 10, Journalism, Gender, and Race** 3 units

Transfer: UC (meets UC Berkeley American Cultures graduation requirement); CSU

IGETC AREA 4A (Social and Behavior Sciences)

- Prerequisite: None.

This course satisfies Santa Monica College’s American Cultures requirement.

This multi-media course is an overview of print and broadcast journalism in the U.S. from World War I to the present. Using readings from selected texts, old newsreels, clips from movies, radio and television broadcasts, as well as period literature, students will analyze and debate the changes in journalism with particular focus on social class, gender, and ethnicity. Critical thinking will be stressed in this course.

**COMM 88A, Independent Studies in Communication** 1 unit

Transfer: CSU

Please see “Independent Studies” section.

**COMM 88B, Independent Studies in Communication** 2 units

Transfer: CSU

Please see “Independent Studies” section.

**Computer Applications**

Keyboarding skills of 25 words per minute or enrollment in OFTECH 1A or 9 are recommended for computer applications classes.

**CIS 1, Computer Concepts with Applications** 3 units

Transfer: UC*, CSU

- Prerequisite: None.

*No UC credit for CIS 1 or 4 if taken after CS 3.

This beginning course covers the broad use of personal computers. Topics include a description of microcomputer components, input and output devices, networking, and micro-processing concepts. Beginning word processing, spreadsheet, database, Internet, Windows, and programming concepts are introduced. Hands-on experience is provided in a microcomputer lab. Note: Programming, computer science or engineering students should enroll in Computer Science 3.

*No UC credit will be granted if taken after CS 3. This course uses Microsoft Windows XP and Microsoft Word 2003.

**CIS 4, Introduction to Computers, Business Applications** 3 units

Transfer: *UC, CSU

- Prerequisite: None.

Ability to keyboard 25 words per minute is recommended. *No UC credit for CIS 1 or 4 if taken after CS 3.

This course covers the broad use of microcomputers in business. Designed to familiarize students with the Microsoft Office Suite, it includes the study of word processing using Word, spreadsheet using Excel, database using Access, and presentation software using PowerPoint as well as Windows, Internet Explorer, and integration concepts. Hands-on experience in a microcomputer lab is included.


**CIS 9A, Technology Project Management I** 3 units

Transfer: CSU

- Prerequisite: CS 3 or CIS 1.

This course covers the fundamentals of Project Management theory, implementation, and best practices. It is aimed at students who work mostly in the Technology sectors covering software and website development, and other areas of computer science or information systems. Students will learn the theory, as well as the use of Project Management software to plan, track and manage project resources. Topics covered include project life cycles, tasks, schedules, resources, and costs. **CIS 9A is the same course as CS 9A. Credit may be earned for one, not both.**

**CIS 9B, Technology Project Management II** 3 units

Transfer: CSU

- Prerequisite: CIS 9A or CS 9A

This course covers advanced topics of Project Management theory and practice. Students will learn how to manage projects with changing tasks and schedules, and to adjust their resources and budgets. Also covered are leadership and communication skills. Students will complement the theory with case studies and the use of Project Management software.

**CIS 19, Geographic Information Systems for Business** 3 units

Transfer: CSU

- Prerequisite: None.

A working knowledge of Windows and the Internet or concurrent enrollment in GIS 20 or Geography 20 is recommended.

This introductory course focuses on understanding and utilizing Geographic Information Systems solutions in business
and is not a substitute for the basic GIS course. Students will apply the use of ArcView GIS to identify and display retail markets, evaluate the suitability of sites for establishing or relocating a business or to expand sales territories. Emphasis will be on the marketing, insurance, retail, real estate, and transportation industries.

CIS 19 is the same course as GIS 19 and Geography 19. Students may earn credit for one.

**CIS 20, Introduction to Geographic Information Systems** 3 units

Transfer: UC, CSU

- **Prerequisite:** None.

This course is an introduction to the concepts and applications of Geographic Information Systems (GIS). Students will be introduced to cartographic principles as well as the history, uses, requirements, and basic operations of a GIS.

CIS 20 is the same course as Geography 20 and GIS 20. Students may receive credit for one course only.

**CIS 21, Geographic Information Systems for Law Enforcement** 3 units

Transfer: CSU

- **Prerequisite:** None.

This introductory course will focus on understanding and utilizing GIS for law enforcement. Students will utilize ArcView GIS software in a hands-on computer setting to identify and display crime data, evaluate Part I and II crime activity, gang activity, etc., on maps. Emphasis will be on GPS locations of crime incidents, clustering of thefts, burglaries, rapes, bank robberies, and plot victim locational and demographic characteristics. Students will track and evaluate patrol assignments and fleet unit routing to create more effective utilization patterns. US Census, DOJ CRS and local governmental data shall be utilized in creating crime maps.

CIS 21 is the same class as GIS 21. Students may earn credit for only one course.

**CIS 23, Intermediate Geographic Information Systems** 3 units

Transfer: CSU

- **Prerequisite:** CIS 20.

This course introduces students to a variety of geographic information systems functions using ArcView's vector based software. Students will learn the GIS software using vector data in laboratory exercises, including assigned classroom exercises and individual projects. Students will learn through the intermediate functions of ArcView to more advanced functions, including analysis of data.

CIS 23 is the same course as CIS 23 and GIS 23. Students may receive credit for one.

**CIS 27, Introduction to e-Commerce** 3 units

Transfer: CSU

**Prerequisites:** None.

- **Skills Advisory:** A working knowledge of Windows and the Internet.

Students will learn the technological and strategic aspects of electronic commerce essential to succeeding in today's internet-based economy. No background in e-commerce is necessary. This is a lecture and theoretical course which covers the key technologies used in e-Commerce, the history of internet and web technologies infrastructure, and the economic forces behind e-Commerce. Business goals and constraints, technology and process tools, business strategies and tactics, and underlying economic theories relating to successful e-Commerce will be discussed.

CIS 27 is the same course as Business 27. Students may receive credit for one, but not both.

**CIS 30, Microsoft Excel** 3 units

Transfer: CSU

- **Prerequisite:** CIS 4.

This course includes a detailed study of business applications using Microsoft Excel spreadsheet package. Topics include the commands, formats, and functions of Excel with emphasis on its use as a problem solving and financial analysis tool. Students will also learn to create macros, customize toolbars and menus, and integrate Excel with other applications and the World Wide Web. Students will also have an introduction to writing Visual Basic code.

CIS 30 has replaced CIS 31 in all CSIS degree and certificate programs. This course uses Microsoft Excel 2003 Professional.

**CIS 32, Microsoft Access** 3 units

Transfer: CSU

- **Prerequisite:** CIS 4.

This course presents an introduction to relational database management systems using Microsoft Access. Topics include: designing, maintaining, and querying a database; creating forms, reports, macros, custom toolbars, and menus; integrating Access with other applications and the World Wide Web; and an introduction to writing Visual Basic code.

This course uses Microsoft Access 2003.

**CIS 33, Advanced Database Management (Access)** 3 units

Transfer: CSU

- **Prerequisite:** CIS 32.

Students will learn some of the advanced topics of Access 2002 (XP), including reviewing database objects; designing and documenting a database; using import wizards, action queries and SQL; designing complex forms; creating complex reports and queries; customizing the user interface; using visual basic for applications, error handling, combo box programming and ActiveX Controls; introduction to object models; securing the database; and connecting to the Web.

**CIS 34, Advanced Excel with Visual Basic for Applications** 3 units

Transfer: CSU

- **Prerequisite:** CIS 30.

This course provides Excel users with the knowledge, skills and techniques needed to write macros using Visual Basic for Applications (VBA) within the Excel environment. The course helps users to automate repetitive tasks, customize Excel menus, buttons and screens, and create user friendly interface for input and output. The course covers basic programming techniques used in Visual Basic and VBA.

This course uses Microsoft Excel 2003.
CIS 35, QuickBooks
Transfer: CSU
• Prerequisite: Accounting 1.
   This course provides the student with a realistic approach to computerized, integrated accounting principles using QuickBooks software. It acquaints the student with basic features of the software including creating, revising, storing, and printing documents. It is offered as a brief overview of the software.

CIS 36C, Spreadsheet – Short Course 1 unit
Transfer: CSU
• Prerequisite: None.
   This short introductory course in spreadsheet software acquaints the student with basic features of the software including creating, editing, formatting, and printing of electronic worksheets. It is offered as a brief overview of the software.

CIS 36F, Introduction to Windows – Short Course 1 unit
Transfer: CSU
• Prerequisite: None.
   This beginning course covers Microsoft Windows, a graphical user interface and operating environment for the IBM compatible PC. Topics include the basics of using a “mouse”; icons; opening, closing, and manipulating “windows”; using Explorer; and working with multiple programs at once (multitasking). My Computer, Network, Neighborhood, Recycle Bin, Start button and the Task bar will also be explored. Hands-on experience is provided in a microcomputer lab.

CIS 36G, Introduction to Internet – Short Course 1 unit
Transfer: CSU
• Prerequisite: None.
• Skills Advisory: Working knowledge of Windows.
   This hands-on short course provides an introduction to the Internet and experience navigating the World Wide Web. Using Netscape Communicator, you will learn to use e-mail, search for information, visit interesting web sites, create and save your own bookmark list, maintain an address book, download files, and create your own individual web page. The history of the Internet, proper on-line etiquette, and relevant social and ethical issues will be discussed.

CIS 36I, Microsoft Access – Short Course 1 unit
Transfer: CSU
• Prerequisite: None.
• Skills Advisory: Working knowledge of Windows.
   This short introductory course in Access software acquaints the student with basic features of the software, including creating, retrieving, and printing electronic databases. It is offered as a brief overview of the software.

CIS 36J, Word Processing – Short Course 1 unit
Transfer: CSU
• Prerequisite: None.
• Skills Advisory: Working knowledge of Windows.
   This short introductory course in word processing (Microsoft Word) acquaints the student with basic features of the software including creating, revising, storing, and printing documents. It is offered as a brief overview of the software.

CIS 36P, Microsoft PowerPoint 1 unit
Transfer: CSU
• Prerequisite: None.
• Skills Advisory: Working knowledge of Windows.
   This hands-on short course on presentation software teaches the use of Microsoft PowerPoint for business applications. Presentations, handouts, and speaker notes are designed, created, and formatted, using PowerPoint. Students will use graphics, templates, and objects to enhance presentations. Hands-on experience is provided in a microcomputer lab.

CIS 36R, Microsoft Office Publisher 1 unit
Transfer: CSU
• Prerequisite: None.
   This course introduces students to Microsoft Office Publisher, a popular desktop publishing software program. Students learn to create a variety of marketing and communication publications for desktop and commercial printing, e-mail distribution, and viewing on the Web. Publications include catalogues, brochures, newsletters, flyers, invitations, menus, certificates, labels, and web pages.

CIS 36T, Introduction to Turbo Tax 1 unit
Transfer: CSU
• Prerequisite: Accounting 15 or prior tax preparation experience.
   This course will teach students how to prepare Federal income tax returns and California individual income tax returns using Turbo Tax software.

CIS 36V, Voice Recognition, Beginning 1 unit
Transfer: CSU
• Prerequisite: None.
   This course introduces voice-recognition software used to input information into the computer by voice rather than by keyboard. Focus will be on learning dictation commands and techniques for continuous voice dictation. Voice commands for formatting and editing documents as well as for all menu and keyboard manipulations will be covered.

CIS 37A, Microsoft Word I 3 units
Transfer: CSU
• Prerequisite: CIS 1.
• Skills Advisory: Eligibility for English 1.
   Ability to keyboard 25 words per minute is recommended.
   Through the use of Microsoft Word software, skills are developed in creating, revising, formatting, storing, and printing a variety of business documents. Skills are developed from basic functions through utilizing features such as AutoText, columns, custom tab settings, mail merge, envelopes, labels, templates, headers/footers, footnotes, and editing tools. Emphasis is placed on office-quality production of documents.
   This course uses Microsoft Word 2003.
CIS 37B, Microsoft Word II
3 units
Transfer: CSU
  • Prerequisite: CIS 37A.
  
Using Microsoft Word, with an emphasis on the production of professional quality business copy, students learn to increase productivity through the use of automated features and multiple windows. Students develop problem solving skills through the repetitive use of document revisions and troubleshooting assignments. Additionally, students develop advanced skills in areas of interest ranging from legal applications to graphics and brochures or newsletters. This course uses Microsoft Word 2003.

CIS 38, Microsoft PowerPoint
3 units
Transfer: CSU
  • Prerequisite: CIS 1.
  
Through the use of PowerPoint software, skills are developed in planning, creating, formatting, enhancing and delivering presentations for business applications. Topics include audience analysis, selection of presentation media, and the creation and presentation of slides, transparencies, and posters. The use of animation, sound and other special effects, as well as Web publishing techniques, will be covered. This course uses Microsoft PowerPoint 2003.

CIS 39, MS Outlook—Comprehensive Course
3 units
Transfer: CSU
  • Prerequisite: CIS 1.
  
Microsoft Outlook has become a primary means of office communication and task management. In this course the student will learn to effectively use all features of Outlook e-mail, calendar, contacts, tasks, and notes; create and manage Outlook folders; collaborate with others for scheduling meetings and resources; configure and customize Outlook; integrate Outlook with Microsoft Word Mail Merge and Collaboration features; and convert e-mail attachments to Adobe Acrobat format.

CIS 40, InDesign
3 units
Transfer: CSU
  • Prerequisite: CIS 37A or CIS 4.
  • Skills Advisory: English 1 or Business 31.
  
Using desktop publishing software, students develop the skills to integrate text and graphics for designing, editing, and producing high-quality business applications. The honing of writing skills is emphasized as are the aesthetic and psychological components of layout and design. This course uses Adobe InDesign CS 2.

CIS 50, Internet, HTML, and Web Design
3 units
Transfer: CSU
  • Prerequisite: CIS 1
  
This hands-on course provides all the skills necessary to navigate, create and manage content on the World Wide Web. Students will become familiar with the Internet and its underlying technology and security. The course also covers the principles of Web page design, the use of graphics and other media files, and the creation of linked documents. Students will use both HTML and a Web authoring program to create and edit Web pages and will have the opportunity to put their Web sites online by publishing to a Web server.

CIS 51, Web Page Design Using XHTML and CSS
3 units
Transfer: CSU
  • Prerequisite: CIS 50.
  • Skills Advisory: Students should have a working knowledge of Windows.
  
XHTML is the next generation of HTML, a rewrite of HTML which adheres to XML standards. This hands-on course will explore the differences between HTML and XHTML, validating pages to current Web standards and using Cascading Style Sheets (CSS) exclusively to control the look and feel of a site. Students will create and enhance Web pages with links, graphics, tables, frames and forms. Proper use of XHTML and CSS can provide true separation of content, structure, and presentation in Web pages, making them structurally sound, easier to maintain, and more accessible to everyone.

CIS 52, Web Page Design with FrontPage
3 units
Transfer: CSU
  • Prerequisite: CIS 50.
  
This hands-on course provides complete coverage of FrontPage features from the basic to the advanced-needed to tackle Web projects with confidence. Topics include Web page creation, Web site management, and HTML. Students will create and enhance Web pages with links, graphics, tables, frames, and form application using FrontPage. They will learn how to create hotspots, incorporate JavaScript, use cascading style sheets, integrate office applications, and use the WebBot to build search tools and a table of contents for a Web site. Upon completing this course, students will be ready to plan, build, promote, and maintain a professional Web site including selecting a Web host and uploading the site to a Web server. This course uses Microsoft FrontPage 2003.

CIS 53, Microsoft Expression Web
3 units
Transfer: CSU
  • Prerequisite: CIS 50.
  
Microsoft Expression Web is a professional design tool used to build attractive, high-quality websites using HTML, DHTML, CSS, and XHTML. This hands-on course provides a complete coverage of Expression Web features from the basic to the advanced-needed to tackle Web projects with confidence. Topics include Web site creation, management, and optimization. Students will learn how to build the most accessible, standards-conformant websites possible. Upon completing this course, students will be ready to plan, build, promote, and maintain a professional website including selecting a Web host and uploading the site to a Web server.

CIS 54, Web Page Development and Scripting I
3 units
Transfer: CSU
  • Prerequisite: CIS 50 and CIS 51.
  
This course is for Web site designers who need to extend their skills beyond HTML in the development of Web sites through the use of scripting. The course covers both client and server side scripting. Topics include creating animated web
Course Descriptions

**CIS 59A, Dreamweaver I** 3 units
Transfer: CSU

- Prerequisite: CIS 50.

This is an introductory course in learning Web page design with Dreamweaver. Students will learn techniques for designing Web pages and expand their knowledge of HTML, Dynamic HTML, and JavaScript. Students will learn to integrate images, sound, and other multimedia using Dreamweaver. This course covers Web site creation and management features including Web file management, navigation bars, formatting text styles, Cascading Style Sheets, and content management. Upon completing this course, students will be ready to plan, build, upload, and maintain a professional Web site.

This course uses Macromedia Dreamweaver 8.

**CIS 59B, Dreamweaver II** 3 units
Transfer: CSU

- Prerequisite: CIS 59A.

This course examines advanced Web development techniques and concepts utilizing the Dreamweaver toolset. Topics covered include site architecture, Web project management, integration with dynamic Web development tools, code management and site enhancements. Students will learn to enhance the development of Dreamweaver Web pages utilizing server-side includes, dynamic XHTML & XML, and intelligent use of graphics and color schemes. Additional topics will include the CSS toolset, site management utilizing cascading templates & libraries, including cutting edge technologies (RSS, podcasting), and dynamic content design with XML and Dreamweaver’s database connection tools. Dreamweaver extension manager and use of extensions will also be covered.

This course uses Macromedia Dreamweaver 8.

**CIS 60A, Photoshop I** 3 units
Transfer: CSU

- Prerequisite: CIS 1.

This course is for the non-design student interested in learning Photoshop using personal computers (PCs). Students will learn image creation and editing using Adobe Photoshop. Students learn to create, repair and modify images, scan photos, plan composite images and create special effects for use in a variety of applications.

This class uses Photoshop CS2 in the Windows (PC) environment only.

**CIS 60B, Photoshop II** 3 units
Transfer: CSU

- Prerequisite: CIS 60A.

This course is for non-design students interested in learning the advanced features in Photoshop using personal computers (PCs). Students will learn to use advanced image creation and editing tools in Adobe Photoshop. Students will be able to create and modify images, text, and animation for the WEB as well as a variety of other applications.

This class uses Photoshop CS2 in the Windows (PC) environment only.

**CIS 61, Fireworks** 3 units
Transfer: CSU

- Prerequisite: CIS 50.

This hands-on course provides in-depth coverage of Fireworks features. Students will learn to create and understand graphics projects and Web Vector Objects. Topics include working with Web page objects using Vector Tools, importing, modifying and creating graphics. Students will learn how to modify
pixels on a Bitmap and manipulate images. This course covers masks, color, interactivity, creating animation, and creating sophisticated Web page navigation. Upon completion of this course, students will be ready to plan, build, modify, and optimize graphics designed for Web page format.

**CIS 62A, Flash I** 3 units
Transfer: CSU

- **Prerequisite:** CIS 50.

In this course students who are not design majors will learn to use Flash. Topics will include the creation of graphic elements using Flash's unique drawing tools, turning graphic elements into animation, and introduction to ActionScripting techniques for the creation of interactive movies and publish the flash movies to HTML and popular graphic formats. 

*This course uses Flash 8.*

**CIS 62B, Flash II** 3 units
Transfer: CSU

- **Prerequisite:** CIS 62A.

In this course, students who are non-design majors will learn to take their Flash skills to the next level by taking advantage of its scripting language, ActionScript, which offers a more robust programming model and better object-oriented programming support. Topics will include learning how ActionScript can control graphic, sounds, and text. To create user-interface elements, and learn how Flash communicates with outside applications such as Web browsers.

*This course uses Flash 8.*

**CIS 64, Illustrator** 3 units
Transfer: CSU

- **Prerequisite:** CIS 60A.

This course is for the non-design students interested in learning Adobe Illustrator using Personal Computers for Windows. Students will develop the skills and use a variety of tools to create sophisticated illustrations, logos, advertisements, and other business media graphics for the Web. *This course uses Adobe Illustrator CS2.*

**CIS 88A, Independent Studies in CIS** 1 unit
Transfer: CSU

Please see “Independent Studies” section.

**CIS 88B, Independent Studies in CIS** 2 units
Transfer: CSU

Please see “Independent Studies” section.

**CIS 90A, Internship in Computer Applications** 1 unit
Transfer: CSU

- **Prerequisite:** None.

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with the opportunity of on-site work experience in a computer lab. Students spend time weekly in a supervised computer facility.

**CIS 90B, Internship in Computer Applications** 2 units
Transfer: CSU

- **Prerequisite:** None.

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with the opportunity of on-site work experience in a computer lab. Students spend time weekly in a supervised computer facility.

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**Computer Science**

Keyboarding skills of 25 words per minute or enrollment in OFTECH 1A or 9A are recommended for computer programming classes.

**CS 3, Introduction to Computer Systems** 3 units
Transfer: UC*, CSU

- **Prerequisite:** None.

*No UC credit for CIS 1 or 4 if taken after CS 3.*

This is a beginning course intended for students who plan to take additional computer programming or computer science courses. Emphasis in the course is divided between a broad survey of the field of computer information systems and the acquisition of computer skills necessary for more advanced classes. Such skills would involve use of the operating system, file management techniques, use of an editor, and an introduction to programming.

**CS 5, Programming Logic** 3 units
Transfer: CSU

- **Prerequisite:** None.

This course is designed to prepare the student for a programming course. It concentrates on problem solving using: Simple Sequence, Selection, Dowhile, Case, and Dountil Control Structure. It covers Structure chart, Flowchart and Pseudocode.

**CS 6, Virtual Worlds and Game Programming** 3 units
Transfer: CSU

- **Prerequisite:** CS 3.

Using Alice, an authoring tool, students will build interactive, animated 3-D virtual worlds. Virtual worlds are interactive, simulated environments that accept human input and provide output in the form of images, sounds, and forces. The software students create will enable them to move around in the virtual world and see it from different angles. Students will create interactive “virtual worlds,” games and simulations that can be viewed in a web page. By building these virtual worlds, students will learn the basics of Object-Oriented programming and basic programming logic.

**CS 8, System Design and Documentation** 3 units
Transfer: CSU

- **Skills Advisory:** CS 3 and 11 or CS 13 or 16 or 36.
Students design a business system from data collection to final output including forms design, flowcharts, computer program procedures, and documentation.

**CS 9A, Technology Project Management I** 3 units
Transfer: CSU
- Prerequisite: CS 3 or CIS 1.

This course covers the fundamentals of Project Management theory, implementation, and best practices. It is aimed at students who work mostly in the Technology sectors covering software and website development, and other areas of computer science or information systems. Students will learn the theory, as well as the use of Project Management software to plan, track and manage project resources. Topics covered include project life cycles, tasks, schedules, resources, and costs. **CS 9A is the same course as CIS 9A. Credit may be earned for one, not both.**

**CS 9B, Technology Project Management II** 3 units
Transfer: CSU
- Prerequisite: CS 9A or CIS 9A

This course covers advanced topics of Project Management theory and practice. Students will learn how to manage projects with changing tasks and schedules, and to adjust their resources and budgets. Also covered are leadership and communication skills. Students will complement the theory with case studies and the use of Project Management software.

**CS 10, Discrete Structures** 3 units
Transfer: UC, CSU
IGETC AREA: 2 (Mathematical Concepts)
- Prerequisite: Math 8.

This course is intended for computer science, engineering, and mathematics majors. Topics include sets and relations, permutations and combinations, graphs and trees, induction, and Boolean algebras. **Computer Science 10 is the same course as Math 10. Students may receive credit for one, but not both.**

**CS 11, COBOL Programming** 3 units
Transfer: CSU
- Skills Advisory: CS 3.

COBOL (Common Business Oriented Language) is specifically designed to facilitate business programming solutions and large volume processing. This course emphasizes structured, modular, top-down design and programming using tools such as hierarchy charts, flowcharts, and pseudocode and includes both interactive and batch programs. *See counselor for transfer credit limitations.

**CS 12, Advanced COBOL Programming** 3 units
Transfer: CSU
- Prerequisite: CS 11.

This second semester course covers advanced topics in structured COBOL. Students write business application programs of moderate length using advanced features such as report writing, sorting, table handling, etc. *See counselor for transfer credit limitations.

**CS 13, Pascal Programming** 3 units
Transfer: UC, CSU
- Skills Advisory: CS 3.

This course introduces computer science concepts using Pascal, a language designed to allow the structured formulation of algorithms. Topics to be covered include data types, functions, procedures, text processing, arrays, records, file manipulation, sets, and pointers.

**CS 15, Visual Basic Programming** 3 units
Transfer: UC, CSU
- Prerequisite: CS 3.

This introductory course covers basic programming constructs and techniques using VB.Net. Students will learn how to plan, create and debug code based on Object Oriented Programming design and analysis techniques. Topics covered include Data Types, Variables, Decision Statements, Loops, Arrays Input/Output, and basics of Object Oriented Programming using Classes and Objects. **VB .NET compiler software is included in course material. This course helps students pass Microsoft Certification Exams.**

**CS 16, Basic Programming** 3 units
Transfer: UC, CSU
- Skills Advisory: CS 3.

This course introduces computer programming using BASIC, a language originally designed with introductory instruction as a goal. This course is relevant to anyone who wants to understand the fundamentals of programming a computer or those planning further study in computer science. *See counselor for transfer credit limitations.

**CS 17, Assembly Language Programming** 3 units
Transfer: UC, CSU
- Prerequisite: CS 50.

Assembly Language allows the programmer to fully utilize all of the special features of the computer in the most efficient manner. It also aids the high-level language programmer in writing subroutines. The student will write Assembly Language programs that utilize the Intel Pentium chip architecture. **Students must have access to a Pentium-chip compatible computer system. Software included in course material.**

**CS 18, Advanced Assembly Language Programming** 3 units
Transfer: UC, CSU
- Prerequisite: CS 17.

This course is a continuation of Assembly Language Programming. The student will write complex assembly programs utilizing the full range of the computer's features. Problem solving through planning coding, testing, and debugging will be emphasized. *See counselor for transfer credit limitations.

**Students must have access to a Pentium-chip compatible computer system. Software included in course material.**
CS 19, Advanced Visual Basic Programming 3 units
Transfer: UC, CSU

• Prerequisite: CS 15.

This course covers advanced programming techniques using Visual Basic .NET. Topics include Structures, Classes, Events, Inheritance, and Polymorphism, Overloading, Dynamic Binding, Multiple Document Interface, Windows API, Collections, and Exception Handling. Students also learn how to interface to Databases and build Web forms.

**VB. NET compiler software is included in course material.** This course helps students pass Microsoft Certification Exams.

CS 20A, Data Structures with C++ 3 units
Transfer: UC, CSU

• Prerequisite: CS 52.

This advanced programming course will use the C++ language to teach methods of representing and manipulating data within a computer. Topics include stacks, queues, trees, sorting, searching, modeling, and dynamically created storage spaces. Students will learn the problem solving skills necessary to write and read complex computer programs, and to make important design decisions.

**Software included in course material.**

CS 20B, Data Structures with Java 3 units
Transfer: UC, CSU

• Prerequisite: CS 56.

This course is an introduction to the study of computer algorithms and data structures. This advanced programming course will use the Java language to teach methods of representing and manipulating data within a computer. Topics include stacks, queues, trees, sorting, searching, modeling, and dynamically created storage spaces. Students will learn the problem solving skills necessary to write and read complex computer programs, and to make important design decisions.

CS 22, Introduction to Mobile Robots 3 units
Transfer: CSU

• Prerequisite: CS 3.

This course describes the hardware, software, and operation of mobile robots that interact with changing environments. Hardware includes computers and other controllers, motors and artificial muscles, arms, grippers, ultrasonic sensors, whiskers, and cameras. Using a graphical interface on a PC, students will learn to program and operate a robot that can recognize objects and speech, talk back, and navigate around a cluttered room.

CS 23, Expert Systems and Chatbots 3 units
Transfer: CSU

• Prerequisite: CS 3.

This course introduces expert systems. An expert system mimics the thought processes of an expert who gives advice on some narrow topic such as oil exploration, disease diagnosis, or computer design. A chatbot or virtual person, in many ways an embodiment of Alan Turing's vision of a thinking machine, is an expert system that converses much like people. A chatbot with an animated character, personality, facial expressions, and lip-synced speech, provides a more natural interface to websites and the computer. Students will build one or more chatbots.

CS 24, Introduction to Industrial Robots 3 units
Transfer: CSU

• Prerequisite: CS 3.

This introductory course surveys industrial robots including articulated arms that have motions similar to human arms, cable-supported robots, and parallel robots. These robots assemble and test electronic boards, weld, paint, fill boxes of candy, and handle other tasks that are either dangerous for humans or can be done more efficiently with robots. Students will use animated simulators and off-line programs to program these robots and then use their programs to operate both virtual and physical robots. This course also introduces safety procedures and project management.

CS 25, Embedded Systems 3 units
Transfer: CSU

• Prerequisite: CS 3.

This is an introductory course on embedded systems design-the use of computers in devices such as cell phone, car, wrist watch, home security system, etc. rather than as stand-alone units. Students are directed to design solutions for real world applications using hardware and software. We will discuss the characteristics that define an embedded system and contrast those against that of a stand-alone computer. We will also look at a variety of applications utilizing embedded processors (microcontrollers). Finally, we will write programs that interact directly with external hardware utilizing a Stamp microprocessor development board.

CS 26, Database Programming in Visual Basic.Net 3 units
Transfer: CSU

• Prerequisite: CS 15.

Visual Basic.Net is an object-oriented programming language that is part of the .Net Microsoft suite. It provides graphical programming environment used to create applications for Microsoft Windows and the web. This course deals with advanced topics for Visual Basic.Net. Topics include Object Oriented Programming, Database Interfaces Programming, and SQL Query Language.

**VB.NET compiler software is included in course material.** This course helps students pass Microsoft Certification Exams.

CS 32, Database Programming in Visual Basic.Net 3 units
Transfer: CSU

• Prerequisite: CS 15.

Visual Basic.Net is an object-oriented programming language that is part of the .Net Microsoft suite. It provides graphical programming environment used to create applications for Microsoft Windows and the web. This course deals with advanced topics for Visual Basic.Net. Topics include Object Oriented Programming, Database Interfaces Programming, and SQL Query Language.

**VB.NET compiler software is included in course material.** This course helps students pass Microsoft Certification Exams.

CS 33, C# Programming 3 units
Transfer: CSU

• Prerequisite: CS 19 or CS 50.

C# (read as C-Sharp) is a modern object-oriented language that enables programmers to quickly build solutions for the Microsoft.NET platform. In this class, programmers will learn to build C# components for use by Web and Windows-based applications. Students will generate MSIL (Microsoft Intermediate Language) code and PE (Portable Executable) files that utilize the services of the CLR (Common Language Runtime) which are all part of the Microsoft.NET platform.

**Software included in course material.**

CS 36, Fortran Programming 3 units
Transfer: UC, CSU

• Advisory: CS 3.
Fortran is a high level language used predominantly in mathematical and scientific applications. Upon completion of CS 36, students will understand the syntax and semantics of Fortran, be able to apply the fundamental principles of top down algorithmic design (using pseudocode and flowcharts) to the solution of computer problems, and know how to code, test, and debug programs in this language.

**CS 37, Web Programming in VB .Net** 3 units

Transfer: CSU
- **Prerequisite:** CS 15.

VB. Net is an object oriented programming language that is part of the .Net Microsoft suite. This course covers web application development, including the use of ASP and VB .NET. Topics include ASP .NET, Web forms and controls, web data access, state management, and web services.

**CS 40, Operating Systems** 3 units

Transfer: UC, CSU
- **Prerequisite:** Computer Science 17 or 50.
- **Advisory:** CS 3 and one programming course.

This course provides a functional understanding of operating systems. Topics include memory and process management under multiprogramming, devices and file systems, and user interfaces. Foundation concepts reviewed at the outset include hardware architecture, CPU instruction sets and machine language, number systems, and data structures. UNIX is used to demonstrate concepts, commands, and programming languages.

**CS 41, Linux Network Administration** 3 units

Transfer: CSU
- **Prerequisite:** CS 50.

This course introduces the Linux operating system to students as users, programmers, and administrators. Students install Linux to create a dual-boot system in class, and use a memory-loadable boot CD version at home. Use of fundamental commands, their graphical interface counterparts, editors, and programming tools are emphasized. Students learn to write shell script programs; read, compile, and execute a series of demonstration C programs; and install applications using the open source software distribution model. Central disciplines of local administration are covered, including user account management, backup, task scheduling, logging, and local system security.

**CS 42, Computer Architecture** 3 units

Transfer: UC, CSU
- **Prerequisite:** Math 20.

This course provides an introduction to fundamental operations and components that make computers possible. Topics include: number systems; Boolean algebra and logic gates (AND, OR, NOT, XOR, and NAND); simplification of Boolean functions; combination logic; sequential logic; design of the adder, subtractor, ROM, decoder, and multiplexer; register transfer logic; and processor logic, control logic, and microcomputer system design.

**CS 43, Windows Network Administration** 3 units

Transfer: CSU
- **Prerequisite:** CS 50.

This course provides students with the knowledge necessary to understand and identify the tasks involved in supporting Microsoft Windows Networking Operating Systems. It covers topics such as installing and configuring Windows Servers to create File, Print, Web, and Terminal servers, and manage and support a network infrastructure that uses the Microsoft Windows Server products. The course also focuses on Windows Active Directory services, implementing Group Policy and performing the Group Policy related tasks that are required to centrally manage users and computers.

**CS 50, C Programming** 3 units

Transfer: UC, CSU
- **Prerequisite:** CS 3.

This course will include a review of the concepts of structured programming, error checking, sorting, searching, data types, advanced array handling methods, pointers, and data structures. Applications in business, mathematics, and science will be discussed.

**CS 51, Visual C++ Programming** 3 units

Transfer: UC, CSU
- **Prerequisite:** CS 52.

C++ handles large programs by packaging sections of interrelated code into discrete, independent parts named objects. Visual C++ adds the Microsoft Foundation Class library making it a powerful Windows programming tool. This course will cover Dynamic Link Libraries, advanced view handling, customizing status bars, operator overloading OLE containers and servers, the Microsoft Foundation class library, serialization, windows timers, graphics, metafiles, multiview programs, graphics display controls, and screen capture. 
*Software included in course material.*

**CS 52, C++ Programming** 3 units

Transfer: UC, CSU
- **Prerequisite:** CS 50.

This course is a continuation of C language programming using the C++ superset of C. C++ offers the following enhancements to C: operator and function overloading, information hiding, inheritance, and virtual functions. C++ will be used in the context of both traditional and object-oriented programming.
*Software included in course material.*

**CS 54, Object-Oriented Analysis and Design** 3 units

Transfer: UC, CSU
- **Prerequisite:** CS 19 or 52 or 55.

This course covers the major object-oriented modeling methodologies: UML, OMT and BOOCH. The course explores the use of these methodologies in the context of designing and implementing object-oriented software application.
*Software included in course material.*
CS 55, Java Programming  
Transfer: UC, CSU  
•  **Prerequisite:** CS 19 or 50.  
Java is a general-purpose language for writing platform-independent, robust, secure programs. This course is intended for students who have completed a course in C programming. Students will learn how to develop Java applications and applets. Topics covered include the Java programming language, object-oriented programming (OOP), the Java application programming interface (API), and graphical user interfaces (GUI's).

CS 56 Advanced Java Programming  
Transfer: UC, CSU  
•  **Prerequisite:** CS 55.  
Java is a general-purpose language for writing platform-independent robust, secure programs. This course continues where CS 55 leaves off in developing mastery of the use of Java programming language and its extensive APIs. Topics covered include exceptions, multithreading, multimedia, Input/Output, Java Database Connectivity (JDBC), Servlets, Remote Method Invocation (RMI), and networking.

CS 60, Database Concepts and Applications  
Transfer: CSU  
•  **Prerequisite:** CS 3 and one programming course.  
This course provides an introduction to modern database concepts, emphasizing the relational database model. Topics include design methodologies, normalization of tables, referential integrity, SQL, security, and event driven programming. Principles are applied by performing exercises using Microsoft Access.

CS 61, Microsoft SQL Server Database  
Transfer: CSU  
•  **Prerequisite:** CS 3.  
Microsoft SQL Server is a popular midrange relational database management system (DBMS) that is used in client/server systems and as a personal DBMS. It can be accessed through the Internet. Topics covered in this course include installing the software, principles of relational databases; creating databases, tables, indexes, and views; inserting, deleting, and updating raw data; updating transactions; and querying the database. With the Transact-SQL extensions, topics include creating functions, procedures, and triggers stored in the database.

CS 65, Oracle Programming  
Transfer: CSU  
•  **Prerequisite:** CS 3 and one programming class.  
This course is a practical hands-on overview of the database software called Oracle. Oracle is the most widely used database in the world. It runs on PC’s, minicomputers and mainframes, and Oracle programmers and developers are very much in demand. This course will review SQL*PLUS, PL/SQL database concepts, Developer 2000 (Oracle’s GUI developing software), and Designer 2000 (Oracle’s application analysis & design software).

CS 66, Advanced Oracle  
Transfer: CSU  
•  **Prerequisite:** CS 65.  
This course expands on topics covered in the basic Oracle course. The topics include SQL, SQL*Plus, Developer 2000, and DBA tasks. In addition, it will cover in detail the varied aspects of Designer 2000, a software suite instrumental in analyzing, designing, and building large scale Oracle applications.

CS 68, Oracle Database Administrator  
Transfer: CSU  
•  **Prerequisite:** CS 65.  
This course offers hands-on experience as an Oracle9i Database Administrator (DBA) using an Oracle server. Topics include a DBA's responsibilities, Oracle architecture, installing Oracle9i software, configurational options, managing RAM and disk space, managing RAM and disk space, managing database changes, managing transactions, tuning and monitoring database resources such as space, transactions, memory, and file usage.

CS 70, Network Fundamentals and Architecture  
Transfer: CSU  
•  **Prerequisite:** CS 50.  
This course is an introduction to networks and networking concepts, emphasizing the internet protocols. Topics include media and network design, protocol layering, addressing and routing, socket programming, firewalls and security, monitoring and administration, and distributed networks. UNIX is used for practical demonstration.

CS 71, Introduction to Windows NT Workstation  
Transfer: CSU  
•  **Prerequisite:** CS 70.  
This course is an introduction to the Windows NT Operating System. Topics include installation and configuration of the Windows NT Workstation, files and directories, security structures, TCP/IP and NetWare connectivity, printing, performance tuning, and troubleshooting.

CS 73, Computer Security Concepts  
Transfer: CSU  
**Prerequisites:** CS 3 or CIS 1.  
In this introductory course students will learn how to defend and protect critical computer assets from various security threats including computer worms and viruses. This course will describe fundamental techniques and principles for modeling and analyzing security. Students will learn how to express security requirements, translate requirements into policies, implement mechanisms that enforce policy, and ensure that these policies are effective. Current industry best practices for safeguarding computer resources will be discussed. Various case studies will outline the typical way that security failures get exploited by attackers and how these attacks can be discovered, understood, and countered.
CS 74A, Security in VB.NET Applications 3 units
Transfer: CSU

Prerequisite: CS 15.

This course provides students with the tools needed to implement security in designing and developing applications written in Microsoft Visual Basic .NET. Topics include encryption, security practices, securing remote applications such as ASP and remote databases. Upon completion of this course, students will be able to develop applications that can handle threats and respond to them more securely.

CS 74B, Security in J2EE Applications 3 units
Transfer: CSU

Prerequisite: CS 55.

This course provides students with the tools needed to implement security in designing and developing applications utilizing the Java 2 Platform. Topics include encryption, security practices, securing remote applications such as secure web servers and remote databases. Upon completion, students will be able to develop applications that can handle threats and respond to them more securely.

CS 75, Network Protocols and Analysis 2 units
Transfer: CSU

Prerequisite: CS 70.

This course introduces major protocols and their roles in protocol suites with emphasis on TCP/IP. Detailed coverage is given for at least one protocol at each layer, the main application level protocols and at least one security protocol. Analytic programs such as ping, traceroute, and packet capture programs are both studied in their own right and applied as tools to protocol analysis. The Ethereal packet capture and protocol decoder program is centrally utilized.

CS 78, Secure Server Installation & Administration 3 units
Transfer: CSU

Prerequisite: CS 70.

In this course students will study network service administration. This course covers physical BIOS and bootloader security, password strength and cracking, file system permissions, authentication mechanisms, remote backup and logging, and installation strategies as machine-level security considerations. A variety of particular service applications like Apache (web service) and BIND (name service) are then studied, emphasizing their strengths, weaknesses, and how to configure them for security through wrappers, file system access jails, and other mechanisms.

CS 80, Internet Programming 3 units
Transfer: CSU

Prerequisite: CS 3.

This course surveys the many technologies that are used to program multitiered, client/server, database-intensive, Web-based applications. Topics include: HTML, Dynamic HTML, client-side and server-side scripting (with JavaScript, VBScript, and Perl), graphics, e-commerce, security, Web servers, databases, Active Server Pages (ASP), Common Gateway Interface (CGI), eXtensible Markup Language (XML), and servlets.

CS 81, JavaScript and Dynamic HTML 3 units
Transfer: CSU

Prerequisite: CS 80.

This introductory programming course teaches the fundamentals of computer programming with the JavaScript language, the standard for client-side Web programming. It offers a thorough treatment of programming concepts with programs that yield visible or audible results in Web pages and Web-based applications. It shows how to use Core and Client-Side JavaScript and the Document Object Model to build interactive, high-performance Web sites.

This course uses JavaScript which is open-source (free) software.

CS 82, ASP.NET Programming in C# 3 units
Transfer: CSU

Prerequisite: CS 33.

Server-side Web programming allows programmers to create content and process data supplied in Web forms to create websites. These applications process data submitted from Web forms and access backend databases to dynamically generate Web pages. Students will design and write web pages using ASP 2.0 (Active Server Pages), Visual Studio. NET and the C# program language.

CS 83, Server-Side Java Web Programming 3 units
Transfer: CSU

Prerequisite: CS 55 and 81.

This course teaches how to design and write applications that extend Web servers. These applications process data submitted from Web forms and access backend databases to dynamically generate Web pages. This course covers the Java Servlets and JavaServer Pages (JSP) server-side technologies.

CS 84, Programming with XML 3 units
Transfer: CSU

Prerequisite: CS 80 and CS 55 or 52 or 33.

XML (eXtensible Markup Language) is a flexible way to create “self-describing data” and to share both the format and content on the World Wide Web, intranets and elsewhere within an enterprise. In this advanced course, students will use XML and learn to tag and transform XML documents so that they can be processed by web browsers, databases and other XML processors. With the industry-standard SAX and DOM API standards, students will create XML applications that read, write and modify XML documents.

This course assists students in passing Microsoft Certification Exams.

CS 85 PHP Programming 3 units
Transfer: CSU

Prerequisite: CS 81.

This course teaches how to design and write applications that extend Web servers. These applications process data submitted from Web forms and access back-end databases to dynamically generate Web pages. This course covers the PHP server-side technology. PHP, which stands for “PHP: Hypertext Preprocessor” is a widely-used, Open Source, general-purpose scripting language that is especially suited for Web development and can be embedded into HTML.

This course uses PHP and MySQL which are open-source (free) software.
CS 88A, Independent Studies in Computer Science 1 unit
Transfer: CSU
• Prerequisite: None.
Please see “Independent Studies” section.

CS 88B, Independent Studies in Computer Science 2 units
Transfer: CSU
• Prerequisite: None.
Please see “Independent Studies” section.

CS 88C, Independent Studies in Computer Science 3 units
Transfer: CSU
• Prerequisite: None.
Please see “Independent Studies” section.

CS 90A, Internship in Computer Science 1 unit
Transfer: CSU
• Prerequisite: None.
Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.
The Internship Program is designed to provide the student with the opportunity of on-site work experience in a computer lab. Students spend time weekly in a supervised computer facility.

CS 90B, Internship in Computer Science 2 units
Transfer: CSU
• Prerequisite: None.
Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.
The Internship Program is designed to provide the student with the opportunity of on-site work experience in a computer lab. Students spend time weekly in a supervised computer facility.

Course Descriptions

Cosmetology

COSM 10, Introduction to Cosmetology and Related Science (2,2) 2 units
• Prerequisite: None.
This is the first class required for all entering students who wish to be licensed for Cosmetology, Manicuring, or Esthetics by the state of California.
This course provides essential Cosmetology related theory carefully formulated to prepare a student to pass the written State Board Exam. Students are instructed in personal relations with employer, employees, co-workers, and clients. Basic concepts of bacteriology, sanitation, health and safety, physiology pertaining to head, face, hands and arms, and the State Board of Cosmetology State Regulations are included.

COSM 11A, Hair Cutting 1 (.5,.5) 0.5 unit
• Prerequisite: None.
This is the first hair cutting class required for all entering students who wish to be licensed for Cosmetology by the state of California.
This course is designed to teach beginning students basic techniques of hair cutting to create a variety of hair designs.

COSM 11B, Hair Styling 1 (.5,.5) 0.5 unit
• Prerequisite: None.
This is the first hairstyling class required for all entering students who wish to be licensed for Cosmetology by the state of California.
This course is an introduction to hairstyling. The students will learn how to create hairstyles to pass the state board of cosmetology with the technique of rollers, pin curls, and finger waving.

COSM 11C, Hair Coloring 1 (.5,.5) 0.5 unit
• Prerequisite: None.
This is the first hair coloring class required for all entering students who wish to be licensed for Cosmetology by the state of California.
The student will learn hair coloring and bleaching techniques and applications. This class is required to pass the California State Board of Cosmetology exam.

COSM 11D, Permanent Wave 1 (.5,.5) 0.5 unit
• Prerequisite: None.
This is the first permanent wave class required for all entering students who wish to be licensed for Cosmetology by the state of California.
This course is designed for the student to learn permanent waving techniques and applications. It will provide a complete foundation for all permanent wave procedures. This class will enable the student to pass the California State Board of Cosmetology exam.

COSM 14, Curly Hair Techniques 1 (1,1) 1 unit
• Prerequisite: None.
This class is required for all students who wish to be licensed for Cosmetology by the state of California.
This course is an introduction to ethnic hair care. Students will learn chemical and thermal hair straightening and soft perm techniques using the basic manipulative skills and proper application of thermal hair processing, curling, and chemical relaxing for excessively curly hair.

COSM 16, Nail Care 1 (.5,.5) 0.5 unit
• Prerequisite: None.
This is the first nail care class required for all entering students who wish to be licensed for Cosmetology or Manicuring by the state of California.
This course provides an introduction to the basic manipulations skills in manicuring and pedicuring. The course includes the basic concepts of physiology pertaining to the hand and arm. This course is one of four in a series necessary to qualify a student to take the State Board of Barbers and Cosmetology Exam.

COSM 18, Skin Care 1 (.5,.5) 0.5 unit
• Prerequisite: None.
This is the first skin care class required for all entering students who wish to be licensed for Cosmetology or Esthetics by the state of California.
Student will learn the proper methods to execute a manual facial, facial massage, tweezing, skin analysis, client consultation, and use of skin care products.

COSM 20, Related Science 2 (1,1) 1 unit
• Prerequisite: None.
This class is required for all entering students who wish to be licensed for Cosmetology, Manicuring, or Esthetics by the state of California.
This course provides essential Cosmetology related theory
carefully formulated to prepare a student to pass the written State Board Examination. Students are instructed in basic concepts of health, safety and related chemistry.

**COSM 21A, Hair Cutting 2 (.5,.5) 0.5 unit**  
- **Prerequisite:** Cosmetology 11A.
  This is the second hair cutting class required for all entering students who wish to be licensed for Cosmetology by the state of California.
  This course is a continuation of Cosmetology 11A. The student will learn more advanced techniques of haircutting with the use of many different types of cutting tools.

**COSM 21B, Hair Styling 2 (.5,.5) 0.5 unit**  
- **Prerequisite:** Cosmetology 11B.
  This is the second hair styling class required for all entering students who wish to be licensed for Cosmetology by the state of California.
  This course is a continuation of Cosmetology 11B. Students will continue to learn more hairstyling techniques and proper use of blow drying and electric curling iron.

**COSM 21C, Hair Coloring 2 (.5,.5) 0.5 unit**  
- **Prerequisite:** Cosmetology 11C.
  This is the second hair coloring class required for all entering students who wish to be licensed for Cosmetology by the state of California.
  The student will learn how color affects our lives. They will learn the different types of hair color, including henna, tints, and bleaches. They will have hands on workshops and will learn salon foiling techniques. This class provides a complete foundation for color and bleaching procedures.

**COSM 21D, Permanent Waving 2 (.5,.5) 0.5 unit**  
- **Prerequisite:** Cosmetology 11D.
  This is the second permanent waving class required for all entering students who wish to be licensed for Cosmetology by the state of California.
  This course is a continuation of Cosmetology 11D. This course provides an approach to advanced permanent waving techniques using real products in a hands on workshop.

**COSM 24, Curly Hair Techniques 2 (.5,.5) 0.5 unit**  
- **Prerequisite:** Cosmetology 14.
  This is the second ethnic hair styling class required for all entering students who wish to be licensed for Cosmetology by the state of California.
  This course is a continuation of Cosmetology 14. The student will learn wet and thermal styling which includes blow dry styling and pressing and curling the hair. This class is required to pass the California State Board of Cosmetology exam.

**COSM 26, Nail Care 2 (1,1) 1 unit**  
- **Prerequisite:** Cosmetology 16.
  This is the second nail care class required for all entering students who wish to be licensed for Cosmetology or Manicuring by the state of California.
  The student will learn how to apply artificial nails which includes brush-on nails, nail tips, nail wraps, repairs, manicures and pedicures.

**COSM 28, Skin Care 2 (1,1) 1 unit**  
- **Prerequisite:** Cosmetology 18.
  This is the second skin care class required for all students who wish to be licensed for Cosmetology or Esthetics by the state of California.
  Students will learn how to execute electric facial, chemical facials, lash and brow tinting, hair removal, false eyelashes, and make-up.

**COSM 28A, Skin Care 2A (.5,.5) 0.5 unit**  
- **Prerequisite:** Cosmetology 18.
  This class is required for all students who wish to be licensed for Cosmetology or Esthetics by the state of California.

**COSM 28B, Skin Care 2B (.5,.5) 0.5 unit**  
- **Prerequisite:** Cosmetology 18.
  This course is required for Skin Care and Cosmetology licensing. The students will learn to perform electrical and chemical facials, and demonstrate the use of electrical facial machines.

**COSM 30, Related Science 3 (1,1) 1 unit**  
- **Prerequisite:** None.
  This is the third related science class required for all entering students who wish to be licensed for Cosmetology, Manicuring, or Esthetics by the state of California.
  This course provides essential Cosmetology related theory carefully formulated to prepare a student to pass the written State Board Examination. Students are instructed in basic concepts of electricity (galvanic/sinusoidal), sanitation and disinfectant techniques.

**COSM 31A, Hair Cutting 3 (1,1) 0.5 unit**  
- **Prerequisite:** Cosmetology 21A.
  This is the third hair cutting class required for all entering students who wish to be licensed for Cosmetology by the state of California.
  This course is a continuation of 21A. The student will learn more advanced salon techniques for the latest trends of haircutting.

**COSM 31B, Hairstyling 3 (1,1) 1 unit**  
- **Prerequisite:** Cosmetology 21B.
  This is the third hair styling class required for all entering students who wish to be licensed for Cosmetology by the state of California.
  This course is a continuation of 21B. This course provides an approach to long hair design. Students will learn various fundamental long hair styling techniques, that when used alone or in combination, can create many different hair designs. They will also learn scalp massage and hair treatments.

**COSM 31C, Hair Coloring 3 (.5,.5) 0.5 unit**  
- **Prerequisite:** Cosmetology 21C.
  This is the third hair coloring class required for all entering students who wish to be licensed for Cosmetology by the state of California.
  This course is a continuation of 21C. The students will learn how to formulate color to achieve the desired results the first time; learn about bleaching products, color applications and procedures, and advanced hair color and foil techniques.

**COSM 36, Nail Care 3 (.5,.5) 0.5 unit**  
- **Prerequisite:** Cosmetology 26.
  This is the third nail care class required for all entering students who
This course is designed for the student to learn more advanced techniques in artificial nails, manucirng, and pedicuring.

**COSM 38, Skin Care 3 (.5,.5)** 0.5 unit  
- Prerequisite: Cosmetology 28.  
This is the third skin care class required for all entering students who wish to be licensed for Cosmetology or Esthetics by the state of California.  
This course is a continuation of 28. The students will learn more advanced techniques for chemical and electrical facials with galvanic current, high frequency, and many European massage techniques.

**COSM 39, Salon (2,2,2) 2 units**  
- Prerequisite: Completion of all beginning classes.  
Completion of at least 300 classroom hours for Cosmetology students; 60 classroom hours for Skin Care students or 40 classroom hours for Nail Care students. Students enrolled in this section may only attend salon for a maximum 12 total hours per week. This course provides the opportunity for the student to have practical experience working on patrons. The practical work is as close to actual beauty salon experience as possible.

**COSM 40, Related Science 4 (1,1) 1 unit**  
- Prerequisite: None.  
This is the fourth related science class required for all entering students who wish to be licensed for Cosmetology, Manicuring, or Esthetics by the state of California.  
This course provides essential Cosmetology related theory carefully formulated to prepare a student to pass the written State Board Examination. Students are instructed in rules and regulations, basic concepts of health and safety, and chemistry.

**COSM 41B, Hairstyling 4 (.5,.5) 0.5 unit**  
- Prerequisite: Cosmetology 31B.  
This course is a continuation of 31B and provides the student the opportunity to learn advanced techniques of hairstyling.

**COSM 41C, Hair Coloring 4 (.5,.5) 0.5 unit**  
This course provides the student the opportunity to learn advanced techniques of hair color including slicing, foiling, weaving, singles and ribbons.

**COSM 42, Men’s Hairstyling (.5,.5) 0.5 unit**  
- Prerequisite: Cosmetology 31A.  
This class is required for all students who wish to be licensed for Cosmetology by the state of California.  
This class is designed to teach the many techniques of designing men’s hair which will include wet and dry cuts, finger cutting, scissors over comb, clipper over comb, beard trims, mustache and eyebrow shaping, and blow drying.

**COSM 48, Skin Care 4 (.5,.5) 0.5 unit**  
- Prerequisite: Cosmetology 38.  
This is the fourth skin care class required for all continuing students who wish to be licensed for Esthetics and Cosmetology by the state of California.

This course will be a combination of theory and practical application to prepare the student to take the State Board exam required to obtain a license. Students are instructed in electrical and chemical facials, hair removal, and make-up.

**COSM 48B, Advanced Make-Up (.5,.5) 0.5 unit**  
- Prerequisite: Cosmetology 28A.  
This class is required for all students who wish to be licensed for Esthetics and Cosmetology by the state of California. This is an intense class in make-up application.  
This course will include color theory, blending make-up, the use of concealers, highlighters and contours. The application of blush, powders, lip liners and lipstick, eye makeup techniques, and the application of new trends will also be covered. Students will learn how to determine face shapes, the correct way to tweeze, wax eyebrows, and work with brow pencils. Students will learn evening glamour and high fashion make-up, hair removal, special bridal looks, coordination of the wedding party make-up, and how to conduct a wedding party consultation. Make-up techniques for color and black-and-white film and work with studio lighting are included.

**COSM 49, Salon (4,4,4,4) 4 units**  
- Prerequisite: Completion of at least 300 classroom hours for Cosmetology students; 60 classroom hours for Skin Care students or 40 classroom hours for Nail Care students. Students enrolled in this section may attend salon for a maximum 24 total hours per week.  
This course provides the student the opportunity to have practical experience working on patrons. The practical work is as close to actual beauty salon experience as possible.

**COSM 50A, Related Science 5 (2,2) 2 units**  
- Prerequisite: Completion of at least 800 hours in Cosmetology.  
This is the fifth class required for all entering students who wish to be licensed for Cosmetology by the state of California.  
This course provides essential Cosmetology related theory carefully formulated to prepare a student to pass the written State Board Examination. Students are instructed in basic concepts of record keeping, facials, wet styling, scalp treatment, haircutting, perms, relaxing, hair color, thermal treatments, manucirng, and artificial nails.  
**COSM 50A will become a 2 unit course effective Winter 2008.**

**COSM 50B, State Board Preparation (2,2) 2 units**  
- Prerequisite: Completion of at least 1000 hours in Cosmetology.  
This course is a combination of theory and practical application to successfully prepare the student to take the California State Board exam required to obtain a Cosmetology license.

**COSM 59, Salon (4,4,4,4) 4 units**  
- Prerequisite: Completion of at least 300 classroom hours for Cosmetology students; 60 classroom hours for Skin Care students or 40 classroom hours for Nail Care students. Students enrolled in this section may attend salon for a maximum 24 total hours per week.  
This course provides an opportunity for the student to have practical experience working on patrons. The practical work is as close to actual beauty salon experience as possible.
COSM 60, Related Science 6 (1,1)  1 unit
• Prerequisite: Completion of at least 1500 hours in Cosmetology and 500 in skin care.
This is the sixth class required for all entering students who wish to be licensed for Cosmetology by the state of California. This course is designed for the student to fill in their individual requirements needed to complete their theory portion necessary to qualify for the California State Board of Cosmetology Exam.

COSM 64, Salon Management (2,2)  2 units
• Prerequisite: None.
This course presents an opportunity for a student/licensee to learn clientele building, choosing the right salon, types of leases and rent agreements, business permits, how to handle supplies, labor related laws, and key points for operating a salon as well as how to write a resume.

COSM 69, Salon (4,4,4)  4 units
• Prerequisite: Completion of at least 300 classroom hours for Cosmetology students; 60 classroom hours for Skin Care students or 40 classroom hours for Nail Care students. Students enrolled in this section may attend salon for a maximum 24 total hours per week.
This course provides the opportunity for the student to have practical experience working on patrons. The practical work is as close to actual beauty salon experience as possible.

COSM 88A, Independent Studies in Cosmetology  1 unit
Transfer: CSU
Please see “Independent Studies” section.

Counselling and Testing

Formerly listed as Human Development.
The Counseling Department offers courses which assist students with student success strategies, learning and study skills, AA degree and transfer planning, career development and internships, conflict resolution skills and behavior management. Disabled Student Services offers several such courses and more which provide specialized information for disability-related concerns.

Students may apply a maximum of 4 units of Counseling courses to the AA degree. The following courses are exempt from this unit limitation: Counseling 12, 20 and 30.

COUNS 1, Developing Learning Skills  1 unit
• Prerequisite: None.
Maximum credit of AA applicable counseling courses may be limited, check with counseling.
This course is designed to help students at all academic levels to improve their study skills in reading textbooks, taking notes, studying, writing essays, researching, preparing for examinations, managing time, and using computer technology to boost their success. This course is offered on a credit/no credit basis only.

COUNS 11, Orientation to Higher Education  1 unit
Transfer: CSU
• Prerequisite: None.
Maximum credit of AA applicable counseling courses may be limited, check with counseling.
This course introduces higher education and the Master Plan for Higher Education in California. Emphasis is on curricula available at community colleges, state and independent colleges and universities, and the University of California. Included will be discussion of non-curricular areas in higher education and general educational policies, student government and its role in education, and environmental differences in the various institutions of higher learning, especially in California. This course should prove especially useful to international students or others unfamiliar with the structure and philosophy of higher education, both public and private. Offered on a credit/no credit basis only.

COUNS 12, Career Planning  1 unit
Transfer: CSU
• Prerequisite: None.
This course is designed to inform and assist students in making appropriate and satisfying career choices. Using self-evaluation instruments, students identify interests, abilities, values, and goals. Skills necessary for future career investigation and decision-making are included.

COUNS 13, Personal and Social Awareness  1 unit
• Prerequisite: None.
The course presents the theoretical foundations and techniques of group processes. Through group interaction, the student gains greater self-awareness, sensitivity to others and more effective communication skills.

COUNS 15, Job Search Techniques  1 unit
• Prerequisite: None.
Maximum credit of AA applicable counseling courses may be limited, check with counseling.
The course is designed for students who are beginning the job-seeking process. The objective is to teach students vital skills necessary for successful job hunting and for competitive employment. Skills identification, interviewing techniques, researching the job market, and resume-writing are explored. An important component of the class is mock interview sessions.

COUNS 16, Job Success Skills  1 unit
• Prerequisite: None.
Maximum credit of AA applicable counseling courses may be limited, check with counseling.
This entry-level employment course provides the skills that new employees need to retain their jobs. These skills include communicating skills; getting along with employers, supervisors, and customers; exhibiting positive attitudes and behaviors; adapting to the company culture; and surviving the initial months on the job.
COUNS 17, Conflict Resolution Skills  1 unit
Transfer: CSU
• Prerequisite: None.
  Maximum credit of AA applicable counseling courses may be limited, check with counseling.
  Conflict is a fact of life. How one feels and behaves in response to conflict determines whether negative or positive outcomes are experienced. This course focuses on individual attitudes, beliefs, and behaviors about conflict, and provides insight into the ways individuals can view conflict in a positive way. It also explores the various causes of conflict, mediation strategies and interventions, the practical ways in which conflict resolution could be implemented in daily life, as well as career paths that utilize conflict resolution skills.

COUNS 18, Behavior Management  1 unit
Transfer: CSU
• Prerequisite: None
  Maximum credit of AA applicable counseling courses may be limited, check with counseling.
  The aim of this course is to enable participants to identify behavioral patterns and physiological responses to anger expression and to examine and practice strategies for anger management.

COUNS 19, Orientation Seminar  0.5 unit
Transfer: CSU
• Prerequisite: None
  Maximum credit of AA applicable counseling courses may be limited, check with counseling.
  This nine hour course for new students will provide a comprehensive introduction to the college environment by focusing on Santa Monica College's programs and services and on the development of essential college survival skills. The orientation provides an overview of college policies and an insight into faculty expectations. It also includes an introduction to the structure of higher education systems, degree and transfer requirements, math and English/ESL assessment and interpretation, study skills, and financial aid information. Students will also develop and file a Student Educational Plan in consultation with a counselor.

COUNS 20, Student Success Seminar  3 units
Transfer: UC, CSU
• Prerequisite: None
  This course provides students with on-the-job practical work experience to enhance work-related skills, increase awareness of potential careers, and develop knowledge of the “work culture.” The internship need not be related to the students’ educational or career goal.

COUNS 21, Student Success Seminar II  1 unit
• Prerequisite: Counseling 20.
  Counseling 23 may not be applied toward the Associate of Arts degree.
  This course builds upon the knowledge, skills and effective behaviors learned in Human Development 20 and provides an in-depth application of the concepts. Topics to be covered include: motivation, locus of control, and how people learn; improving and expanding memory and concentration; application of appropriate learning strategies; critical thinking; and effective oral communication. It will engage students in the critical evaluation of their own and other students' learning and mastery of the concepts.

COUNS 30, Life Transitions and Adjustments  3 units
Transfer: CSU
• Prerequisite: None.
  This course emphasizes the study of identity, life transitions, and individual adjustment. Theoretical and applied approaches to understanding the self, others, and the environment are considered. Factors such as personality development, gender, sexual identity, ethnicity, family dynamics, disability status, interpersonal relationships, self-esteem, goals, values, and death and dying will be emphasized.

COUNS 90A, General Internship  1 unit
Transfer: CSU
• Prerequisite: None.
  This course provides students with on-the-job practical work experience to enhance work-related skills, increase awareness of potential careers, and develop knowledge of the “work culture.” The internship need not be related to the students’ educational or career goal.

COUNS 90B, General Internship  2 units
Transfer: CSU
• Prerequisite: None.
  This course provides students with on-the-job practical work experience to enhance work-related skills, increase awareness of potential careers, and develop knowledge of the “work culture.” The internship need not be related to the students’ educational or career goal.

COUNS 90C, General Internship  3 units
Transfer: CSU
• Prerequisite: None.
  Requires concurrent enrollment in at least 4 additional units.
  This course provides students with on-the-job practical work experience to enhance work-related skills, increase awareness of potential careers, and develop knowledge of the “work culture.” The internship need not be related to the student’s educational or career goal.

COUNS 90D, General Internship  4 units
Transfer: CSU
• Prerequisite: None.
  This course provides students with on-the-job practical work experience to enhance work-related skills, increase awareness of potential careers, and develop knowledge of the “work culture”. Internship need not be related to the students’ educational or career goal.
Counseling – Adult Education

COUNS 906, American Sign Language Level 1 (Beginner) 0 units
- **Prerequisite:** None.
  This introductory course is designed for the student with little or no previous knowledge of American Sign Language (ASL). ASL is taught using an interactive approach, which includes classroom conversation, games and exercises. Students learn basic everyday communication skills, using signed words and finger spelling. Course content includes information about deaf culture and the deaf community.

COUNS 908, Communication with the Deaf, Intermediate 0 units
- **Prerequisite:** Counseling 906.
  This is an intermediate level course designed to teach persons with normal hearing how to communicate better with people who are deaf. Attention is focused on fundamentals of finger spelling, lip reading, and sign language.

COUNS 910, ABI Connections 0 units
- **Prerequisite:** None.
  This course is taught in community settings for adults with acquired brain injuries. The course instructs students in retraining and increasing cognitive skills. Caregivers will be included in the instruction when desirable.

COUNS 912, Basic Living Skills 0 units
- **Prerequisite:** None.
  This course is designed for developmentally disabled/slow learners. The curriculum includes development of basic skills in the areas of meal planning and preparation, shopping, money management, social behavior, leisure and pre-vocational skills.

COUNS 921, Learning Skills 0 units
- **Prerequisite:** None.
  This class provides individualized instruction to students who require specialized training in any of the following areas: 1) the use of adapted equipment or technology, 2) the acquisition of skills necessary to adapt to the college environment, or 3) the identification of learning strengths and weaknesses toward the development of an individual educational plan.

COUNS 912W, Developing Occupational Skills 0 units
- **Prerequisite:** None.
  The Developing Occupational Skills Class is designed for developmentally disabled/slow learners. The program curriculum includes development of basic skills in the areas of meal planning and preparation, shopping, money management, sex education, social behavior, leisure, and pre-vocational skills.

Counseling – Disabled Student Services

COUNS 1H, Study Skills Lab (.5,.5,.5,.5) 0.5 unit
- **Prerequisite:** None.
  Maximum credit of AA applicable counseling courses may be limited, check with counseling.
  This course introduces specific learning and study strategies that assist students in meeting the academic demands of their college courses. Each class covers in depth only one area of study skills each 8 weeks. These classes are designed to target specific areas of weakness.

COUNS 2H, Study Skills Lab (.5,.5,.5,.5) 0.5 unit
- **Prerequisite:** None.
  Maximum credit of AA applicable counseling courses may be limited, check with counseling.
  This course introduces specific learning and study strategies that assist students in meeting the academic demands of their college courses. Each class covers in depth only one area of study skills each 8 weeks. These classes are designed to target specific areas of weakness.

COUNS 12H, Career Planning 1 unit
  Transfer: CSU
- **Prerequisite:** None.
  Maximum credit of AA applicable counseling courses may be limited, check with counseling.
  This course is designed to inform and assist students in making appropriate and satisfying career choices. Using self-evaluation instruments and inventories, a student's interests, abilities, and goals are identified. Skills necessary for future career investigation and decision-making are included. There is an emphasis on disability-related concerns, for example, stereotypes and legislation.

COUNS 13H, Personal and Social Awareness (1,1) 1 unit
- **Prerequisite:** None.
  Maximum credit of AA applicable counseling courses may be limited, check with counseling.
  This course is designed for students who wish to gain greater self-awareness, become more sensitive to others, and improve their communication skills through group interaction.

COUNS 15H, Job Search Techniques 1 unit
- **Prerequisite:** Counseling 12H.
  Maximum credit of AA applicable counseling courses may be limited, check with counseling.
  The objective of this course is to teach skills necessary for successful job hunting. Skills identification, interviewing techniques, researching the job market, and resume writing are explored. Emphasis is placed on understanding legal rights of a person with a disability under federal and state laws.
COUNS 21H, Adapted Computer Technology  
(1,1) 1 unit

• Prerequisite: None.

In the context of word processing, students receive instruction in the assistive technology and ergonomics. This course is designed for students eligible for the Disabled Students Program and students must enroll through the Disabled Students High Tech Center. Students must be concurrently enrolled in academic classes at Santa Monica College.

COUNS 22H, Adapted Computer Technology, Internet Skills for Academic Success  
(1,1) 1 unit

• Prerequisite: None.

In the context of the appropriate assistive technology and ergonomics, students learn Internet skills and resources helpful for academic coursework. This course is designed for students eligible for the Disabled Students Program and students must enroll through the Disabled Students High Tech Center. Students must be concurrently enrolled in academic classes at SMC. Experience with basic word processing skills is strongly suggested.

COUNS 25H, Adapted Computer Technology, Technology Tools for Academic Success  
(.5,.5,.5) 0.5 unit

• Prerequisite: None.

In the context of the appropriate assistive technology and ergonomics, students learn software programs relevant to their academic success. Programs address academic strategies and reference tools, (e.g., brainstorming, organizing information, planning, spelling and homonym checking, dictionaries and thesauri), text to speech technology, and the fundamentals of industry-standard applications used in mainstream courses (e.g., Excel, Access, Photo Shop). This course is designed for students eligible for the Disabled Students Program and students must enroll through the Disabled Students High Tech Center. Students must be concurrently enrolled in academic classes at SMC. Experience with basic word processing skills is strongly suggested.

COUNS 41H, Independent Living Skills  2 units

• Prerequisite: None.

This course is designed for those physically disabled students who wish to function more independently in their activities of daily living (ADL). Emphasis will be placed on skill acquisition in both home and community activities through an application of problem-solving methods and a learning hierarchy. Assessments of functional performance will be administered in order to provide behavioral feedback information and encourage skill improvement. Skills necessary for successful community and college adaptation will be included in instruction. Principles of consumer advocacy and a historical framework of the disabled in the U.S. and California will be included.

Dance

May be required to attend dance productions for which students must purchase tickets.

DANCE 2, Dance in American Culture 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts and Humanities)

• Prerequisite: None.

This course satisfies Santa Monica College’s American Cultures requirement.

This course is a comparative and integrative study of world dance styles of the United States. Included is the study of Native American, European American, African American, Chicano/Latin American, and Asian American dance styles from their historical origins to the present. The study of dance traditions from both the technical and cultural perspective is presented in relation to social, theatrical and artistic dance. Observation and descriptive skills are learned through films, live performances and lectures.

DANCE 5, Dance History 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts)

• Prerequisite: None.

This course is a comparative and integrative study of world dance as a religious expression, social form and a performing art. Theatrical, social, and sacred ritual is investigated in different historic periods and places, predominately within Western civilization. Time periods covered include Ancient Egypt, Classical Greek, Dark Ages, Middle Ages, Renaissance, Baroque, Rococo, Romantic, Neo-Classical, and 20th Century. Styles and schools of thought include ballet, modern dance, jazz and tap, and world dance forms. Attendance of dance productions for which students must purchase tickets is required.

DANCE 7, Music for Dance 3 units
Transfer: UC, CSU

• Prerequisite: None.

This course covers the rudiments of music theory, form and style, and its use with dance.

DANCE 9, Dance Productions 3 units
Transfer: UC, CSU

• Prerequisite: None.

This lecture survey course addresses the many different requirements of putting on a production, providing the theoretical foundation that supports the production process, and building an information base of the specialized language and terminology, schedules and procedures necessary to produce a show. Students learn how to organize and prepare the different aspects of production, how to implement ideas, and how to communicate with specialists in the field.

DANCE 14, Beginning Modern Jazz Dance  
(1,1,1,1) 1 unit
Transfer: UC, CSU

• Advisory: Dance 31 or 41.

Elementary skills and techniques are emphasized in this course as students develop an appreciation of jazz as a dance style.
DANCE 15, Intermediate Modern Jazz  
(1,1,1,1) 1 unit  
Transfer: UC, CSU  
Prerequisite: Dance 14.  
More advanced skills and techniques are studied in this course with emphasis on extended phrases and combinations.

DANCE 16, Advanced Modern Jazz  
(1,1,1,1) 1 unit  
Transfer: UC, CSU  
Prerequisite: Dance 15.  
This course places greater emphasis on advanced modern jazz techniques and skills.

DANCE 17, Beginning Tap  
(1,1,1,1) 1 unit  
Transfer: UC, CSU  
Prerequisite: None.  
This course introduces tap technique and styles (including rhythm tap and Broadway tap), information about the cultural and historical origins of tap, and current trends and applications of tap in concert dance and musical theater. Emphasis will be on fundamental skills and rhythms, time steps, flash footwork, short combinations, and styling.

DANCE 18, Intermediate Tap  
(1,1,1,1) 1 unit  
Transfer: UC, CSU  
Prerequisite: None.  
This course presents a more in depth look at tap technique and styles. Students learn intermediate steps and techniques with a focus on more complex syncopated rhythms, tonal clarity and speed. Different musical styles will be introduced relating rhythms, time signatures, and musical structures to tap styles. Students will study historical tap dance figures, current trends, choreographic ideas and improvisation.

DANCE 19, Ballroom Dance  
1 unit  
Transfer: UC, CSU  
Prerequisite: None.  
This course gives students the opportunity to learn various social dance forms. It is designed for students with no dance experience as well as experienced dance students who want to be introduced to dance forms new to them. Examples of dance forms that may be included are: Fox Trot, Waltz, Swing, Rumba, Cha Cha, Tango, and Samba. The course will focus on exploring the differences and similarities among styles and techniques while also developing coordination skills. Historical studies and individual choreography will enhance the student's knowledge of each dance form as well as encourage creativity.

DANCE 20, Ethnic Dance  
(2,2) 2 units  
Transfer: UC, CSU  
Prerequisite: None.  
Both dance majors and non-majors learn specific ethnic dance styles within a given semester; the study of the music, art, and costume of the particular style is also included. The dance techniques learned will serve as preparation for the Ethnic Dance Performance Course (Dance 57B).

DANCE 21, Asian Pacific Dance Survey  
(2,2) 2 units  
Transfer: UC, CSU  
Prerequisite: None.  
This course introduces students to the theatrical, social, and religious traditions of Asian/Pacific Dance in its cultural context. The movement techniques of one or more forms will be studied in one semester, as well as the relationship of the dance to music, myth, and character.

DANCE 22, Mexican Dance  
(2,2) 2 units  
Transfer: UC, CSU  
Prerequisite: None.  
Mexican dance techniques and styles are taught as students learn authentic regional dances and study indigenous and outside influences, historical impact, costumes, and music. The dance techniques learned will serve as preparation for the Ethnic Dance Performance courses (Dance 57A and 57B).

DANCE 23, Intermediate Mexican Dance  
(2,2) 2 units  
Transfer: UC, CSU  
Prerequisite: Dance 22.  
This course is an intermediate level course in the content and technique of traditional Mexican dance. Lecture topics include: the history of additional states of Mexico not included in beginning Mexican dance, the culture of these people past and present, European and African influences and impact on the indigenous people, the influences of politics, religion, music, art, and popular styles with an emphasis on the times from the Victorian Era to present. Dance technique topics include: placement, more advanced footwork and rhythm patterns, intermediate level dances, and choreography.

DANCE 24, Flamenco Dance  
(2,2) 2 units  
Transfer: UC, CSU  
Prerequisite: None.  
This course introduces students to the movement and music of Flamenco Dance and its cultural, historic, and geographic origins. Dance techniques are studied in relationship to Cantos or Flamenco song, and compared to Spanish classical and folk dance.

DANCE 25, African Dance  
(2,2) 2 units  
Transfer: UC, CSU  
Prerequisite: None.  
This course is an introduction to the study of African dance with an emphasis on West African traditional and contemporary dances. Emphasis is on techniques of Ghana, Nigeria, Senegal, and Dunham.

DANCE 27, Brazilian Dance  
(2,2) 2 units  
Transfer: UC, CSU  
Prerequisite: None.  
This course surveys Brazilian dance with an emphasis on Afro-Brazilian technique and styles. Course content will include dances of the Candomble Orixas, folkloric forms such as Maculele and Maracatu, Samba, and contemporary Brazilian choreographies. Instruction will also include lectures on the vital relationship between dance, drumming, song, costume,
and legends of these living traditions. The impact of these dance forms on Brazilian society will also be presented in both lecture and movement technique.

**DANCE 31, Ballet I (1,1)** 1 unit
Transfer: UC, CSU
- **Prerequisite:** None.
  Basic ballet technique, placement, and terminology are taught for the barre and centre.

**DANCE 32, Ballet 2 (1,1)** 1 unit
Transfer: UC, CSU
- **Advisory:** Dance 31.
  This course continues the training of Ballet 1 with emphasis on new steps and terminology in centre. Students interested in dance major should take Dance 33 next, followed by Dance 34.

**DANCE 33, Ballet 3 (2,2)** 2 units
Transfer: UC, CSU
- **Advisory:** Dance 32.
  This movement course is the study of classical ballet techniques as presented on the third level of advancement. Techniques may include RAD (Royal Academy of Dance), French, Cecchetti, and of Russian. Movement technique and terminology are continued to include a more advanced level of barre and centre floor adage and allegro. Attendance of dance productions for which students must purchase tickets is required.

**DANCE 34, Ballet 4 (2,2)** 2 units
Transfer: UC, CSU
- **Advisory:** Dance 33.
  The course continues the development of graduated ballet techniques and combinations as well as study of spinal column, muscular balance and imbalance, conditioning, and dance injury prevention.

**DANCE 35, Ballet 5 (2,2)** 2 units
Transfer: UC, CSU
- **Advisory:** Dance 34.
  This course continues the skills developed in Dance 34 and an introduction to classical variations. Joint action and muscle groups of foot, ankle, knee, and hips are also studied.

**DANCE 36, Ballet 6 (2,2)** 2 units
Transfer: UC, CSU
- **Advisory:** Dance 35.
  This course is a continuation of Dance 35 with an introduction to pointe work. Study of joint action and muscle groups of torso (spine/abdominals), shoulder joint, and shoulder girdle is also included.

**DANCE 37, Beginning Pointe (1,1)** 1 unit
Transfer: UC, CSU
- **Prerequisite:** Dance 35 or 36, Instructor approval required.
  This course introduces the advanced ballet student to the basics of beginning pointe work. Topics covered include placement and strength-building exercises, selection of proper footwear, and barre and center work in soft shoes and en pointe.

**DANCE 41, Contemporary Modern Dance I (1,1)** 1 unit
Transfer: UC, CSU
- **Prerequisite:** None.
  This course includes an introduction to body awareness and movement in space. Technique, placement, and creative experiences are included.

**DANCE 42, Contemporary Modern Dance 2 (1,1)** 1 unit
Transfer: UC, CSU
- **Advisory:** Dance 41.
  This is a continuation of Dance 41, emphasizing new steps and combinations. Students majoring in dance should take Dance 43 next.

**DANCE 43, Contemporary Modern Dance 3 (2,2)** 2 units
Transfer: UC, CSU
- **Advisory:** Dance 42.
  Continued development of modern dance technique and improvisation with an introduction to craft in composition.

**DANCE 44, Contemporary Modern Dance 4 (2,2)** 2 units
Transfer: UC, CSU
- **Advisory:** Dance 43.
  This course is a continuation of modern dance technique with an emphasis on combinations, phrasing, and work with other dancers.

**DANCE 45, Modern Dance 5 (2,2)** 2 units
Transfer: UC, CSU
- **Advisory:** Dance 44.
  This course is an advanced study in modern dance technique and an introduction to rhythmic notation. Work on individual studies is also included.

**DANCE 46, Modern Dance 6 (2,2)** 2 units
Transfer: UC, CSU
- **Advisory:** Dance 45.
  Transfer preparation, advanced level modern dance technique, improvisation and composition studies are included, as well as an introduction to musical form.

**DANCE 55A, Dance Performance – Modern (3,3,3,3)** 3 units
Transfer: UC, CSU
- **Prerequisite:** Audition required.
- **Corequisite:** Dance 41, 42, 43, 44, 45, or 46.
- **Advisory:** Dance 60 or 61.
  The course offers performance experience and is organized as a modern dance company for concerts and dance productions. Students participate as dancers and choreographers. Styles range from traditional to postmodern fusion, performance art to mixed media, developing new vocabulary and drawing from related dance-theatre forms for personal artistic expression.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Transfer</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>DANCE 55B</td>
<td>Dance Repertory – Modern</td>
<td>1</td>
<td>UC, CSU</td>
<td>Prerequisite: Audition required. Corequisite: Dance 41, 42, 43, 44, 45, or 46. Advisory: Dance 60 or 61.</td>
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<td>*Maximum UC credit for Dance 55B and Dance 59A is 4 units.</td>
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<tr>
<td>DANCE 55C</td>
<td>Modern Dance Staging Techniques</td>
<td>1</td>
<td>CSU</td>
<td>Prerequisite: None.</td>
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<tr>
<td>DANCE 57A</td>
<td>World Dance Performance</td>
<td>3</td>
<td>UC, CSU</td>
<td>Prerequisite: Audition required. Corequisite: Dance 14, 15, 20, 21, 22, 25 or 27.</td>
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<td>This course offers experience as an ethnic dance company. Students audition, rehearse, and perform styles of ethnic dance ranging from African to Mexican to tap. Students work with professional choreographers. Recommended dance experience in Dance 14, 15, 20, 21, 22, 25 or 27.</td>
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<td>This course offers students the opportunity to perform different ethnic dance styles in repertory in a community outreach program. Dance majors perform works in new and varied setings to a variety of audiences and encourage and inform high school students who are potential college dance majors.</td>
</tr>
<tr>
<td>DANCE 57C</td>
<td>Ethnic Dance Staging Techniques</td>
<td>1</td>
<td>CSU</td>
<td>Prerequisite: None.</td>
</tr>
<tr>
<td>DANCE 59A</td>
<td>Dance Performance – Ballet</td>
<td>3</td>
<td>UC, CSU</td>
<td>Prerequisite: Audition required. Corequisite: Dance 31, 32, 33, 34, 35, or 36.</td>
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<td>*Maximum UC credit for Dance 55B and 59A is 4 units. This course offers performance experience as a ballet dance company. Students audition, rehearse, and perform ballet. Students work with professional choreographers.</td>
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<tr>
<td>DANCE 60</td>
<td>Fundamentals of Choreography 1</td>
<td>2</td>
<td>UC, CSU</td>
<td>Prerequisite: None.</td>
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<td>This course explores the process of using movement to give outward expression of inner sensations and feelings. It includes techniques of releasing tensions and developing imagery and discussion of aesthetic concepts.</td>
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<tr>
<td>DANCE 61</td>
<td>Fundamentals of Choreography 2</td>
<td>2</td>
<td>UC, CSU</td>
<td>Advisory: Dance 60.</td>
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<td>This course is a continuation of Dance 60, further developing creative process and authentic movement. Emphasis is placed on the forming process, as well as developing and refining movement material. Individual studies and group improvisations are included.</td>
</tr>
<tr>
<td>DANCE 62</td>
<td>Fundamentals of Choreography 3</td>
<td>2</td>
<td>UC, CSU</td>
<td>Advisory: Dance 61 or equivalent experience.</td>
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<td>This course offers a continuation of Dance 61, focusing on the forming process and compositional craft. Solos, duets, and trios are created using guided imagery and improvisation, as well as experimental approaches. Western music and Eastern design concepts are also applied. New dances are showcased at the end of the term.</td>
</tr>
<tr>
<td>DANCE 63</td>
<td>Fundamentals of Choreography 4</td>
<td>2</td>
<td>UC, CSU</td>
<td>Prerequisite: Dance 62.</td>
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<td>A continuation of Dance 62, this course emphasizes choreography for ensemble. Choreographers investigate the interplay of spatial design, timing, and movement elements in creating a dance for a group. Sound score and basic costume design further support the intention of the finished work, showcased at the end of the semester.</td>
</tr>
<tr>
<td>DANCE 79</td>
<td>Dance in New York City</td>
<td>1</td>
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<td>Prerequisite: None.</td>
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<td>This course provides a New York City study and lecture tour of dance schools, dance resources, and dance performances. Students will be introduced to one of the dance capitals of the world, attending backstage tours, company rehearsals and performances, and libraries and resource centers. They will also have the opportunity to attend dance classes, university transfer sites, and related arts events. This course covers information and experiences only available in New York City and is a valuable learning component for the career or university minded dance student.</td>
</tr>
<tr>
<td>DANCE 88A</td>
<td>Independent Studies in Dance</td>
<td>1</td>
<td>CSU</td>
<td>Please see &quot;Independent Studies&quot; section.</td>
</tr>
</tbody>
</table>
DANCE 90A, Dance Internship (1,1) 1 unit
Transfer: CSU
• Prerequisite: None.
Students must arrange an approved internship prior to enrolling in this class.

The Internship Program is designed to provide the student with “real life” experience in a Dance environment. Students will work with a local school to apply academic dance principles.

DANCE 90B, Internship in Dance 2 units
Transfer: CSU
• Prerequisite: None.
Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with “real life” experience in a Dance environment. Students will work with a local school to apply academic dance principles.

Early Childhood Education

Students taking Early Childhood Education and Education courses that include field work may be required to pay for Live Scan fingerprint processing (cost TBA).

ECE 2, Early Childhood Education Program 3 units
Transfer: CSU
• Prerequisite: Psychology 11.

This course is for students interested in exploring a career in the field of early childhood education. The course traces the history and scope of programs for infants, toddlers and young children and lays the foundation for understanding the common denominators in quality early childhood experiences. It involves students in a series of visits and observations in a wide variety of early childhood programs and other natural environmental settings, thus providing students with knowledge of developmentally appropriate and culturally sensitive practices. The course also covers issues pertaining to infants and young children with special needs, and helps students acquire skills that make them better observers of individual differences in young children. Education and licensing requirements for such programs are explored with a view toward helping the student identify career goals.

ECE 4, Language and Literature for the Young Child 3 units
Transfer: CSU
• Prerequisite: Early Childhood Education 2 and Psychology 11.

This course provides a developmental framework for planning and implementing experiences which support and extend children’s ability to use language as a means of communication, as a medium of creative expression, and as a tool in the development of logical thought. It introduces techniques for assessing the language skills of both typically and atypically developing young children, and for designing programs to meet children's unique needs through individual interactions and group activities. The course reviews the field of children's literature and provides practice in skills of story selection, story reading, and storytelling for young children.

ECE 5, Math and Science for the Young Child 3 units
Transfer: CSU
• Prerequisite: Early Childhood Education 2 and Psychology 11.

This course applies child development principles to the planning of science and mathematics experiences for both typically and atypically developing young children. Emphasis is placed on understanding how children develop problem-solving skills and on recognizing how teachers can facilitate inquiry-discovery experiences for young children with diverse learning styles and needs. Course work includes participation in experiments and field experiences in life sciences. Students are required to develop and provide developmentally and culturally appropriate activities in science and mathematics activities for young children.

ECE 8, Creative Experiences – Art, Music and Movement 3 units
Transfer: CSU
• Prerequisite: Early Childhood Education 2 and Psychology 11.

This course applies child development principles to planning multicultural art, music, and movement experiences for young children. It covers the role of art, music, and movement in developing children's physical-motor, social-emotional, and cognitive skills, with emphasis on providing conditions that encourage development of creativity and aesthetic awareness. Class work includes workshops and field experiences in planning and implementing appropriate creative experiences with young children.

ECE 9, Introduction to School-Age Child Care 3 units
Transfer: CSU
• Prerequisite: Psychology 11.

This introductory course in programs for school-age child care directly addresses the curriculum needs of children participating in before and after school programs including, but not limited to, activities relating to early literacy and early math skills. This course reviews developmental stages and tasks for early and middle childhood and covers appropriate activities for children between the ages of four and twelve with an emphasis on homework completion for the older child. In addition, through lecture, class discussion, and student presentations, relevant state regulations, community resources, multi-cultural perspective, nutrition/behavior relationships, behavior management, and staff development objectives are covered. By the end of this course, the student should be able to demonstrate the ability to function in all aspects of a school-age child care program.

ECE 10, Developing Literacy 3 units
• Prerequisite: Psychology 11.
• Advisory: English 1.

Students are instructed in ways to teach literacy and literature skills to children. In addition to examining how children learn and develop reading skills, students will be taught literary
The importance of individual differences in learning and development. The diversity of families, including alternative families, will be a common focus. The course includes a minimum of three hours per week of directed participation in an early childhood program.

**ECE 22, Early Childhood Laboratory** 5 units

Transfer: CSU

- **Prerequisite:** Psychology 11; Early Childhood Education 2, 11, 21, 64 and choice of two: Early Childhood Education 4, 5, or 8.

This course provides for the practical application of studies covered in the prerequisite courses, allowing the student to participate in a group program for young children. Opportunity is given for supervised practice in planning and guiding play, learning, and children’s routine living activities. Emphasis is given to experiences that increase students’ skills in dealing effectively with group and individual behavior, including working with infants and young children with disabilities and other special needs (birth to 5 years) who are fully included in early childhood settings. Each student is assigned six hours of practicum a week as arranged with the instructor. In addition to regularly scheduled class sessions, students are required to arrange individual and group conference sessions.

**ECE 30, Children with Challenging Behaviors** 3 units

Transfer: CSU

- **Prerequisite:** None.

This course provides an overview of the developmental, environmental and cultural factors that impact the behavior of children, including family stressors, temperament, violence, attachment disorders, and special needs. Topics include reasons for misbehavior, the importance of documented observation, and creating positive environments to encourage appropriate behavior. Intervention techniques for highly aggressive, antisocial, disruptive, destructive, emotional and dependent behaviors as well as proactive intervention and prevention techniques will be presented.

**ECE 35, Foundations of Early Literacy** 3 units

Transfer: CSU

- **Prerequisite:** None.

This course provides early childhood practitioners research-based principles for providing children birth to age 6 a strong foundation in early reading and writing within a developmentally appropriate approach. Parent education as a key factor in promoting literacy is emphasized. A project of the
National Head Start Association in collaboration with the Council for Professional Recognition and National Association for the Education of Young Children, the course brings together a diverse, national faculty of leaders in the field of early literacy via satellite, internet assignments, readings and class participation.

**ECE 40, Family Day Care II: Infants and Toddlers** 1 unit

- **Prerequisite: None.**

  This course will focus on caregiving techniques and activities appropriate for infants and toddlers in family child care settings. Attention will be given to the developmental stages of both typical and atypical infants and toddlers especially as they relate to early language development as well as to limit setting techniques. Information regarding local consumer trends and a review of current research regarding infant care will be included.

**ECE 41, Supervision and Administration of Early Childhood Programs** 3 units

Transfer: CSU

- **Prerequisite: Early Childhood Education 2, 11, 21, 22 and Psychology 11.**
- **Advisory: Experience as an early childhood teacher.**

  This course introduces Early Childhood Center supervision and administration to the experienced teacher planning to become an administrator of programs for infant, preschool and school-age programs. Basics of establishing goals, policies, job descriptions, fundraising, publicity, budgets and records will be explored. Personnel policies, staff selection, training and laws governing early childhood programs pertaining to both typical and atypical children will be emphasized. This course meets the requirements of the State Department of Social Services for directors of programs under their supervision.

**ECE 42, Family Day Care III: Parent and Provider** 1 unit

- **Prerequisite: Psychology 11.**

  This course will focus on effective methods of communication between parents and childcare professionals. Providers will be introduced to principles of communication as they apply to Family Child Care, and Early Childhood Education Center environments. Appropriate methods of explaining policy, addressing parental concerns, and responding to problems will be covered. These discussions will include appropriate communication methods between parents and providers regarding the need for professional intervention services relating to infants and toddlers suspected of having special needs. Providers will write a statement of philosophy and policy for their childcare setting.

**ECE 43, Supervision and Administration 2** 3 units

Transfer: CSU

- **Prerequisite: Early Childhood Education 41.**

  This course builds on the content from ECE 41 and further defines the director’s role in an Early Childhood Education Center for infant, preschool and school age programs. Topics include legislative policies, fiscal management, leadership, code of ethics, assessment, staff development, and the supervisor as a change agent. This course provides an in-depth examination of the California Department of Education, Title 5, expectations and requirements pertaining to children developing typically and atypically.

**ECE 44, Introduction to Family Day Care 1 unit**

- **Prerequisite: None.**

  This course covers current licensing, insurance, and record keeping requirements that affect the operation of family childcare homes. The family childcare home’s unique capacity to create parent/child understanding and a parent/provider partnership will be explored. Students are introduced to child development principles and age-appropriate activities for both typical and atypical children suitable to small groups and home environments. Emphasis is placed upon community support systems for family childcare homes, NAEYC accreditation of family childcare homes and the use of the Reggio Emilia curriculum approach.

**ECE 45, Education of Exceptional Children** 3 units

Transfer: CSU

- **Prerequisite: None.**

  This introductory course in the education of exceptional children provides an overview of laws, definitions, methodologies, trends and issues, and current research in early childhood special education (0-5 years of age.) The course covers various categories of disability, including learning and physical disabilities, autism, mental retardation, behavioral disorders, communication disorders, visual and/or hearing impairments, attention deficit disorders and giftedness. Topics are examined from a culturally sensitive, family-focused perspective that emphasizes the importance of understanding, toddlers and young children with special needs.

**ECE 46, Infant through Toddler Studies 3 units**

Transfer: CSU

- **Prerequisite: Psychology 11.**

  This course includes an overview of the physical, social, emotional and cognitive development of both typically and atypically developing infants and toddlers, birth to three years of age. It will include basic principles of care giving, arrangement and accommodation of the environment; working with other staff, early interventionists, parents and the community; identifying young children with characteristics of special needs and those who may be at risk for disabilities, and making appropriate referrals; and providing culturally sensitive and consistent care. This course is designed for caregivers of infants and toddlers so that they will have greater understanding of the diverse needs and abilities of the young children they care for and to increase their knowledge and awareness of the issues that impact the youngest children’s lives in today’s families.

**ECE 47, Developing Family Childcare** 3 units

Transfer: CSU

**Prerequisites: None.**

This course focuses on the establishment of a family childcare business serving children from birth to school-age. Aspects of family childcare from both a care giving and business perspective will be addressed. Topics covered include legal implications, governing regulations, and business requirements as well as the development of a culturally sensitive, inclusive child-cen-
tered program. Effective communication methods between parents and providers as well as the connection of developmental theory to practice will be emphasized.

**ECE 48, Adult Supervision and Mentoring, 2 units**
- **Prerequisite:** Early Childhood Education 2.
- **Advisory:** Early Childhood Education 21.

Completing this course is one of the steps required to become a California Mentor Teacher. It does not guarantee automatic selection as a California Mentor Teacher.

This course, required by the State of California Commission on Teacher Credentialing for Master Teachers, Site Supervisors, and Program Directors. Included in the course is the study of the methods and principles of supervising student teachers, assistant teachers, parents and volunteers in early childhood/child development classrooms. Emphasis is on the role of classroom teachers and site directors who function as mentors to new teachers while simultaneously addressing the needs of children, parents and other staff.

**ECE 49, Exceptional Children in the Classroom 3 units**
Transfer: CSU
- **Prerequisite:** None.
- **Advisory:** Psychology 11 and Early Childhood Education 45.

This course, in cooperation with the State Commission on Teacher Credentialing, focuses on the theories, research, and practical applications from the fields of both early childhood education and special education. Topics covered include curriculum modification strategies to facilitate the development of cognitive, motor, social, emotional, and language skills in infants, toddlers, and young children with special needs. Specific attention will be aimed at developing behavior management plans, collaborative teaching systems, and methods for working with paraprofessionals and parents of children with exceptionalities.

**ECE 50, Parenting Skills Development 1 unit**
- **Prerequisite:** None.

This course is an introductory course in parenting skills based on principles of child development, with a focus on active listening, problem solving, developmentally appropriate expectations, and discipline techniques.

**ECE 51, The Reggio Approach 3 units**
Transfer: CSU
- **Prerequisite:** None.

In cooperation with the State Commission on Teacher Credentialing, this course will focus on the theories, research, and practical application of the Reggio Emilia Approach as applicable to early childhood education in the U.S. The key concepts of collaboration between parents, teachers, and children; observation of how children construct theories; documentation and reflection on the learning process; the expanded role of the teacher as a co-constructor of knowledge; examination of the impact of the environment in facilitating children’s learning; and meeting the challenge of creating a cooperative community of learners will be covered in the course.

**ECE 52, Documentation: Making Learning Visible 1 unit**
Transfer: CSU
**Prerequisites:** None.

This course highlights documentation as a process focusing on children’s experiences, thoughts and ideas during the course of their projects. Documentation sharpens and focuses teachers’ awareness of their role in children’s experiences and development. Students will be introduced to the forms, tools, and uses of documentation as well as the elements by which effective documentation can make learning visible to children, parents and teachers.

**ECE 53, Environment as the Third Teacher 1 unit**
Transfer: CSU
**Prerequisites:** None.

This course highlights the elements that can stimulate, sustain, enhance, or detract from learning in an early childhood classroom or outdoor space. Based on principles of architecture, design and actual experiences of education using space, the elements of the environment as it supports relationships, comfort, osmosis, sensory integration, community, constructivism, narration, and rich imagination will be explored.

**ECE 60, Child Observation and Assessment 3 units**
Transfer: CSU
- **Prerequisite:** Early Childhood Education 2.

The course will teach students how to employ and evaluate a variety of developmentally appropriate child assessments/observations for children in early childhood education programs. Students will be taught skills that will enable them to communicate assessment information to colleagues and parents to facilitate more effective collaboration. Observation and assessment methods will promote cognitive, social, physical, creative, emotional, and literacy development of typically and atypically developing children. All topics will be addressed in a culturally sensitive and family focused framework with emphasis on at least 3 of 5 major groups in America. Field work required: Total of 10 hours.

**ECE 61, Teacher/Child Interactions 3 units**
Transfer: CSU
**Prerequisites:** None.

The early childhood years are critical for children to gain knowledge and skills that provide the foundation for later learning. Young children learn through the interactions they have with their teachers. This course is intended to increase students’ knowledge about the vital role that teacher-child interactions play in learning and skill acquisition. Because language and early literacy skills are the gatekeepers for later school success, this course will also provide students with the knowledge they need to effectively implement language and literacy curricula through meaningful and intentional teacher-child interactions.

**ECE 64, Child Health, Safety and Nutrition 3 units**
Transfer: CSU
- **Prerequisite:** Early Childhood Education 2 and/or Psychology II; Early Childhood Education II.
This course is designed for adults working directly or indirectly with typical and atypical children from infancy through school-age children. The class emphasizes providing and promoting a safe and healthy learning environment in both home and school. In addition, the course will provide the student with the fundamentals of sound nutrition, and the skills and knowledge to foster positive attitudes towards food, bodily processes, and normal life experiences in young children. Students will develop communication skills for working with staff, parents, infants, and young children with special needs from diverse cultural heritages.

**ECE 88A, Independent Studies in Early Childhood Education 1 unit**
Transfer: CSU
Please see "Independent Studies" section.

**ECE 88B, Independent Studies in Early Childhood Education 2 units**
Transfer: CSU
Please see "Independent Studies" section.

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**Economics**

**ECON 1, Principles of Microeconomics 3 units**
Transfer: UC, CSU
IGETC AREA 4B (Social & Behavioral Sciences)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course introduces students to the supply and demand model, the concept of elasticity, productivity, cost structures, and alternative market structures. Within the Supply and Demand framework, the class studies the impact of government intervention on equilibrium price and quantity and on consumer and producer surplus. Additionally, students are introduced to the following market structures: Perfect Competition, Monopoly, Monopolistic Competition, and Oligopoly. These alternative market structures are evaluated in terms of their implications for prices, efficiency, and the role of the government.

**ECON 2, Principles of Macroeconomics 3 units**
Transfer: UC, CSU
IGETC AREA 4B (Social & Behavioral Sciences)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course introduces students to measurement of economic aggregates, economic models, and economic policy. Measures of economic aggregates include: GDP, the unemployment rate, the GDP Deflator, and the Consumer Price Index. The Great Depression is used as an introduction to macroeconomic policy. The course covers the tools of fiscal and monetary policy and their impact on aggregate demand, prices, income and interest rates. Additionally, the course introduces students to following models: Classical, Keynesian, Monetarist, and Supply Side with their corresponding policy implications and recommendations.

**ECON 5, Political Economy 3 units**
Transfer: UC, CSU
IGETC AREA 4 (Social Science)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course is an introduction to the field of political economy which surveys contending theoretical perspectives, historical and institutional development of the emerging global economy, as well as substantive issues areas and public policy concerns. A background in economics or political science is helpful, but not required. Economics 5 is the same course as Political Science 5. Students may earn credit for one, but not both.

**ECON 6, Contemporary Economic Problems 3 units**
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course stresses the application of economic theory to important current problems with special emphasis on the role of the U.S. in their resolution. Problems emphasized include growth and development, resource management, the “population explosion,” economic systems, and international economic relations. This problem-oriented course allows for a more detailed examination of significant world economic problems such as international monetary reform, balance between food supply and population pressure, capital formation in underdeveloped economies, and economic planning.

**ECON 15, Economic History of the U.S. 3 units**
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
+ satisfies CSU U.S. History graduation requirement
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course offers a chronological study of American economic history by major areas including agriculture, industrial development, money, banking, and transportation. The roles of business, labor, and government are given a particular emphasis. Economics 15 is the same course as History 15. Students may earn credit for one, but not both.

**ECON 88A, Independent Studies in Economics 1 unit**
Transfer: CSU
Please see "Independent Studies" section.

**ECON 88B, Independent Studies in Economics 2 units**
Transfer: CSU
Please see "Independent Studies" section.

**ECON 90A, Internship in Economics 1 unit**
Transfer: CSU
- Prerequisite: None.

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.
The Internship Program is designed to provide the student with “real life” experience in a public or private organization concerned with issues relating to areas in the social sciences. Students will work with the organization, agency, business, or institution (public or non-profit) to develop their understanding of and ability to apply the principles of economics.

**ECON 90B, Internship in Economics** 2 units

Transfer: CSU

- **Prerequisite:** None.

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with “real life” experience in a public or private organization concerned with issues relating to areas in the social sciences. Students will work with the organization, agency, business, or institution (public or non-profit) to develop their understanding of and ability to apply the principles of economics.

**Education**

Students taking Early Childhood Education and Education courses that include field work may be required to pay for Live Scan fingerprint processing (cost TBA).

There is a limitation of 6 units in Education that are transferable to the CSU. Please note, EDUC 1 and EDUC 2 are the courses recommended to students who wish to become teachers.

**EDUC 1, Career Choices in Education** 3 units

Transfer: UC, CSU

This course provides an introductory overview of the Early Childhood through 12th grade teaching profession. It will explore the philosophy, history and sociology of the American educational system with an emphasis on elements unique to the State of California. In addition, qualities of effective educators, elements and purposes of a professional portfolio and critical issues in diverse contemporary classrooms will be addressed. Students will record school site observations that will be archived to a professional E-Portfolio. Portfolio training will be provided within the course.

T.B. test clearance required prior to class participation

**EDUC 2, The Early Childhood through 12th Grade Teaching Experience** 3 units

Transfer: UC, CSU

This course builds upon the foundation of Education 1. Students will gain actual tutoring experience with K through 12th graders and document observations of their experiences. Special attention to teaching strategies, observation techniques, and engaging children with diverse learning styles and needs will be emphasized. Examination of personal suitability for the teaching profession, preparation for state teacher exams, and transfer to four-year institutions to complete teaching credentialing will be discussed. The professional E-Portfolio training of Education 1 will continue.

T.B. Test and fingerprint clearance required for class participation (fingerprint fee TBA).

**EDUC 7A, Beginning Tutor Training** 1 unit

Transfer: CSU

- **Prerequisite:** None.

This course examines the knowledge, skills and techniques necessary to successfully tutor a diverse college student population. It is intended for current and prospective tutors and supplemental instructors. Content will include topics related to effective tutoring, such as: The role and responsibilities of the tutor, assessing student needs, communication skills, learning styles, probing techniques, the Socratic Method, possible learning disabilities, ethics, and making referrals. Students will learn specific tutoring strategies to apply in tutorial sessions.

**EDUC 20, Exceptional Children in School** 3 units

- **Prerequisite:** None.

This introductory special education course provides an overview of skills necessary for paraprofessionals to support students with special needs. Based on the Professional Standards outlined by the Council of Exceptional Children for beginning special education para-educators, students will develop competencies required for employment in the K-12 school system. Topics will include the Individualized Educational Program (IEP) process (legislation and implementation), instructional content and practices, curriculum modifications and accommodations, supporting the teaching and learning environment, managing student behavior and social interactions, and developing collaborative partnerships. Class content will be adapted to the needs of participants.

**EDUC 24, Paraeducator Fieldwork Experience** 5 units

Transfer: CSU

- **Prerequisite:** Education 20.

This course provides students with 90 hours of “hands-on” experience working with students who have diverse learning needs and are served in a variety of educational settings. The class integrates theoretical models to real-life situations and affords students opportunities for supervised practice as an instructional assistant in a K-12 classroom or special education setting. Fieldwork experiences focus on developing students’ observation, collaborative, and teaching skills from a culturally and individually sensitive framework.

**Engineering**

**ENGR 10, Materials of Engineering** 3 units

Transfer: UC, CSU

- **Prerequisite:** Physics 1 and Chemistry 11.

This course is a study of structure and properties of materials, including engineering terminology, the atomic and crystal structure of materials, the correlation of properties with structures, and the behavior and phase diagram of engineering materials under various service conditions. *See counselor regarding transfer credit limitations.*
ENGR 12, Statics  
Transfer: UC, CSU  
• Prerequisite: Physics 21 and Math 7.  
This course covers the following: Forces in a plane and space including complete overview of vector analysis; Newton’s first and third laws of motion; external and internal forces, moment of force about a point and about axes; concepts of couples and their application; equivalent system of forces and couples; free body diagram; equilibrium of rigid bodies in two and three dimensional space including reactions at supports, and connections; centroid and center of gravity; analysis of trusses by methods of joints, sections, and graphical method; analysis of frames, machines, and beams under various types of loads and supports; shear and bending moment diagrams for beams and frames; complete coverage of friction; rectangular and polar second moment of area, or moment of inertia; principles of virtual work and its applications.

ENGR 16, Dynamics  
Transfer: UC, CSU  
• Prerequisite: Engineering 12.  
This course provides essential tools for predicting the behavior and motion of engineering systems under the influence of forces. Successful prediction of the behavior of a system requires a careful formulation of the problems through both physical and mathematical reasoning. The objective of this course is to aid students in developing a dual thought process for both the physical and mathematical understanding of problems involving the motion of bodies under the influence of forces. Topics covered include kinematics and dynamics particles; Newton’s Law of Gravitation; principle of work and energy; conservation laws of mechanics; kinematics and dynamics of rigid bodies, including equations of motion, principle of work and energy, impulse, and momentum; and mechanical vibration.

English Composition  
Group A

Courses below open to students in English Placement Group A. Make appointment for placement test when applying in Admissions.

ENGL 1, Reading and Composition 1  
3 units  
Transfer: UC, CSU  
IGETC AREA 1A (English Composition)  
• Prerequisite: English 21B or 22, ESL 21B or Group A on the Placement Test.  
This introductory course in rhetoric emphasizes clear, effective written communication and preparation of the research paper.

ENGL 30A, Beginning Creative Writing  
3 units  
Transfer: UC, CSU  
• Prerequisite: English 1.  
This course is a composition workshop in short fiction and poetry.  
*Maximum UC transfer credit 3 units.

ENGL 30B, Advanced Creative Writing  
(3,3) 3 units  
Transfer: UC, CSU  
• Prerequisite: English 30A.  
This course provides students with an opportunity to gain additional creative writing techniques beyond those learned in English 30A.  
*Maximum UC transfer credit 3 units.

ENGL 31, Advanced Composition  
3 units  
Transfer: UC, CSU  
• Prerequisite: English 1.  
This advanced writing course is intended especially for English majors and other students desiring to develop rhetorical skills beyond those practiced in English 1. It stresses critical analysis and argument, and focuses on style in effectively communicating with various audiences.

ENGL 48, Speed Reading and College Vocabulary  
3 units  
Transfer: CSU  
• Prerequisite: Eligibility for English 1.  
This course is designed for good readers who wish to increase their reading speed, comprehension, and vocabulary and to develop higher levels of competency in all college disciplines. It emphasizes comprehension of relatively difficult materials, development of versatile reading techniques, and selective use of speed reading methods.

ENGL 70, Technical Communication  
3 units  
Transfer: CSU  
• Prerequisite: English 1.  
This course introduces students to the fundamental principles of technical communication, which is the process of creating, designing, and transmitting technical information to help use it effectively. The course examines the essential rhetorical structure of scientific and professional texts. It emphasizes the development of analytical skills and synthesis of multiple sources in order to construct coherent arguments. Students will develop skills necessary for research in various disciplines of the sciences and technology. Using some of the latest technology, students will read and prepare specific types of documents commonly used in the academic and professional worlds, especially in the sciences, high technology, engineering, and environmental studies.

ENGL 90A, Internship in English  
1 unit  
Transfer: CSU  
• Prerequisite: None.  
Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.  
The Internship Program is designed to provide the student with “real life” experience. Students will work with a local company to apply academic English principles.

ENGL 90B, Internship in English  
2 units  
Transfer: CSU  
• Prerequisite: None.  
Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.
The Internship Program is designed to provide the student with “real life” experience. Students will work with a local company to apply academic English principles.

**English Fundamentals – Group B**

Courses below open to students in English Assessment Groups A and B. Make appointment for assessment when applying in Admissions.

**ENGL 21A, English Fundamentals 1  3 units**
- **Prerequisite:** English 84W and 84R or Group B on the Placement Test.

This course is the first semester of a two-semester course, English 21AB. It consists of a review of and drill in the fundamentals of English grammar, punctuation, spelling, reading, and composition. *Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements.

**ENGL 21B, English Fundamentals 2  3 units**
- **Prerequisite:** English 21A or ESL 21A.

This course is the second semester of a two-semester course, English 21. It continues the review of and drill in the fundamentals of English grammar, punctuation, spelling, reading, and composition. Students applying for the AA degree must have successfully completed this course or have placed at or been waived to the A level.

English 21B and 22: maximum of 3 units applied toward the SMC AA degree.

**ENGL 22, Writing Laboratory (3,3)  3 units**
- **Prerequisite:** English 21A.

This course provides extensive practice in composition, from pre-writing activities through rough drafts to final drafts, from single paragraphs to themes of several pages. Review of the fundamentals is assigned where needed.

English 21B and 22: maximum of 3 units applied toward the SMC AA degree.

**ENGL 23, Intermediate Reading and Vocabulary  3 units**
- **Prerequisite:** Group B on the Placement Test.

This course is for students who wish to improve study and reading skills. It concentrates on reading comprehension, vocabulary development, study skills and improvement in reading rate and flexibility. *Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements.

**ENGL 24, Grammar Review  3 units**
- **Prerequisite:** Group A or B on the Placement Test.

English 24 is an intensive review of the principles of grammar for students who want to increase their understanding of the fundamentals of English. The course is open to all students at the A or B level. Students may wish to take the course prior to or concurrently with an English composition or a Business English course. *Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements.
### English Skills – Group C

Courses below open to English Placement Group C students. Make appointment for placement when applying in Admissions. Course credit for Group C courses may not be applied towards the A.A. Degree.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENGL 80, Reading Laboratory (3,3)</strong></td>
<td>3</td>
</tr>
<tr>
<td>- Prerequisite: None.</td>
<td></td>
</tr>
<tr>
<td>This course is designed for students with below-average reading skills. The course provides a comprehensive laboratory approach to developmental reading. It is addressed primarily to students who need long-term individualized work in reading. Following assessment, an educational plan and behavioral objectives will be designed for each student. Emphasis will be placed on word attack skills and comprehension. *Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements.</td>
<td></td>
</tr>
<tr>
<td><strong>ENGL 80S, Reading Laboratory</strong></td>
<td>2</td>
</tr>
<tr>
<td>- Prerequisite: None.</td>
<td></td>
</tr>
<tr>
<td>This course is designed for students with below-average reading skills. The course provides a comprehensive laboratory approach to developmental reading. It is addressed primarily to students who need long-term individualized work in reading. Following assessment, an educational plan and behavioral objectives will be designed for each student. Emphasis will be placed on word attack skills and comprehension. *Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements.</td>
<td></td>
</tr>
<tr>
<td><strong>ENGL 81A, The Paragraph – Plus</strong></td>
<td>3</td>
</tr>
<tr>
<td>- Prerequisite: None.</td>
<td></td>
</tr>
<tr>
<td>- Corequisite: English 83A or English 80.</td>
<td></td>
</tr>
<tr>
<td>English 81A is the basic introductory writing course. In class and in lab, it develops thinking skills, writing strategies, and sentence awareness as these relate to the production of paragraphs and the basic essay.</td>
<td></td>
</tr>
<tr>
<td><strong>ENGL 81B, The Basic Essay – Plus</strong></td>
<td>3</td>
</tr>
<tr>
<td>- Prerequisite: English 81A.</td>
<td></td>
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<tr>
<td>- Corequisite: English 83B.</td>
<td></td>
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<tr>
<td>English 81B reinforces and continues the writing effort begun in English 81A. In class and lab formats, 81B stresses the skills necessary to write basic three paragraph essays and short summaries. Sentence skills are reviewed and expanded.</td>
<td></td>
</tr>
<tr>
<td><strong>ENGL 81S, Reading and Writing Skills</strong></td>
<td>2</td>
</tr>
<tr>
<td>- Prerequisite: None.</td>
<td></td>
</tr>
<tr>
<td>The principal objective of this short term version of English 81 is to improve students' writing skills and usage of grammar. *Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements.</td>
<td></td>
</tr>
<tr>
<td><strong>ENGL 82, Individualized Spelling Laboratory</strong></td>
<td>1</td>
</tr>
<tr>
<td>- Prerequisite: None.</td>
<td></td>
</tr>
<tr>
<td>- Advisory: Concurrent enrollment in English 80, 81, or 83.</td>
<td></td>
</tr>
</tbody>
</table>

This course is designed for C level students who require particular attention to spelling deficiencies, such as those caused by mispronunciation or failure to apply such spelling rules as dealing with the doubling of consonants, dropping a silent e, or changing y to i. It is offered on a credit/no credit basis. *Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements.

**ENGL 83A, Reading and Vocabulary I** 3 units
- Prerequisite: None.
- Corequisite: English 81A.

The course is designed to develop reading competence by stressing comprehension, study skills, listening, word-attack skills, and patterns of organization. It also helps the student discover techniques for life-long vocabulary expansion with emphasis on a more skillful use of the dictionary, a better understanding of word parts, and a more effective use of sentence clues.

**ENGL 83B, Reading and Vocabulary II** 3 units
- Prerequisite: English 83A.
- Corequisite: English 81B.

This course is for students who have earned credit in English 83A, but who need further development in vocabulary and comprehension skills, especially using context clues, drawing inferences, and distinguishing between fact and opinion. In addition, students focus on monitoring their reading, strengthening time management based on the evaluation of their performance in English 83A, and improving study-reading techniques, such as mapping.

**ENGL 84R, Reading and Vocabulary III** 3 units
- Prerequisite: English 83B.
- Corequisite: English 84W.

This course is designed to further develop reading comprehension, reading rate, study-reading methods, and vocabulary. The course focuses on analytical skills, including identifying patterns of organization and applying inferential skills. Students will also develop critical reading skills, including focusing on the author’s purpose and tone.

**ENGL 84W, The Basic College Essay** 3 units
- Prerequisite: Credit in English 81B.

English 84W focuses upon the basic college essay and the prewriting techniques useful to its creation. Varieties of essays are studied as are those sentence skills that aim to locate and correct major sentence errors. The lab is arranged by the student and done on a weekly basis.

### English Literature

**ENGL 2, Critical Analysis and Intermediate Composition** 3 units
Transfer: UC, CSU

IGETC AREA 1B (English Critical Thinking)
- Prerequisite: English 1.

This course helps students to develop their critical thinking and writing skills beyond the level achieved in English 1. The course emphasizes the application of logical reasoning, analy-
sis, and strategies of argumentation in critical thinking and writing, using literature (both fiction and non-fiction) and literary criticism as subject matter.

ENGL 3, World Literature 1  3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
  • Prerequisite: English 1.
  • Advisory: English 2.
  This course is a study of some of the masterpieces of world literature from Homer to Cervantes.

ENGL 4, World Literature 2  3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
  • Prerequisite: English 1.
  This course is a study of some of the masterpieces of world literature from Voltaire to Mann.

ENGL 5, English Literature 1  3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
  • Prerequisite: English 1.
  • Advisory: English 2.
  This course traces the historical development of English literature from its beginnings to the Romantic Age.

ENGL 6, English Literature 2  3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
  • Prerequisite: English 1.
  A continuation of English 5, this course covers English literature from the Romantic Age to the 20th Century.

ENGL 7, American Literature 1  3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
  • Prerequisite: English 1.
  This course surveys American literature from its beginnings to the Civil War.

ENGL 8, American Literature 2  3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
  • Prerequisite: English 1.
  A continuation of English 7, English 8 covers the period from the Civil War to World War II.

ENGL 10, Ethnic Literature of the U.S.  3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
  • Prerequisite: English 1.
  • Advisory: English 2.
  This course satisfies Santa Monica College’s American Cultures requirement.
  This course focuses on the literature written by and about United States’ ethnic groups, including European Americans, Native Americans, Asian Americans, African Americans, Latinos/Latinas, Jewish Americans, and others. Students will analyze the literature and explore both the commonalities and differences among the works. The course also examines the influence of these writers on the course of American literature.

ENGL 11, Literature into Film  3 units
Transfer: UC (pending), CSU
IGETC AREA 3B (pending)
  • Prerequisite: English 1.
  In this course, students will explore literary classics on screen, comparing the narrative dynamics of cinema and literature by comparing the text with the film. In so doing, students will gain an understanding of the text to film adaptation process, the expressive powers of each, and each medium’s unique potentials and deficiencies. Selected novels, short stories, plays, and nonfiction works will be examined as each evolves into film.
  Film Studies 11 is the same course as English 11. Students may earn credit for one, but not both.

ENGL 14, Contemporary American Literature  3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
  • Prerequisite: English 1.
  American literature since World War II is examined, with special emphasis on the novel.

ENGL 15, Shakespeare  3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
  • Prerequisite: English 1.
  In this course students read and analyze eight to ten of Shakespeare’s most popular plays, as well as study his life, times, and theatre.

ENGL 17, Contemporary British Literature  3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
  • Prerequisite: English 1.
  This course introduces the students to the variety and wealth of British literature since 1945. The course will focus on novels, short stories, plays, and poetry from among such authors as Angela Carter, Salman Rushdie, Seamus Heaney, and Jeanette Winterson. The course will cover topics such as gender, race, sexuality, and class as well as explore changes in style, genre, and literary experimentation. Discussion of relevant British music, films, fashion, and art will also be introduced.

ENGL 18, Children’s Literature  3 units
Transfer: CSU
  • Prerequisite: English 1.
  Children’s literature involves a critical analysis of myth, fable, legend, illustrated book, rhyme, fairy tale, and novel.

ENGL 26, Introduction to the Humanities  3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
  • Prerequisite: English 1.
  This introduction to the humanities considers great works of art through the ages (painting, sculpture, literature, music, architecture, dance). It is an examination of how, at widely separated points in time, artists and writers have viewed life and its significance.
English 26 is the same course as Humanities 26. Students may earn credit for one, but not both.

ENGL 32, History and Literature of Contemporary Africa 3 units
Transfer: CSU
• Prerequisite: None.

This course analyzes the interpersonal and cultural tensions of 20th Century Africa as expressed in its literature and history. It explores the universality of this literature while at the same time recognizing its sources in the conflicts of modern history and society. English 32 is the same course as History 30. Students may earn credit for one, but not both.

ENGL 34, Afro-American Literature 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
• Prerequisite: English 1.

This course consists of reading the works of African-American writers of the essay, novel, and shorter fiction, drama, and poetry, with emphasis upon the nature of the American experience which they reveal.

ENGL 38, Literature of the Absurd 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
• Prerequisite: English 1.

This course is an examination of the novel, short fiction, and drama which may be categorized as “absurd.” These writings portray humans as bewildered beings in an incomprehensible or meaningless universe.

ENGL 39, Images of Women in Literature 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
• Prerequisite: English 1.

This course is an analysis and discussion of the images of women in stories, novels, and poems.

ENGL 40, Asian Literature 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
• Prerequisite: English 1.

Major works of Asian literature will provide a window to the rich cultures of a fascinating part of the world. Students will be introduced to literature of at least two Asian cultures.

ENGL 41, Introduction to Asian American Literature 3 units
IGETC AREA 3B (Humanities)
• Prerequisite: English 1.

This course will study the major literary works of Asian American writers who form the rich mosaic of contemporary American culture. Students will be introduced to the literature of at least four Asian American communities each semester. The course will explore the complex nature of the Asian American experience and locate the literature of these communities in the broader context of contemporary American literature.

ENGL 45, Asian Film, Literature, and Society 3 units
Transfer: UC, CSU
IGETC Area 3B (Humanities)
• Prerequisite: English 1.

This introductory course will study post World War II Asian literature and film as reflections of the cultural values and important social and political movements in some Asian countries. Students will study selected films and literature from at least three Asian countries in order to highlight and explore the relationship between images and words, between the verbal text and the visual text.

ENGL 50, Mythology 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
• Prerequisite: English 1.

This course is for students who wish to become familiar with the major characters and tales from Greek and Roman mythology. The course takes a thematic approach to myths and legends from a variety of sources. It stresses humanity's attempt to explain the unknown: the beginning of the world, creation of living creatures, explanation of natural phenomena, relationships between gods and mortals, deeds of super heroes, testing, death, and afterlife. The emphasis is primarily on Western culture—Greek and Roman myths which have influenced literature and allied arts from earliest time.

ENGL 51, Literature of the Bible: Old Testament 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
• Prerequisite: English 1.

This course provides an analytical and critical study of the Old Testament of the Bible, focusing on its component genres and literary qualities. Attention is given to how Biblical literature has been and can be interpreted, studied, and used. Representative types of Biblical literature are examined. English 51 is the same course as Religious Studies 51. Students may receive credit for one, but not both.

ENGL 52, Literature of the Bible: New Testament 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
• Prerequisite: English 1.

This study introduces the students to the variety and wealth of literature contained in the New Testament. Attention is given to the ways in which Biblical literature has been and can be interpreted, studied, and used. The various types of literature in the Bible are set forth and representative pages of each of these types are presented and examined. English 52 is the same course as Religious Studies 52. Students may receive credit for one but not both.

ENGL 53, Latino Literature in the United States 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
• Prerequisite: English 1.
This course explores literature by Latino American writers whose primary purpose is to view life in the United States through the lenses of the Latino community. Through fiction, non-fiction, poetry, theater, and film, students study such topics as history, identity, culture, sexuality, and socio-political aspects of the ever-changing U.S. Latino community. The course studies the ways in which Latino American’s writing has been part of the fabric that is the United States, from the indigenous cultures of Mesoamerica through the turbulent 1960s in the U.S. and into the present, from Mexico, South and Central America, the Caribbean, New York to Los Angeles.

**ENGL 54, Native American Literature**  3 units  
**Transfer:** UC, CSU  
**IGETC AREA 3B (Humanities)**  
- Prerequisite: English 1.  

Selected poems, short stories, novels, tribal tales, speeches, and memoirs of Native Americans will be examined to deepen the student’s understanding of the experiences and perspectives of native peoples in American and native cultures.

**ENGL 55, Modern Drama**  3 units  
**Transfer:** UC, CSU  
**IGETC AREA 3A (Arts) or 3B (Humanities)**  
- Prerequisite: English 1.  

This course consists of a study of some of the great works of 20th Century drama.  

**ENGL 56, 20th Century European Literature**  3 units  
**Transfer:** UC, CSU  
**IGETC AREA 3B (Humanities)**  
- Prerequisite: English 1.  

As a study of the 20th Century novel, this course includes the English novel and the European novel in translation.

**ENGL 57, Latin-American Literature**  3 units  
**Transfer:** UC, CSU  
**IGETC AREA 3A (Humanities)**  
- Prerequisite: English 1.  

This course surveys 20th Century Latin-American literature. The poetry section begins with Dario and modernismo (1888-1910), postmodernismo (1910-1918) and vanguardismo (1918-1938): Neruda, Vallejo, Huidobro, Mistral, and Paz, among others, and concludes with postvanguardismo: Afro-Caribbean and other post-war poetic currents. Prose fiction will begin with realismo or criollismo (1880s-1930s), but will focus on the post-1940s, when Latin-American prose begins to enjoy international renown: Borges, Carpentier and Asturias, precursors to the “boom,” then Fuentes, Sabato, Vargas Llosa, Donoso, Cortazar, and Garcia Marquez, whose works popularized “magic realism.” The course will conclude with contemporary writers, such as Cabrera Infante, Allende, and Puig.

**ENGL 58, Literature of Mexico**  3 units  
**Transfer:** UC, CSU  
**IGETC AREA 3H (Humanities)**  
- Prerequisite: English 1.  

This course surveys Mexican literature. It deals with pre-Columbian Aztec and Mayan writing, poetry from the colonial and independence periods, and nineteenth century romanticism, but will emphasize twentieth century literature as it evolves through Modernismo (1888-1912), Posnmodemismo (1912-1918), and Postvanguardismo (1940s and 1970s): Sor Juana Inez de la Cruz, Nervo, Velarde, Reyes, Pellicer, Paz, Castellanos, Sabines, and Pacheco among other poets. The prose fiction section will begin with Azuela’s 1915 novel of the revolution, but will focus on post-1940s writers: Rulfo, Arreola, Fuentes, and Paz. Contemporary poets and writers (1970’s-present) will complete the course.

**ENGL 59, Lesbian and Gay Literature**  3 units  
**Transfer:** UC, CSU  
**IGETC AREA 3B (Humanities)**  
- Prerequisite: English 1.  

This course is an introduction to Western European lesbian and gay literature. It begins with the Greeks and ends in the late 20th Century U.S.A. Through reading of poetry, essays, articles, and novels, the students will survey and analyze the broad expanse of lesbian and gay literature.

**ENGL 60, English Seminar**  3 units  
**Transfer:** CSU  
- Prerequisite: English 2.  

This course allows students to study intensively, areas covered cursorily, if at all, in standard literature or composition classes. Students will explore primary works, source materials, and criticism in a seminar topic, giving oral presentations and writing critical analysis. Although the course is of particular importance for English majors, non-majors are also encouraged to take the course.  

*UC transfer credit is contingent upon evaluation after transfer of the course by a UC campus. This course should not be used toward calculation of the minimum 60 units needed for admission to UC.*

**ESL – English For Second Language Speakers**

For the following classes, please make an appointment for ESL assessment when applying. These classes are limited to students whose first language is not English.

**ESL 10, Intensive Multiple Skills Prep**  12 units  
- Prerequisite: None.  

ESL 10 is a low-intermediate multi-skills course designed to improve the English language skills of non-native speakers. The course concentrates on speaking/listening, reading/vocabulary, dictionary use, sentence writing, and computer assisted language learning. *Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements.*

**ESL 10S, Multiple Skills Preparation**  6 units  
- Prerequisite: None.  

ESL 10S is the compressed version of ESL 10 for fewer units. It is a low-intermediate multi-skills course designed to improve the English language skills of non-native speakers. The course concentrates on speaking/listening, reading/vocabulary.
dictionary use, sentence writing, and computer assisted language learning. *Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements.

**ESL 11A, Basic English 1** 6 units
- **Prerequisite:** ESL 10.
  ESL 11A is an intermediate, multi-skills course with an emphasis on paragraph writing for non-native speakers of English who have completed ESL 10 or score at Level C on the SMC Placement Examination.

**ESL 11B, Basic English 2** 3 units
Transfer: UC*, CSU
- **Prerequisite:** ESL 11A.
  ESL 11B is an intermediate, multi-skills course for non-native speakers of English who have completed ESL 11A. It focuses on paragraph writing and introduces the essay. *ESL 11B, 21A, 21B, and 25 combined: maximum credit 8 units.

**ESL 14A, Pronunciation and Spelling: Vowel and Consonant Sounds** 2 units
- **Prerequisite:** ESL 10.
  This course offers the study and practice of the vowel and consonant sounds that are basic to North American pronunciation and speech style, and it emphasizes listening skills and auditory discrimination of these sounds. It also introduces the spelling patterns in relationship to the vowel and consonant sounds. This course is appropriate for students at the ESL 11A level or higher.

**ESL 14B, Pronunciation: Rhythm and Intonation** 2 units
- **Prerequisite:** None.
  This course is designed to help ESL students communicate more effectively in English by learning standard North American pronunciation and by improving their ability to be understood. The course includes a brief review of all vowel sounds and specific consonants, but its main focus is on strategies to improve rhythm and intonation.

**ESL 15, Conversation and Culture in the U.S.** 2 units
- **Prerequisite:** ESL 10.
  This speaking/listening course for group "A", "B", and "C" level non-native speakers of English examines the cross cultural differences that affect communication. It prepares students to understand and speak English more clearly and fluently in pairs, groups, class discussions, interviews, panels, and speeches. Conversation techniques, vocabulary acquisition, and reading, critical thinking, and problem-solving skills are employed.

**ESL 16A, The Noun System and Articles** 1 unit
- **Prerequisite:** ESL 10 with a grade of C or better.
  This course helps non-native speakers of English to understand and use the noun system (count, non-count, proper, common, singular, plural nouns) as well as possessives and modifiers, articles ("a," "an," "the"), and other determiners ("this," "that," "those") appropriately with nouns. The course also helps students use correct verb agreement with such nouns in writing. *Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements.
ESL 16B, Using Verb Tenses  1 unit
• Prerequisite: ESL 10.
Concurrent enrollment in ESL 11A or B is recommended; however this course is open to students who place at the A or B level.

This course helps students whose first language is not English to communicate using verbs correctly. The focus of the course is correct use of verb tense forms (present, past, future, perfects, passives, modals, and conditionals). *Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements.

ESL 16C, Sentence Structure and Punctuation  1 unit
• Prerequisite: ESL 10
Concurrent enrollment in ESL 11A or ESL 11B is recommended.

This course helps students whose first language is not English to construct grammatically correct sentences using appropriate punctuation. Students will learn to combine sentence elements (clauses and phrases) to produce effective sentences.

ESL 17, Intermediate Reading Skills  3 units
• Prerequisite: ESL 11 with a grade of C or better.

This course is designed for intermediate students who want to improve their reading skill and increase their pleasure in reading. Students will improve their reading speed, comprehension, and critical thinking skills by learning strategies such as previewing, skimming, scanning, and interpreting meaning from context. They will learn how to distinguish topics, main ideas, details, facts and opinions. In addition, they will learn how to identify an author's purpose and tone. They will learn how to draw inferences and recognize patterns of organization. Students are encouraged to take ESL 17 concurrently with ESL 11A or 11B. *Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements.

ESL 20A, Advanced Grammar Workshop 1  3 units
• Prerequisite: ESL 11A/B.
Advisory: Concurrent enrollment in ESL 21A.

This is the first half of an advanced ESL grammar course designed to increase students' grammar and editing proficiency. Students will recognize and employ more sophisticated language necessary for the successful completion of ESL/English 21AB, English 22 and English 1.

ESL 20B, Advanced Grammar Workshop 2  3 units
• Prerequisite: ESL 11AB.

This is the second half of an advanced ESL grammar course designed to increase students’ grammar and editing proficiency. Students will recognize and employ more sophisticated language necessary for the successful completion of ESL/English 21A/B, English 22, and English 1. Concurrent enrollment in ESL/English 21A or English 21B is recommended.

ESL 21A, English Fundamentals  1 unit
3 units
Transfer: UC*, CSU
• Prerequisite: ESL 11B.

ESL 21A is an intermediate communicative writing course for non-native speakers. ESL 21A is the first part of the ESL 21A/B sequence. *ESL 11B, 21A, 21B and 25 combined: maximum credit, 8 units.

ESL 21B, English Fundamentals 2  3 units
Transfer: UC*, CSU
• Prerequisite: ESL 21A.

This course is the second part of a two part course ESL 21A, B. It continues the emphasis of essay writing, editing of grammar and mechanical errors, reading, and critical thinking. *ESL 11B, ESL 21A, ESL 21B, and ESL 25 combined: maximum credit, 8 units.

ESL 23, Academic Reading and Study Skills  3 units
• Prerequisite: None.

This course is a high intermediate to advanced course designed for students actively seeking to improve their study and reading skills. It concentrates on helping students improve reading comprehension, reading rate and flexibility, study skills, and note taking. Students are encouraged to take ESL 23 concurrently with ESL 21A and ESL 20A. *Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements.

ESL 25, Composition Fundamentals Review  3 units
Transfer: *UC, CSU
• Prerequisite: ESL 21B or English 21B or equivalent placement.

This course reviews and reinforces writing strategies including: the composing process, editing, and revision for English language. Extensive help will be given in vocabulary acquisition and word forms, sentence structure, and word order. *ESL 11B, 21A, 21B and 25 combined: maximum credit 8 units.

ESL 28, Academic Vocabulary Skills  3 units
• Prerequisite: None.

This course is designed for students who wish to develop their techniques for understanding academic vocabulary and using English words idiomatically. It emphasizes context and usage of academic words from the Academic Word List (Coxhead 1998) or a similar corpus. Students will learn to comprehend and use approximately 200 new words to improve their reading comprehension, speaking, and writing skills for academic success.

ESL - Noncredit

The following classes are noncredit and free— they do NOT carry academic credit or assign grades.

ESL 901: Beginning ESL

An integrated course including listening, speaking, reading and writing basic English. Course covers grammar-related activities; competency-based skills for real-life survival situations; understanding basic commands and introduction to American culture.
ESL 902: High Beginning ESL
An integrated course including listening, speaking, reading and writing basic English. Emphasis on: longer sentences; verb tenses; dialog; common idiomatic expressions; expanding vocabulary.

ESL 903: Intermediate ESL
An integrated course including listening, speaking, reading and writing basic English. Emphasis on: accuracy, fluency; greater facility with verb tenses; grammatical transformations; idiomatic expressions and increased vocabulary.

ESL 904: High Intermediate ESL
An integrated course including listening, speaking, reading and writing basic English. Emphasis on: comprehension and fluency; increased vocabulary; improved spelling; development of paragraph writing skills.

ESL 905: Advanced ESL
Emphasis is placed on complex sentence structure, writing skills, grammar and syntax, oral interactions, functioning linguistically in complex social situations.

ESL 906: High Advanced ESL
Emphasis on: consolidation of skills; maximizing communication; use of complex grammatical structure; enrichment of fluency; accent reduction; preparation for reading and writing for college and/or real-life experiences.

ESL 911: Beginning Listening, Speaking and Pronunciation
This course is designed for the beginning ESL student. The focus is improvement of the student’s pronunciation and comprehension of English through exercises which improve aural discrimination of sounds, build association of sounds with written letters; teach placement of lips, tongue and teeth for correct pronunciation; impart correct intonation and stress patterns; improve conversation skills; teach socio-cultural context for intonation and vocabulary.

ESL 913: Intermediate Listening, Speaking and Pronunciation
This course is designed for the intermediate ESL student. The focus is refinement of pronunciation and comprehension of English through exercises which improve aural discrimination of sounds; association of sounds with written letters; improve intonation, stress patterns and positions of mouth; improve and expand conversation skills and vocabulary; refine socio-cultural contact for intonation, vocabulary and subject matter.

ESL 915: Advanced Listening, Speaking and Pronunciation
This course is designed for the advanced ESL student. The focus is refinement of pronunciation; use and comprehension of English though exercises which improve and refine analysis and production of sounds, enrich fluency; and build the student’s confidence in a wide variety of situations where a solid command of aural English is required.

ESL 971: Beginning Idioms, Prepositions, and Vocabulary
This course is designed for the beginning ESL student. Students learn basic English vocabulary, idiomatic expressions, phrasal verbs, and grammatical structures, and begin engaging in simple dialogs and conversations that are culturally-appropriate and applicable to a variety of real-life situations.

ESL 973: Intermediate Idioms, Prepositions, and Vocabulary
This course is designed for the intermediate ESL student. Students build an intermediate-level English vocabulary, and expand their knowledge and use of idiomatic expressions, phrasal verbs, and grammatical structures. Students engage in intermediate-level dialogs and conversations that are culturally-appropriate and applicable to a variety of real-life situations.

ESL 975: Advanced Idioms, Prepositions, and Vocabulary
This course is designed for the advanced ESL student. The course focuses on enriching and refining students’ knowledge and use of idioms, phrasal verbs, and vocabulary. Students learn advanced-level English vocabulary, idiomatic expressions, and grammatical structures, and engage in complex and culturally-appropriate dialogs and conversations.

Entertainment Technology
The following courses are open to enrollment by any student who has been accepted to the college except where prerequisites are indicated. Please call (310) 434-3700 or visit the Academy website at http://academy.smc.edu for information on admission to the Entertainment Technology program which offers courses in Animation, Game Development, Post Production, Visual Effects and Web Design. Internships are also available.

ET 2, Storytelling 3 units
Transfer: CSU
Prerequisite: None.
This introductory critical thinking class covers the fundamentals of storytelling and story structure. Students will explore a general history of storytelling, from its pictorial roots of cave paintings to its modern forms in entertainment media. This class includes an overview of different cultures and how these cultures use story to entertain and disseminate social values. Emphasis will be on how story is used in modern Western society and how storytelling impacts moral issues. Guest lectures from the entertainment industry will come to share with the class their ideas on storytelling in modern media. Students will learn to prepare and tell effective stories.

ET 3, Principles of Project Management 3 units
Transfer: CSU
Prerequisite: None.
Effective project management plays a key role in the execution and completion of interactive media projects. In this intro-
eductory course, students will learn step-by-step how a project develops and evolves through the project management process. Topics include planning, time management, risk management, team management, contract administration, and budgeting. Students will identify the components of a project management team, project manager roles and responsibilities, and organizational structures in interactive media. Case studies and problem solving will provide insight into practical applications of project management techniques.

**ET 7, Entertainment Business Law**  
3 units  
Transfer: CSU  
• Prerequisite: None.

This course covers legal rights and responsibilities of individuals, agencies, partnerships, and corporations as they apply to contract law and concentrates on the entertainment industry. This course provides a broad overview of the legal issues arising in the day-to-day business of film, television, music, and new media. Students will gain an understanding of the various rights involved in the production and distribution of entertainment product, as well as the basics of rights acquisition and analysis. The course will also cover the legal relationships among talent, agents, managers, and attorneys and the laws governing entertainment professionals.

**ET 11, Computer Skills for Digital Media**  
3 units  
Transfer: CSU  
• Prerequisite: None.

This introductory course covers the computer skills, concepts, and essential software needed to work successfully in the fields of computer animation and interactive media. Students will learn the use of general computer skills such as file organization for projects, keyboard shortcuts, using local area networks, and using proper file suffixes. Digital image concepts such as vector and raster images, color bit depth, and pixel dimensions will be introduced. Key software applications will be covered for raster image editing, vector image editing, audio, web browsing, and spreadsheets.

**ET 12, Principles of Web Design**  
1 unit  
• Advisory: Entertainment Technology II.

This course is designed as an introduction to web design for students with a basic knowledge of computers (PC or MAC), and an understanding of software applications for word processing and computer graphics. Students will learn to think critically about design for interactive media, while considering the practical, technical, production, and budgetary constraints. Students will also learn about the history of web-based media, and gain hands-on experience in the basics of interactive design production.

**ET 13, Game Prototyping**  
3 units  
Transfer: CSU  
• Advisory: Entertainment Technology 42.

This computer-based course is focused on the design and implementation of successful prototypes for gaming platforms and the Internet. Students will learn the fundamentals of software authoring for these platforms including interactive story telling, navigation metaphors, technical constraints, gaming basics, and usability. Students will gain experience working with media (text, graphics, animation, video, and audio), using authoring environments, and writing scripts to control interactivity. Students will design and implement game and software titles that can be included in their portfolios.  
_This course uses the Gamemaker gaming engine._

**ET 14, Web Design I**  
3 units  
Transfer: CSU  
• Advisory: Entertainment Technology 12.

This computer-based course is focused on the design and implementation of successful web site design, web graphics and audio, HTML, dynamic HTML, and authoring tools. Design issues such as effective communication, technical constraints, typography, navigation, and information architecture will be addressed. Students will design and implement web sites that can be included in their portfolios.

**ET 15, 3D Game Prototyping**  
4 units  
Transfer: CSU  
• Prerequisite: Entertainment Technology 13, 24.

This course continues to cover the fundamentals of game design and prototyping as applied to the development of electronic media using 3D software authoring tools. The course will focus on software driven play mechanics to execute the system dynamics, as well as the formal and dramatic elements that go into electronic gaming. Lectures and demonstration will illustrate key concepts as found in the large variety of platforms and game genres. Topics also include authoring strategies and methodologies, resource management, stages of entertainment software development, and the business of the interactive entertainment industry. Students will become familiar with the integration of digital audio, character animation and 3D environments into a software engine prototype. Students will also learn digital authoring techniques for prototyping, playtesting, and revising their own original game concepts.  
_This course uses the Unreal Developer Network._

**ET 16, Web Design II**  
4 units  
Transfer: CSU  
• Prerequisite: Entertainment Technology 14.

This advanced course builds on the fundamentals presented in ET 14, and focuses on the skills needed to make complete, commercial quality web sites. Working in teams, students will participate in a directed design and implementation of a medium size web site. Technical topics include Cascading Style Sheets, advanced page slicing, layer based menus, compatibility issues, optimization, testing, and incorporating audio/video. Other topics include client management, information design, production methodology, teamwork and budgeting. Students will also explore contemporary interactive design issues, and develop an individual interactive design project.

**ET 18, Storyboards**  
2 units  
Transfer: CSU  
Pre- or Corequisite: Entertainment Technology 2.

This introductory course explores the fundamentals of the storyboarding process used in the entertainment industry. Students will learn the basic principles of how story is applied to a visual medium. Through lectures, assignments and critiques, students will master the techniques of staging, composition and camera movement. The class will also analyze and dis-
cuss the various applications of storyboards in broadcast media, animated short and feature-length films, videogames and visual effects.

**ET 19A, 2D Animation I** 2 units
Transfer: CSU

- **Prerequisite:** None.

This introductory course focuses on the basic principles of drawn animation. Through a series of lectures and projects, students will learn animation fundamentals such as squash and stretch, anticipation, follow through, overlapping action, arcs, timing and posing. The material covered in this class serves as a foundation for the advanced animation courses. *Entertainment Technology 19A is the same course as Graphic Design 74. Students may receive credit for one, but not both.*

**ET 19B, 2D Animation II** 2 units
Transfer: CSU

- **Prerequisite:** Entertainment Technology 19A, 92.

This course focuses on the underlying principles of character animation. Techniques such as timing, weight, anticipation, squash and stretch, overlapping action, exaggeration and staging are covered. Students will also be introduced to the basics of lip-sync and performance animation.

**ET 20, Visual Development** 3 units

- **Prerequisite:** Entertainment Technology 2, 18, 91, 94.

This course explores the pre-production process used in the entertainment industry. Students will learn how to visually develop an idea for production. Areas covered by this course include story/concept development, art direction, writing, storyboarding, layout, sound design, and timing. Students will create an individual story bible, style guide and animatic based on an assigned theme. The course will also examine the differences in film, broadcast and video game production, and their impact on the design process.

**ET 23, 2D Character Animation** 3 units

- **Prerequisite:** Entertainment Technology 19B.

This course in basic character animation includes basic drawing, color, composition, and storyboarding. Techniques such as timing, weight, anticipation, squash and stretch, overlapping action, successive breaking of joints to create flexibility, composition, and staging are also covered. The focus of this course is an in-depth analysis of what makes a character function and how those principles are applied to an animated character.

**ET 24, 3D Fundamentals** 4 units
Transfer: CSU

- **Prerequisite:** Entertainment Technology 19A, 37.

This introductory course provides a basic overview of the tools used in the creation of 3D digital animation. Topics covered include modeling, character rigging, animation, shading, lighting and rendering. This course emphasizes the fundamental concepts of 3D digital animation as well as an understanding of the software. In addition to completing weekly exercises, students will apply the skills they learn to create an individual project.

*This course uses Autodesk Maya.*

**ET 24A, Introduction to 3D Animation** 2 units
Transfer: CSU

- **Advisory:** Entertainment Technology 11.

This introductory course provides an overview of the tools available for the creation of 3D digital animation. Through a series of lectures and weekly exercises, students will be introduced to the basics of character rigging and animation. This course is intended for industry professionals who would like to gain an understanding of 3D software. The course material of ET 24A is similar to that of ET 24 but does not require a final project. Students who have completed ET 24 may use ET 24A as a review course.

*This course uses Alias Maya.*

**ET 24B, 3D Character Animation** 3 units
Transfer: CSU

- **Prerequisite:** Entertainment Technology 19B, 24.

This course focuses on the basic principles of character animation as applied to 3D characters. Techniques such as posing, timing, weight, anticipation, squash and stretch, overlapping action, and staging are covered. Students will also be introduced to the basics of performance animation. In addition to completing weekly exercises, students will apply the skills they learn to create an individual project.

*This course uses Autodesk Maya.*

**ET 25, 3D Modeling and Rigging** 4 units
Transfer: CSU

- **Prerequisite:** Entertainment Technology 24.

This course begins a detailed overview of the production process used in creating digital character animation. Using the Autodesk Maya software package, students will create an animated project from initial design to final character animation. Areas covered by this class include character modeling, previsualization, advanced character setup and animation, facial animation, and soundtrack synchronization. The project begun in this course will be completed in ET 26.

*This course uses Autodesk Maya.*

**ET 26, 3D Rendering** 4 units
Transfer: CSU

- **Prerequisite:** Entertainment Technology 25.

This course continues an overview of the digital animation process begun in Entertainment Technology 25. Students will complete an animated project using Autodesk's Maya software package. Advanced shading, lighting, rendering and compositing techniques will be covered. Students will complete an animated project using Autodesk's Maya software package. Advanced shading, lighting, rendering and compositing techniques will be covered. Students will also be introduced to topics such as particles, dynamics and scripting.

**ET 30, Animation Project (4,4)** 4 units
Transfer: CSU

- **Prerequisite:** Entertainment Technology 20, and 25.

This course covers the design and production of a faculty-supervised project for portfolio development. Students will develop an animated project from an original concept to final output. Areas covered by this course will include story development and design, modeling, rigging, animation and rendering. This course will enable students to develop an effective demonstration reel.
ET 31A, Digital Video Fundamentals 3 units
Transfer: CSU
Advisory: Entertainment Technology II.

This introductory course familiarizes students with the fundamental aspects of digital video production. Covering acquisition formats, authoring formats and delivery formats, the class provides a strong foundation for working with digital image (both motion picture and still pictures) and digital sound in non-linear digital video post production. Topics will include digital vs. analog, time code, frame rates, frame size, frame aspect ratio, pixel aspect ratio, data transfer rates, key frames, NTSC and PAL television standards, image composition and acquisition, video capture and compression. The technical aspects of video hardware and computer hardware will also be covered. This course uses Apple Final Cut Pro and Avid Express.

ET 31B, Digital Video Editing 3 units
• Prerequisite: Entertainment Technology 31A.

This course focuses on the fundamental techniques, skills, and theories of editing as well as the technical requirements for assembling a digital video project. Through a series of hands-on projects, students will put traditional theories of picture and sound editing into practice. The course will also cover the history of nonlinear editing and provide an overview of the post production process.

ET 32, Digital Compositing 3 units
Transfer: CSU
• Prerequisite: Entertainment Technology 31A, 37.

Digital compositing is the process of digitally manipulating a combination of source images to produce a seamless whole. This course provides a complete overview of the compositing process as it is used in film/television, visual effects, and multimedia. Areas covered include image creation and manipulation techniques as well as design and color fundamentals. Through a series of exercises and projects, students will develop the aesthetic and technical skills necessary for integrating diverse visual elements into cohesive imagery.

ET 34, Web Animation I 3 units
Transfer: CSU
Advisory: Entertainment Technology II.

This class focuses on all aspects of web animation, giving special attention to characters and graphics, as well as interactivity and light programming. Students learn the tricks of controlling file size, special approaches for importing and creating animation, and all other production techniques needed for building complete web animation projects.

ET 36, Web Animation II 3 units
• Prerequisite: Entertainment Technology 34.

This course focuses on advanced techniques in Flash, a vector-based graphic and animation package that creates advanced web-based applications that include scripted behaviors and interactions. Students learn advanced techniques for interactive scripting, web interface design, advanced visuals, games and motions graphics. Techniques for communicating between interactive application and the browser and/or server are also covered. The goal of this course is to provide professional level skills for web animation and interface development. Students will create a large final project incorporating advanced techniques discussed in the course.

ET 37, Digital Imaging for Design I 3 units
Transfer: CSU
Advisory: Entertainment Technology II.

Using Adobe Photoshop, this computer class teaches students how to scan, manipulate, and enhance digital images for graphic reproduction and use on the web. Includes retouching, color adjustment and color correction techniques. Entertainment Technology 37 is the same course as Graphic Design 64. Students may receive credit for one, but not both.

ET 38, Digital Imaging for Design II 3 units
Transfer: CSU
• Prerequisite: Entertainment Technology 37.

This Windows-based course will introduce students to the fundamentals of digital audio design and provide them with the basic tools to use the technology appropriately, creatively, and effectively. The course will focus on audio for games, digital media, and electronic music implementation. Practical experience will be balanced by an emphasis on understanding the fundamentals of the technology and its applications within the interactive game industry. Topics covered will include principles of good audio design; the essential hardware and software tools of music production in a digital environment; characteristics and differences between various audio formats; basic principles of sound waveform editing; and recording techniques for interactive and video integration. This course uses Sony Sound Forge, Vegas, and Acid Pro.

ET 39, Digital Audio for Games 3 units
Transfer: CSU
• Advisory: Entertainment Technology II.

This Windows-based course will introduce students to the fundamentals of digital audio design and provide them with the basic tools to use the technology appropriately, creatively, and effectively. The course will focus on audio for games, digital media, and electronic music implementation. Practical experience will be balanced by an emphasis on understanding the fundamentals of the technology and its applications within the interactive game industry. Topics covered will include principles of good audio design; the essential hardware and software tools of music production in a digital environment; characteristics and differences between various audio formats; basic principles of sound waveform editing; and recording techniques for interactive and video integration. This course uses Sony Sound Forge, Vegas, and Acid Pro.
audio formats; basic principles of sound waveform editing; and multi-track editing and recording techniques for multimedia and video integration.

* This course uses DigiDesign Pro Tools.

**ET 41, Advanced Digital Editing** 3 units
Transfer: CSU

- **Prerequisite:** Entertainment Technology 31B, 40.

  In this course students will combine skills acquired in the advanced digital media courses to design and implement sound for their portfolio projects. Areas covered include live audio recording, working with prerecorded audio elements, and inventing sounds using foley techniques. The principles of sound sweetening and multi-track layering will be addressed, as well as multi-track compositing. Students will also learn advanced digital video editing techniques of integrating video and audio elements into a finished piece.

**ET 42, Principles of Game Development** 2 units
Transfer: CSU

- **Prerequisite:** None.

  This course is an introductory overview of the electronic game development process that underlines the historical context, content creation strategies, and future trends in the industry. The course will also explain how games are produced, tested, and released.

**ET 44, Game Design/Play Mechanics** 3 units
Transfer: CSU

- **Advisory:** Entertainment Technology 42.

  This course covers the fundamentals of game design. The focus is on building a solid understanding of play mechanics: the formal elements of play, the dramatic elements that make a game meaningful to its players, and the system dynamics that shape the overall experience. Lectures will use historical and current games and genres to illustrate key concepts. Topics include strategy and tactics, resource management, emergent complexity, puzzles and puzzle development, and the business of games. Students will learn the process of design through prototyping, playtesting and revising their own original game concepts.

**ET 47, Web Design Project (3,3) 3 units**
Transfer: CSU

- **Prerequisite:** Entertainment Technology 16.

  This computer based course covers the design and production of a faculty supervised project for portfolio development. Students will produce a finished web site, from creation of the original concept through the completion of the finished project. Emphasis will be placed on media design, information design, interactive design, efficient production practices, and successful communication. Each team will complete one major game prototype for portfolio development.

  * This course uses the Unreal Developer Network and Alias Maya.

**ET 58, Motion Graphics I** 3 units
Transfer: CSU

- **Prerequisite:** Entertainment Technology 11 and 37.

  This course introduces students to the motion graphics capabilities of Adobe After Effects. Projects assigned during the course will increase students’ skill with both the creative and the technical challenges posed by motion graphics, each project based on common professional uses of After Effects. Working with the instructor, students will develop final projects that focus on their particular area of interest within the field of motion graphics. All projects completed in this course will be included in the student’s portfolio.

**ET 59, Motion Graphics II** 3 units
Transfer: CSU

- **Prerequisite:** Entertainment Technology 58.

  This course focuses on common professional uses of advanced motion graphics techniques. Areas covered include velocity controls and interpolation, spatial resolution and temporal resolution, expressions, parenting, advanced text animation, advanced plug-ins, keying, and color adjustment. Through the projects completed in this course, students will increase their creative and technical skills to develop their professional portfolio.

**ET 60, Post Production Project (3,3) 3 units**
Transfer: CSU

- **Prerequisite:** Entertainment Technology 2, 41 and 59.

  This computer-based course covers the design and production of a faculty supervised project for portfolio development. Students will produce an original post production project from creation of the original concept through the completion of the finished project. Emphasis will be placed on design quality and technical execution. Students will complete one major project for their portfolio.

**ET 61, History of Animation** 3 units
Transfer: CSU

- **Prerequisite:** None.

  This course will explore the history of animation through its earliest beginnings to the present. In addition to the chronological order of events, this course will look at the multi-faceted aspects of this relatively modern art form. The influences of economics and social/political pressures on the art form will be examined. Included will be the study of individual animators and studios, big and small; different art techniques, materials 2D and 3D. The class will also examine the principles of movement and how they apply to the zoetrope as well as the computer.

  * Entertainment Technology 61 is the same as GR DES 74. Students may receive credit for one but not both.

**ET 62, History of Visual Effects** 3 units
Transfer: CSU

- **Prerequisite:** None.

  This class will explore the evolution of visual effects in the
movie industry and reveal the secrets behind some of the most memorable scenes in film history. Through lectures, sample clips, and guest speakers, this course will travel back in time to see how much technology has changed the face of film production and peek at what the future might hold. This course is for anyone who has ever asked the question, “How did they do that?”

**ET 63, Digital Tracking and Integration 3 units**  
Transfer: CSU  
- Prerequisite: Entertainment Technology 24, 91.

This course focuses on the techniques of combining digitally created elements with live-action footage. Areas covered include camera tracking, matching, rotoscoping, motion capture and green screen photography. Through a series of exercises and projects, students will learn to seamlessly integrate computer generated elements with digital video. Emphasis will be placed on problem solving as well as software training.

**ET 64, Digital Effects I 3 units**  
Transfer: CSU  
- Prerequisite: Entertainment Technology 24, 94.

This introductory course provides a basic overview of the tools available in Side Effects Houdini software package for the creation of digital effects. Topics covered include modeling, particles, look development, shading, lighting and rendering. This course emphasizes the fundamental concepts of digital effects as well as an understanding of the software.

**ET 65, Digital Effects II 3 units**  
Transfer: CSU  
Entertainment Technology 64.

This course focuses on advanced methodologies for creating digital effects. Topics covered include advanced particle simulations, expressions and scripting techniques, dynamic simulations, rendering solutions, and effects compositing. This course emphasizes procedural workflows and the interdependency of various software tools to achieve efficient and flexible results. This course uses Side Effects Houdini.

**ET 72, Career Exploration 2 units**  
Transfer: CSU  
- Prerequisite: None.

This course provides an overview of various career opportunities within the entertainment industry. By examining the production and postproduction processes of the animation, internet, videogame, film and television industries, students will be able to identify potential career paths. The course will investigate the skill requirements of entry-level career positions and assist students in preparing to apply for these positions.

**ET 75, Digital Production for 2D Animation 3 units**  
Transfer: CSU  
- Prerequisite: None.

This course covers the mechanics of digital production for animated films and commercials, TV series, short, and feature-length films. The student will have hands-on experience with the following stages of production: scanning animation drawings, digital pencil testing, digital inking and painting, asset management of scene files, the electronic exposure sheet, sound synchronizing to picture, background painting, digital compositing, and camera moves.

**ET 80, Digital Effects Project (3,3) 3 units**  
Transfer: CSU  
- Prerequisite: Entertainment Technology 32, 63, and 65.

This computer-based course covers the design and production of a faculty supervised project for portfolio development. Students will produce an original digital effects project from creation of the original concept through the completion of the finished project. Emphasis will be placed on design quality and technical execution. This course will also cover demonstration reel development.

**ET 84B, Special Topics – 3D Animation 1 unit**  
- Prerequisite: ET 24.

This short hands-on course allows students to focus on areas of specific interest that relate to the 3D production process. Students will work with the instructor to design projects that increase their skill with the Autodesk Maya software program.

**ET 84C, Special Topics – Web Animation 1 unit**  
Transfer: CSU  
- Prerequisite: Entertainment Technology 34.

This short, hands-on course allows students to focus on areas of specific interest that relate to internet-based animation. Students will work with the instructor to design projects that increase their skill with the Macromedia Flash software program.

**ET 84F, Special Topics – Visual Effects 1 unit**  
- Prerequisite: Entertainment Technology 64.

This short, hands-on course allows students to focus on areas of specific interest that relate to the digital effects production process. Students will work with the instructor to design projects that increase their skill with the Side Effects Houdini software program.

**ET 84H, Special Topics – 2D Animation 1 unit**  
- Prerequisite: Entertainment Technology 19A.

This short, hands-on course in animation allows students to focus on areas of specific interest that relate to the 2D production process. Students will work with the instructor to design projects that increase their traditional animation skills.

**ET 84K, Special Topics – Post Production 1 unit**  
- Prerequisite: Entertainment Technology 31A.

This short, hands-on course allows students to focus on areas of specific interest that relate to the post-production process. Students will work with the instructor to design projects that increase their skill with post-production software.

**ET 88A, Independent Studies in Entertainment Technology 1 unit**  
Transfer: CSU  
Please see “Independent Studies” section.

**ET 88B, Independent Studies in Entertainment Technology 2 units**  
Please see “Independent Studies” section.
ET 89, Figure Drawing 1 unit
Transfer: CSU
Prerequisite: None.
This course is designed for the advanced drawing student. Students completing this course will have a familiarity with all major issues involved in drawing and visualizing the figure as an animate, three-dimensional form, and will have developed perceptual and manual skills equal to the challenge of understanding the human body as a structure in space, in both static and dynamic modes. Comprehension of figure structure will be both anatomical and perspectival with special emphasis on developing a model of the human figure that can be easily visualized in the imagination and adapted for use in animation and related disciplines.

ET 90, Modeling 1 unit
Transfer: CSU
Prerequisite: None.
This is an introductory, hands-on course in 3-D clay modeling. Designed to prepare computer animation students to “think” in 3-D, this class emphasizes actual modeling techniques to use in 3-D computer modeling classes. The student will be introduced to professional model-making skills, vocabulary, tools, and materials.

ET 90A, Internship 1 unit
Prerequisite: 2.0 grade point average and an approved internship with instructor prior to enrollment.
The Internship Program is designed to provide the student with on-site practical experience in a related field. Students spend a minimum of 60 hours during the term in a supervised facility. Exit internship evaluation, time log, and oral are required.

ET 90B, Internship 2 units
Prerequisite: 2.0 grade point average and an approved internship with instructor prior to enrollment.
The Internship Program is designed to provide the student with on-site practical experience in a related field. Students spend a minimum of 120 hours during the term in a supervised facility. Exit internship evaluation, time log, and oral are required.

ET 90C, Internship 3 units
Prerequisite: 2.0 grade point average and an approved internship with instructor prior to enrollment.
The Internship Program is designed to provide the student with on-site practical experience in a related field. Students spend a minimum of 180 hours during the term in a supervised design facility. Exit internship evaluation, time log, and an oral are required.

ET 91, Perspective Drawing 2 units
Transfer: CSU
Prerequisite: None.
This course focuses on the principles of three-dimensional drawing. Emphasis is placed on fundamental concepts such as diminution, foreshortening, convergence and shading. Concepts such as horizon lines, vanishing points, and picture planes will be covered. Perspective drawing methods will be applied to rendering interiors, exteriors, objects and figures.

ET 92, Figure in Motion 3 units
Transfer: CSU
Prerequisite: None.
This is the foundation course for traditional and computer animators to understand and draw the figure in motion. This course teaches the student to visualize and quick sketch the figure in three-dimensional as it moves through space. Emphasis is placed on construction, volume, key poses and gestures as the figure moves in a given action. Students will also develop portfolio drawings necessary for job interviews in the industry.

ET 93, Quick-Sketch and Rapid Visualization 1 unit
Prerequisite: None.
The major emphasis in this course for advanced students will be the ability to draw clear, credible, and simplified representations of complex visual phenomena. These phenomena include the human figure at rest or in motion and the spatial environment for these figures and their actions. Students will use a variety of media, some of which will be applicable spontaneous reactions to action events. Skill development will include the ability to visualize and invent figures and environments from a variety of viewing angles and light conditions.

ET 94, Color Theory and Application 2 units
Prerequisite: None.
Students in this course will study the development of color perception, harmony, expression, visualization, and the application of color in traditional and digital imagery using a 2-D, 3-D, or 4-D format through a series of problem-solving exercises and projects.

ET 95, Animal Drawing 2 units
Transfer: CSU
Prerequisite: None.
This course provides students with a working understanding of animal anatomy and movement and its comparison to human anatomy and movement. Students will develop skills in proportional and perspective analysis of animal forms. This class will teach students to sketch a variety of animals both from life and from other visualization techniques.

ET 96, Costumed Figure Drawing 2 units
Transfer: CSU
Prerequisite: None.
Students who successfully complete this course will learn to both understand and predict the physical correlation between the figure and its costume, acquiring in the process knowledge of the structural topology of draping. Attention will be given to the planar surface structure (tonal and directional) of draped fabric in relation to linear perspective and light source.

ET 97, Advanced Figure in Motion 3 units
Transfer: CSU
Prerequisite: Entertainment Technology 92.
This course is a continuation of the study of the animation of the figure in motion. Emphasis will be placed on the expression and fluidity of movement, composition, proportion, perspective, and the introduction of color. Character will be defined by the inclusion of detail, gesture, texture, and expression.
Academy of Entertainment & Technology

Please see listing under “Entertainment Technology.”

Environmental Studies

ENVRN 7, Introduction to Environmental Studies 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social and Behavioral Sciences)
• Prerequisite: None.
This introductory course will use an interdisciplinary approach to provide students with a broad perspective on environmental problems and solutions. Students will be introduced to the strategies used by scientists, economists, political analysts, and other writers and researchers to investigate and analyze environmental and urban issues, human/nature relationships, natural and built environments, and environmental citizenship. Environmental Studies 7 is the same course as Geography 7. Students may earn credit for one, but not both.

Fashion Design and Merchandising

FASHN 1, Fashion Trends and Design 3 units
Transfer: CSU
• Prerequisite: None.
This course is designed to serve both students of fashion design and fashion merchandising in preparing them to become familiar with the nature of fashion design and its components and to understand how environmental factors influence the style, color, texture, and design of garments. Fashion materials, theories of fashion adoption, sources of design inspiration, and manufacturing a garment will be discussed.

FASHN 2, Color Analysis 3 units
Transfer: CSU
• Prerequisite: None.
This course is an exploration of color theory and elements of design with emphasis on the expertise of color mixing and creative color combinations. Theory is applied to textile, fashion design, and fashion merchandising.

FASHN 3, Apparel Construction 3 units
Transfer: CSU
• Prerequisite: None.
This course is an introduction to basic sewing techniques of costume and manufacturing apparel and provides familiarization with the tools used in the fashion industry. Development of fundamental skills and terminology of clothing construction. Emphasis is on interrelationship of fabric, fiber, design and construction techniques. This course is required of all Fashion Design and Merchandising majors. *Maximum credit is for two courses from Fashion 3, 6, 10.

FASHN 5, Fashion Buying 3 units
Transfer: CSU
• Prerequisite: None.
This is an introductory course in fashion buying to acquaint the students with the life of a buyer that includes considerations and practices of an executive or middle manager. The buyer's position includes responsibilities such as making evaluations and maintaining standards that are complete and constant. This course will also present an awareness of quality effect of stocking merchandise and knowing and effectively practicing what to buy, when to buy, and how much to buy.

FASHN 6A, Pattern Analysis and Design (2,2) 2 units
Transfer: CSU
• Prerequisite: Fashion 3.
This course is a study of the basic pattern drafting techniques of the apparel industry and the transfer of a design to a flat pattern. Students learn to design and make their own patterns. *Maximum credit is for two courses from Fashion 3, 6, 10.

FASHN 6B, Pattern Drafting and Design (Intermediate) 3 units
Transfer: CSU
• Prerequisite: Fashion 6A.
This course is a continuation of Fashion 6A with emphasis on more advanced and complex design creations in harmony with the current trends.

FASHN 7, Fabrics for Fashion Design and Merchandising 3 units
Transfer: UC, CSU
• Prerequisite: None.
A detailed study of textiles from fiber to finished fabric is covered in this course including identifications of fiber types, construction, printing, dyeing, and finishes of natural/man-made fabrics. Emphasis is on fabric design, principles of patterns, and methods of textile decoration.

FASHN 8, History of Fashion Design 3 units
Transfer: CSU
• Prerequisite: None.
This survey of fashion of the Western world introduces historic dress as an inspiration and a design resource for students of fashion design and fashion buying and merchandising. The evolution silhouette and the cut and construction of men's and women's garments are analyzed using slides of paintings, drawings, sculpture and historic costume. Contemporary examples in fashion are compared to their historic sources.

FASHN 9A, Fashion Illustration and Advertising (3,3) 3 units
Transfer: CSU
• Prerequisite: None.
This course will give students skill in drawing fashion figures and deals with contemporary idealized proportions used for fashion today for both fashion design and fashion merchandising. Students will develop individual style in their presentation, and learn to use their drawing as a means of communicating their ideas and designs.
FASHN 9B, Advanced Fashion Illustration and Advertising 2 units
Transfer: CSU
• Prerequisite: Fashion 2 and 9A.
This course provides the student with advanced techniques used to illustrate fashion and is for students of fashion design or fashion merchandising. Techniques are taught that are used for quick and realistic sketching and rendering with water color to illustrate various designs and textures.

FASHN 10, Advanced Design and Construction (3,3) 3 units
Transfer: CSU
• Prerequisite: Fashion 3.
Emphasis on unique and creative designs with manipulation of appropriate and more difficult fabrics. Students will gain more confidence and speed in their design developments, pattern making and construction. *Maximum credit is for two courses from Fashion 3, 6 or 10.

FASHN 11, Advanced Clothing – Tailoring 2 units
Transfer: CSU
• Prerequisite: Fashion 3.
This course explores traditional and contemporary tailoring techniques as applied to the design and construction of men’s and women’s coats, suits, jackets and other tailored garments. It includes a study of the ready-to-wear and retail clothing fields, with emphasis on the individual as a consumer of tailored garments.

FASHN 12, Fashion Show Production 3 units
Transfer: CSU
Advisory: Fashion 6A or 13.
This course is designed to give students of Fashion Design and Fashion Merchandising the opportunity to learn how to plan and develop a Fashion Show.

FASHN 13, Draping I 3 units
Transfer: CSU
• Prerequisite: Fashion 6A.
This course covers the principles of draping and the ability to develop a pattern in three-dimensional form, opening new ways of designing and creating and recognizing the qualities of a well-designed garment.

FASHN 14, Draping II 3 units
Transfer: CSU
• Prerequisite: Fashion 13.
This course is a continuation of Fashion 13 and deals with more complex and original designs for draping. Students will learn how to analyze and interpret complicated designs by means of draping and gain enough experience and speed to create and develop more advanced designs.

FASHN 15, Ethnic Fashion 3 units
Transfer: CSU
Advisory: Fashion 6A or 9.
Apparel worn as national dress by people all over the world is surveyed. The origins and functions of clothing in different cultures are examined. Creative designing is inspired by ethnic costumes.

FASHN 16, Pattern Grading 2 units
Transfer: CSU
Advisory: Fashion 6A or 9.
Grading is the process of proportionally increasing or decreasing the production pieces according to set measurements for each clothing classification (Women’s Junior Petite, Junior, Misses, Half-sizes). This is done without changing or losing the style proportions which are part of the design concept while still retaining the original lines and style of the garment. Students are introduced to and become familiar with a computer program used for grading in the fashion industry, and with the logic and rules that apply to pattern grading.

FASHN 17, Apparel Production Manufacturing Techniques 3 units
• Prerequisite: Fashion 6 or 13.
This course will provide professionally oriented application of design and skills for developing a collection in apparel manufacturing. The course will cover production methods and techniques of costing for different market. Hands on practice of methods in development of garment groups and organization of a line. Selection of suitable fabrics, production pattern, production sample making, and cost sheet will be covered.

FASHN 88A, Independent Studies in Fashion 1 unit
Transfer: CSU
Please see “Independent Studies” section.

FASHN 88B, Independent Studies in Fashion 2 units
Transfer: CSU
Please see “Independent Studies” section.

FASHN 88C, Independent Studies in Fashion 3 units
Transfer: CSU
Please see “Independent Studies” section.

FASHN 90A, Internship 1 unit
• Prerequisite: A grade point average of 2.0 and an approved internship prior to enrollment.
The Internship program is designed to provide the student with on-site practical experience in a related field.

FASHN 90B, Internship 2 units
• Prerequisite: 2.0 grade point average and an approved internship prior to enrollment.
The Internship Program is designed to provide the student with on-site practical experience in a related field.

FASHN 90C, Internship 3 units
• Prerequisite: 2.0 grade point average and an approved internship prior to enrollment.
The Internship Program is designed to provide the student with on-site practical experience in a related field.
**Film Studies**

Formerly Cinema. Also see courses listed under Broadcasting, Communication, Journalism and Speech.

**FILM STUDIES 1, Film Appreciation: Introduction to Cinema** 3 units

Transfer: UC, CSU
IGETC Area 3A (Arts)
- *Skills Advisory: Eligibility for English 1.*

This course will introduce the art, technology, language, and appreciation of film, exploring the varieties of film experience, film, and the other arts, and the ways of viewing. Students will learn about the basic cinematic techniques and structures, including mise-en-scene and montage, use of cinematic time and space, the image, soundtrack, and the script. Consideration will also be given to analyzing the fundamentals of film production, directing, acting, and editing; how the elements of the production process are analyzed separately, then brought together to show how they create the emotional and intellectual impact of the film experience. Film examples will be screened in class. This course is intended as a beginning course to introduce students to cinema.

**FILM STUDIES 2, History of Motion Pictures** 3 units

Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

A broad survey is made of the history, theory, techniques, and development of motion pictures. The history of film as a major art form and its major artists, works, and styles are emphasized. Film examples are screened in class.

**FILM STUDIES 5, Film and Society (3,3) 3 units**

Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course presents motion pictures as reflections and influences of American society. Films are often selected from specific decades and analyzed as records of social attitudes shaping the present and past.

**FILM STUDIES 6, Women in Film** 3 units

Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- *Prerequisite: None.*

This course is a historical study and survey of the multiple and varied images of women in film. Students will screen and analyze films over seven decades, beginning with the 1930s. Students will also read, discuss, and write about women’s roles in these films. The focus is to analyze the representation of women in each film screened, to discuss how characters’ roles have changed over time, and to examine occupation, dress, and rules of behavior.

**FILM STUDIES 7, American Cinema: Crossing Cultures** 3 units

Transfer: CSU
- *Skills Advisory: Eligibility for English 1.*

This course surveys American motion pictures that have been made by filmmakers representing three United States ethnic groups, including African Americans, Latino Americans, and Asian Americans. Students will also analyze Hollywood’s treatment of those ethnic cultures throughout film history.

**FILM STUDIES 8, The Popular Film Genres (3,3) 3 units**

Transfer: UC, CSU
IGETC AREA 3A (Arts)
- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This introductory course surveys the development and artistic, social, and entertainment ingredients of basic film genres. Emphasis on such types as the science-fiction film, western, gangster film, crime and detective thriller (“film noir”), musical, comedy, or horror film varies each term.

**FILM STUDIES 9, The Great Film Makers (3,3) 3 units**

Transfer: UC, CSU
IGETC AREA 3A (Arts)
- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course covers a limited number of film directors, writers, producers, and/or actors, examining their work in artistic, social, and historical terms. The course content and emphasis changes each term.

**FILM STUDIES 10, Film Criticism and Interpretation** 3 units

Transfer: CSU
- *Prerequisite: Film Studies 1, 2, 4, 5, 7 or 8.*
- *Skills Advisory: Eligibility for English 1.*

Using in-depth studies of a limited number of films and writings about films, this discussion and workshop course explores the various approaches to developing sound criticism and interpretation of motion pictures. It also introduces the student to the basic theories of film art and criticism.

**FILM STUDIES 11, Literature into Film** 3 units

Transfer: UC (pending), CSU
IGETC Area 3B (pending)
- *Prerequisite: English 1.*

In this course students will explore literary classics on screen, comparing the narrative dynamics of cinema and literature by comparing the text with the film. In so doing students will gain an understanding of the text to film adaptation process, the expressive powers of each, and each medium’s unique potentialities and deficiencies. Selected novels, short stories, plays, and nonfiction works will be examined as each evolves into film.
Film Studies 11 is the same course as English 11. Students may earn credit for one but not both.

**FILM STUDIES 20, Beginning Scriptwriting** 3 units
Transfer: UC, CSU
- Prerequisite: English 1.
Formerly Cinema 11A.
This course is designed to teach the student the basic tools of scriptwriting for film, television, or theater, focusing on the aesthetic and commercial demands of each medium.

**FILM STUDIES 21, Advanced Scriptwriting** 3 units
Transfer: CSU
- Prerequisite: Film Studies 20.
Formerly Cinema 11B.
This course is designed to provide intermediate level training in skills required to create scripts for film, television, or theater. Techniques of writing and marketing scripts are explored.

**FILM STUDIES 30, Production Planning for Film and Video** 3 units
Transfer: CSU
- Advisory: Film Studies 20.
Formerly Cinema 3, Production Planning for Film and Video
This course is designed for students who are interested in transforming a creative concept into a practical production plan. By viewing, discussing, and analyzing scripts, television, and film, students will learn skills necessary to start production of a film or video.

**FILM STUDIES 31, Introduction to Digital Filmmaking** 3 units
Transfer: UC (pending), CSU
Prerequisites: None.
This is an introductory, hands-on course covering the basic techniques of digital filmmaking. Topics will include the theory and practice of visualization, camera technique, lighting, sound recording, directing, and other fundamentals of producing a short film in the digital video medium. Students will engage in various filming exercises, as well as in group and individual projects.

**Foreign Languages**
SMC offers courses in Chinese (Mandarin), French, German, Hebrew, Italian, Japanese, Korean, Persian (Farsi), Russian, and Spanish. Classes are listed under name of specific language.

**French**
Additional hours to be arranged in the Modern Language Lab for French 1 and 2.

**FRENCH 1, Elementary French I** 5 units
Transfer: UC, CSU
IGETC Foreign Language (required for UC only)
- Prerequisite: None.
This course introduces the students to basic vocabulary and fundamental sentence structures in the present and past.

Pronunciation, grammar, and everyday vocabulary are stressed as indispensable tools for comprehension and expression. French customs, culture, and everyday life are also highlighted.

**FRENCH 2, Elementary French II** 5 units
Transfer: UC, CSU
IGETC Foreign Language (required for UC only)
- Prerequisite: French 1*.
This course completes the basics of the language and includes simplified readings highlighting French customs, culture, and everyday life.
*The prerequisite for this course is comparable to two years of high school French.

**FRENCH 3, Intermediate French I** 5 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- Prerequisite: French 2*.
This course completes the basics of the language and includes simplified readings highlighting French customs, culture, and everyday life.
*The prerequisite for this course is comparable to two years of high school French.

**FRENCH 4, Intermediate French II** 5 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- Prerequisite: French 3*.
This course continues the review of functional French grammar with emphasis upon idiomatic construction and expressions. Oral discussion and conversation are based on selected readings from contemporary French literature.
*The prerequisite for this course is comparable to four years of high school French.

**FRENCH 8, Conversational French (2,2)** 2 units
Transfer: UC, CSU
- Prerequisite: French 2.
This course provides an opportunity to acquire intermediate fluency in spoken French with emphasis on natural, colloquial usage.

**FRENCH 31A, Practical French (3,3)** 3 units
Transfer: CSU
- Prerequisite: None.
This course is designed to develop effective communication skills. It emphasizes the use of set-up phrases, idiomatic expressions, correct pronunciation and intonation, development of useful vocabulary, and ability to communicate without hesitation in a given situation. This course does not fulfill the language requirement.

**FRENCH 31S, Practical French** 1 unit
Transfer: CSU
- Prerequisite: None.
This course is designed to develop effective communication skills. It emphasizes the use of set-up phrases, idiomatic expressions, correct pronunciation and intonation, development of useful vocabulary, and ability to communicate without hesitation in a given situation. This course does not fulfill the language requirement.
Geographic Information Systems

GIS 19, Geographic Information Systems for Business 3 units
Transfer: CSU
• Prerequisite: None.
A working knowledge of Windows and the Internet or concurrent enrollment in GIS 20 is recommended.

This introductory course focuses on understanding and utilizing Geographic Information Systems (GIS) solutions in business and is not a substitute for the basic GIS course. Students will apply the use of ArcView GIS to identify and display retail markets, evaluate the suitability of sites for establishing or relocating a business or to expand sales territories.
GIS is the same course as CIS 19 and Geography 19. Students may receive credit for only one.

GIS 20, Introduction to Geographic Information Systems 3 units
Transfer: UC, CSU
• Prerequisite: None.
This course is an introduction to the concepts and applications of Geographic Information Systems (GIS). Students will be introduced to cartographic principles as well as the history, uses, requirements, and basic operations of GIS. Knowledge of Windows OD is recommended.
GIS is the same course as Geography 20. Students may receive credit for one, but not both.

GIS 21, Geographic information Systems for Law Enforcement 3 units
Transfer: CSU
• Prerequisite: None.
This introductory course will focus on understanding and utilizing GIS for law enforcement. Students will utilize Arc View GIS software in a hands-on computer setting to identify and display crime data, evaluate Part I and II crime activity, gang activity, etc., on maps. Emphasis will be on GPS locations of crime incidents, clustering of thefts, burglaries, rapes, bank robberies, and plot victim location and demographic characteristics. Students will track and evaluate patrol assignments and fleet unit routing to create more effective utilization patterns. US Census, DOJ CRS and local governmental data shall be utilized in creating crime maps.
GIS 21 is the same course as GIS 19 and Geography 19. Students may receive credit for only one course.

GIS 22, GIS in Disaster Management 3 units
Transfer: CSU
• Prerequisite: None.
This course focuses on understanding and utilizing Geographic Information Systems (GIS) in Disaster Management. Students will use Arc View and other mapping information systems to mitigate, plan and respond to weather storm related conditions such as earthquakes, toxic and chemical air releases, and other hazards. This course is designed to enable students to identify areas that might be affected by natural and manmade disasters.
GIS 22 is the same course as EM 22. Students may receive credit for one, but not both.

GIS 23, Intermediate Geographic Information Systems 3 units
Transfer: CSU
• Prerequisite: Geography 20 or GIS 20.
This course exposes students to a variety of functions of a Geographic Information System (GIS) using ArcView’s vector-based software. Students are guided through the GIS software using vector data in hands-on laboratory exercises, including assigned classroom exercises and individual projects. The course guides students through the basic functions of ArcView to more advanced functions, including analysis. Throughout the semester, a variety of other commercial software products are introduced in the laboratory segment of the course. Students perform spatial analysis and present findings in written, oral, and cartographic form.
GIS 23 is the same course as Geography 23. Students may receive credit for one, but not both.

Geography

All Geography classes include environmental and/or urban studies material in the course content.

GEOG 1, Introduction to Natural Environment 3 units
Transfer: UC, CSU
IGETC AREA 5 (Physical Sciences, non-lab)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
This course is a survey of the distribution and functional relationships of the elements of the terrestrial environment, including weather, climate, landforms, soils, natural vegetation, wildlife, and hydrography. The effects of the sun and moon on environmental processes are considered. *Maximum credit allowed for Geography 1 and 5 is one course (four units).

GEOG 2, Introduction to Human Geography 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
This course is a study of humanity and its planetary home of distinctive places, spaces, landscapes, and environments. The course systemically considers geographic patterns, processes, and issues that are of both local and global significance. Specific topics include human population change and migrations; agricultural and urban-economic development; cultural and environmental change in an age of globalization with specific attention paid to language, religion, ethnic identity, and biodiversity; and international geopolitics.
GEOG 3, Weather and Climate  
3 units
Transfer: UC, CSU
IGETC AREA 5 (Physical Sciences, non-lab)
• Prerequisite: None.

This course is an introduction to the concepts and principles of atmospheric processes. It includes an analysis of weather, climate, and severe storms. Students will learn to use modern geographic techniques to identify and solve urban problems. Geography 3 is the same course as Environmental Studies 3.

GEOG 5, Physical Geography with Lab  
4 units
Transfer: UC, CSU
IGETC AREA 5 (Physical Sciences, + LAB)
• Prerequisite: None.

This course surveys the distribution and relationships of environmental elements including weather, climate, landforms, soils, natural vegetation, wildlife, and hydrography. It covers the effect of the sun and moon on environmental processes. Students may receive credit for either Geography 5 or 1 but not both. *Maximum credit allowed for Geography 1 and 5 is one course (four units).

GEOG 7, Introduction to Environmental Studies  
3 units
Transfer: UC, CSU
IGETC AREA 4 (Social and Behavioral Sciences)
• Prerequisite: None.

This introductory course will use an interdisciplinary approach to provide students with a broad perspective on environmental problems and solutions. Students will be introduced to the strategies used by scientists, economists, political analysts, and other writers and researchers to investigate and analyze environmental and urban issues, human/nature relationships, natural and built environments, and environmental citizenship. Geography 7 is the same course as Environmental Studies 7. Students may earn credit for one, but not both.

GEOG 8, Introduction to Urban Studies  
3 units
Transfer: UC, CSU
IGETC AREA 4 (Social and Behavioral Sciences)
• Prerequisite: None.

The course includes analyses of processes, spatial patterns, and problems related to intercity and intracity development and function. Consideration will be given to selected environmental factors, diverse human cultures, and economic forces that influence urban development. It includes an introduction to the use of maps and modern geographic techniques (such as geographic information systems) to identify and solve urban problems. Student participation in field exercises will be stressed taking advantage of the Los Angeles metropolitan area as a "laboratory" to relate urban theory to fact. Geography 8 is the same course as Urban Studies 8. Students may earn credit for one, but not both.

GEOG 10, Living in a Hazardous Environment  
3 units
Transfer: CSU
• Prerequisite: None.

This course is a study of hazards and their effect on humans and the natural environment. It includes an analysis of volcanoes, earthquakes, floods, droughts, hurricanes, tornadoes, catastrophic mass wasting, fires, and the effects of terrorism. This course focuses on appropriate responses from law enforcement personnel, fire technicians, and public sector managers. Geography 10 is the same course as Emergency Management 10. Students may earn credit for one, but not both.

GEOG 11, World Geography  
3 units
Transfer: UC, CSU
IGETC AREA 4E (Social & Behavioral Sciences)
• Prerequisite: None.

This course surveys the world's peoples and places from a regional-historical perspective. Students will be introduced to major concepts in Geography today, while also developing basic geographic literacy in the distribution of cultural groups and their environments. Student will examine and discuss significant issues—cultural, economic, political, and environmental—facing humanity today. In particular, this course will consider the many diverse localized impacts of globalization and global changes.

GEOG 14, Geography of California  
3 units
Transfer: UC, CSU
IGETC AREA 4 (Social and Behavioral Sciences)
• Prerequisite: None.

This course satisfies Santa Monica College's American Cultures requirement.

This course surveys the physical and human geography of California and the process shaping its landscapes. Topics include natural features and resources, such as geology, climate, plants, and hydrology. Historical and current trends in human population, migration, and settlement patterns are considered, including a review of the state's major cultural groups. Primary and advanced economic activities are examined within modern rural and urban settings. Emphasis is on the profound connections between these topics, on California's unequaled diversity, and the rapid change that is transforming our people and its landscapes.

GEOG 19, Geographic Information Systems for Business  
3 units
Transfer: CSU

A working knowledge of Windows and the Internet or concurrent enrollment in GIS is recommended.

This introductory course focuses on understanding and utilizing Geographic Information (GIS) solutions in business and is not a substitute for the basic GIS course. Students will apply the use of ArcView GIS to identify and display retail markets, evaluate the suitability of sites for establishing or relocating a business or to expand sales territories. Geography 19 is the same course as CIS 19 and GIS 19. Students may receive credit for one.

GEOG 20, Introduction to Geographic Information Systems  
3 units
Transfer: UC, CSU
• Prerequisite: None.

This course is an introduction to the concepts and principles of Geographic Information Systems (GIS). Students will be
introduced to cartographic principles, as well as the history, use, requirements, and basic operations of GIS. Using ArcView’s vector-based software, students will learn a variety of basic GIS functions through classroom exercises, individual and group projects. Students will carry out spatial analysis using vector data and present their findings in oral, written, and cartographic form.

Geography 20 is the same course as GIS 20 and CIS 20. Students may earn credit for one course only.

**GEOG 23, Intermediate Geographic Information Systems** 3 units
Transfer: CSU
- **Prerequisite:** Geography 20.

This course exposes students to a variety of functions of a Geographic Information System (GIS) using ArcView’s vector-based software. Students are guided through the GIS software using vector data in hands-on laboratory exercises, including assigned classroom exercises and individual projects. The course guides students through the basic functions of ArcView to more advanced functions, including analysis. Throughout the semester, a variety of other commercial software products are introduced in the laboratory segment of the course. Students perform spatial analysis and present findings in written, oral, and cartographic form.

Geography 23 is the same course as GIS 23 and CIS 23. Students may receive credit for one, but not both.

**GEOG 35F, Field Study: California** 1 unit
Transfer: CSU
- **Prerequisite:** None.

This course combines classroom and laboratory studies with actual field studies in geography. Field experiences are designed to apply basic geographic concepts and techniques in the study of diverse landscapes and the processes shaping them. Students will attend two 3-hour lecture classes and are required to attend two planned weekend field trips that include California coastal, mountain, and desert locations.

**GEOG 35S, Geography Field Studies** 1 unit
Transfer: CSU
- **Prerequisite:** None.

This course combines classroom and laboratory studies with actual field studies in geography. Field experiences are designed to apply basic geographic concepts and techniques in the study of diverse landscapes and the processes shaping them.

**Geology**

**GEOL 1, Introduction to Physical Geology – Non-Lab** 3 units
Transfer: UC, CSU
IGETC AREA 5 (Physical Sciences, non-lab)
- **Prerequisite:** None.

Maximum credit allowed for Geology 1 and 4 is one course (4 units).

This course illustrates the many geologic processes that have shaped our planet. Lecture topics include minerals, landslides, streams, ground water, glaciers, oceans, earthquakes, and plate tectonics. Upon completion of this course, the student will have a greater awareness and understanding of their constantly changing environment.

**GEOL 4, Physical Geology with Lab** 4 units
Transfer: UC, CSU
IGETC AREA 5 (Physical Sciences, + lab)
- **Prerequisite:** None.

This course presents, in a lecture and laboratory setting, the exciting geologic processes that have shaped the earth. Lecture topics are the same as those covered in Geology 1. Laboratory exercises expand this information by dealing with rock and mineral identification, topographic and geologic map interpretation, and aerial photos. Completion of this course provides the student with a good understanding and awareness of the planet Earth. *Maximum credit allowed for Geology 1 and 4 is one course (four units).

**GEOL 5, Earth History** 4 units
Transfer: UC, CSU
IGETC AREA 5 (Physical Sciences + lab)
- **Prerequisite:** None.

This course is an introduction to the history of the Earth and life forms, with particular emphasis on North America. Sedimentary rocks are studied for structure, stratigraphic sequences, and fossils that give clues to the geographical evolution of the continent and life through geologic time. Methods of dating rocks and interpretation of structural features are used to determine the sequence of events in the development of the Earth’s major features.

**GEOL 31, Introduction to Physical Oceanography** 3 units
Transfer: UC, CSU
IGETC AREA 5 (Physical Sciences, non-lab)
- **Prerequisite:** None.

This course provides the student with an understanding of the physical and geological aspects of oceanography. Lecture topics include the origin of the oceans, plate tectonics, sea floor topography, waves, beaches, estuaries, lagoons, and lakes. Completion of this course will give the student a greater knowledge of the fascinating and dynamic world of the oceans.

**GEOL 35, Field Studies: California** 1-3 units
Transfer: CSU
- **Prerequisite:** None.

This course combines classroom and field studies of California geology. Lectures are designed to prepare the student for the examination of geologic features in the field setting. Field experience is intended to provide students with first hand observations and an understanding of earth processes and their products. Students will learn to take notes and make diagrams in the field to be used in the preparation of a written report. Students will attend three 3-hour lecture classes and are required to attend an overnight field trip to a location of geological interest in California.

**German**

Additional hours to be arranged in the Modern Language Lab for German 1 and 2.
**GERMAN 1, Elementary German I**  5 units  
Transfer: UC, CSU  
IGETC Foreign Language (required for UC only)  
- **Prerequisite:** None.  
  
This communicative approach to language is designed to give students the ability to understand, speak, read and write simple German. Primary goals are to introduce beginning students to basic structures of the German language by developing vocabulary and a command of idiomatic expressions; to familiarize students with sentence structure through written exercises and short compositions; to give students a basic foundation in German history and culture; and to interest students in traveling to German-speaking countries.

**GERMAN 2, Elementary German II**  5 units  
Transfer: UC, CSU  
IGETC Foreign Language (required for UC only)  
- **Prerequisite:** German 1*.  
  
This course is a continuation of German 1 with additional stress on conversation, reading, and essential grammatical elements. Aspects of German culture and history are covered as well.  
*The prerequisite for this course is comparable to two years of high school German.

**GERMAN 3, Intermediate German I**  5 units  
Transfer: UC, CSU  
IGETC AREA 3B (Humanities)  
- **Prerequisite:** German 2*.  
  
This course reviews German grammar, emphasizing idiomatic construction and expressions. Discussions and interpretations are based on selected readings from contemporary German literature.  
*The prerequisite for this course is comparable to three years of high school German.

**GERMAN 4, Intermediate German II**  5 units  
Transfer: UC, CSU  
IGETC AREA 3B (Humanities)  
- **Prerequisite:** German 3*.  
  
This course stresses finer grammatical points, idioms, and vocabulary used every day. The course is highlighted by intensive and extensive reading, discussion and interpretations of more advanced German works on literature, philosophy, and culture.  
*The prerequisite for this course is comparable to four years of high school German.

**GERMAN 8, Conversational German (2,2)**  2 units  
Transfer: UC, CSU  
- **Prerequisite:** German 2.  
  
This course provides an opportunity to acquire intermediate fluency in spoken German with emphasis on natural, colloquial usage.

**GERMAN 31A, Practical German (3,3)**  3 units  
Transfer: CSU  
- **Prerequisite:** None.  
  
This class is designed for the student with no previous knowledge of German. It develops basic conversation skills in the present tense, emphasizing the use of set-up phrases, idiomatic expressions, correct pronunciation, development of useful vocabulary, and the ability to communicate at a practical and basic level.

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**Graphic Design**

**GR DES 18, Introduction to Graphic Design Applications**  3 units  
Transfer: CSU  
- **Prerequisite:** None.  
  
This computer course provides an overview of digital applications used in the field of Graphic Design: Photoshop, Illustrator and InDesign. Also covered: Operation Systems, file management and computer navigation basics.

**GR DES 21, Electronic PrePress and Publishing**  3 units  
Transfer: CSU  
- **Prerequisite:** None.  
  
This course provides an introduction to electronic publishing, printing, and the history of printing and other areas of graphic communications. It includes orientation to the computer, typesetting, electronic page layout software, camera work, basic stripping, platemaking, proofing, presswork, quality control techniques, and post-press operations. Students will learn to operate Macintosh computers and various models of printing presses to reproduce various types of camera-ready artwork.

**GR DES 31, Graphic Design Studio 1 (2,2)**  2 units  
Transfer: CSU  
- **Prerequisite:** None.  
  
This studio course introduces the graphic design process including concept, visualization, documentation, and professional presentation. With an emphasis on visual communication strategies, students will explore the fundamental text and image interaction and develop various types of graphic identity designs including symbolic, pictorial, or typographic. This is the first in a sequence of three courses.

**GR DES 32, Marker Techniques**  2 units  
Transfer: CSU  
- **Prerequisite:** None.  
  
This course covers the use of markers and felt pens in the advertising and rendering professions. Through lectures and projects, this course focuses on various marker sketch techniques including color application, texture, form, and shadow.

**GR DES 33, Typography Design 1**  2 units  
Transfer: CSU  
- **Prerequisite:** Graphic Design 18.  
  
This studio course introduces classical typography—tradition, terminology, specification, and production. With an emphasis on legibility and craftsmanship, students will develop rectilinear typographic compositions while learning type indication, comping, and professional presentation techniques. This is the first in a sequence of two courses.
GR DES 34, Publication and Page Design I 3 units
Transfer: CSU

• Prerequisite: None.

This computer course introduces students to Adobe InDesign, a page layout computer application. Students will learn to incorporate type and imagery into creative projects, such as brochures, print publications and posters.

GR DES 35, Drawing for Graphic Design 2 units
Transfer: CSU

• Prerequisite: None.

This studio course is an introduction to quick sketching techniques for graphic design students. Students will develop and practice techniques employed by working graphic artists to quickly create drawings for concept, layout development and communication to clients, photographers, illustrators and associates, utilizing a variety of media, including pen, pencil, and markers.

GR DES 38, Digital Illustration 1 4 units
Transfer: CSU

Advisory: Graphic Design 35.

This course is designed for students interested in the computer as a beginning illustration tool. The course covers how to use a digital computer drawing application. Students will create, draw, layer, and edit shapes and objects on the computer.

GR DES 41, Graphic Design Studio 2 2 units
Transfer: CSU

• Prerequisite: Graphic Design 31.

This studio course introduces the application of graphic identity designs to corporate identity programs, retail identity systems, and other uses, primarily in 2D. With an emphasis on visual problem-solving strategies, students will generate design criteria research, analysis, design implications, and design system development. This is the second in a sequence of three courses.

GR DES 43, Typography Design 2 2 units
Transfer: CSU

• Prerequisite: Graphic Design 33.

Advisory: Graphic Design 31 and 34.

This studio design course provides a survey of typography history and current design directions to inspire the development of dynamic, contemporary typographic compositions. With an emphasis on visual communication strategies, students will explore the metaphoric and stylistic refinement of text - the fundamental element of graphic design style. This is the second in a sequence of two courses.

GR DES 44, Publication and Page Design 2 3 units
Transfer: CSU

• Prerequisite: Graphic Design 34.

A continuation of Graphic Design 34, this lecture-lab course stresses the use of Adobe InDesign to develop professional solutions to page layout design problems.

GR DES 50, Graphic Design Portfolio Preparation 2 units
Transfer: CSU

• Prerequisite: Graphic Design 34.

This studio course focuses upon the development of an effective graphic design portfolio-refining existing work and also defining and executing additional portfolio projects to meet a student's need for transfer application or employment in the field.

GR DES 51, Graphic Design Studio 3 2 units
Transfer: CSU

• Prerequisite: Graphic Design 41.

This studio course introduces the development of multi-faceted promotional design programs with applications in 2-D and 3-D. With an emphasis on unifying concepts, students will create comprehensive design programs which may include print, packaging, advertising, media, and environments. This is the third in a sequence of three courses.

GR DES 54, Digital Illustration 2 3 units
Transfer: CSU

• Prerequisite: Graphic Design 38.

Advisory: Graphic Design 35.

Created for students interested in the computer as an illustration tool, this extension of Graphic Design 34 begins with simple black and white drawings and progresses to advanced techniques for more involved, multi-layered color illustrations. This class is taught with Macintosh computers.

GR DES 64, Digital Imaging for Design 3 units
Transfer: CSU

• Prerequisite: None.

Using Adobe Photoshop, this computer class teaches students how to scan, manipulate, and enhance digital images for graphic reproduction and use on the web. Includes retouching, color adjustment and color correction techniques. Graphic Design 64 is the same course as ET 37. Students may receive credit for one, but not both.

GR DES 71, Motion Graphics 3 units

• Prerequisite: Graphic Design 64.

This hands-on course focuses on bringing together the elements of photo, text, movies and sound to create a complete video project. Students will concentrate on the techniques, skills, and theory of video editing and how to apply those techniques to enhance, pace and set the mood for film or video projects. Included will be demonstrations of a variety of available editing equipment.

GR DES 88A, Independent Studies in Graphic Design 1 unit
Transfer: CSU

Please see "Independent Studies" section.

GR DES 90A, Internship 1 unit
Transfer: CSU

• Prerequisite: None.

Students must arrange an approved internship prior to enrolling in the class.
The Internship Program is designed to provide the students with "real life" experience in a graphic design environment. Students will work with a local firm to apply graphic design principles.

GR DES 90B, Internship 2 units
Transfer: CSU
Prerequisite: None.
Students must arrange an approved internship prior to enrolling in the class.

The Internship Program is designed to provide the students with "real life" experience in a graphic design environment. Students will work with a local firm to apply graphic arts principles.

GR DES 90C, Internship 3 units
Transfer: CSU
Prerequisite: None.
Students must arrange an approved internship prior to enrolling in the class.

The Internship Program is designed to provide the student with "real life" experience in a graphic design environment. Students will work with a local firm to apply graphic arts principles.

Health Education

See Kinesiology Physical Education Professional Course 12 for training in first aid.

HEALTH 10, Fundamentals of Healthful Living 3 units
Transfer: UC, CSU
Prerequisite: None.
This course is designed to develop proper attitudes toward healthful living. Topics include developmental tasks of young adults; mental health and stress; cause and prevention of diseases; effects of alcohol, tobacco and drugs; sexuality and fertility management; aging; and environmental and health management issues.

Health Occupations

For Inhalation Therapy see Respiratory Therapy. RN Nurses who take Continuing Education courses at SMC use BRN provider #01050.

HEALTH 61, Medical Terminology 3 units
Transfer: CSU
Prerequisite: None.
This course is designed to build the student’s medical and professional vocabulary as required for a career in the medical field or allied health sciences. Students undertake a comprehensive study of medical terminology with an emphasis on determining meanings by dividing words into their component parts. An overview of anatomy by each body system, including diagnostic, pathologic, therapeutic, surgical and pharmacologic terminology is completed. Common clinical procedures, laboratory tests and abbreviations are also included.

Hebrew

Additional hours to be arranged in the Modern Language Lab for Hebrew 1 and 2.

HEBREW 1, Elementary Hebrew I 5 units
Transfer: UC, CSU
IGETC Foreign Language (required for UC only)
Prerequisite: None.
The course teaches the primary fundamentals of classical and modern Hebrew. Grammar and pronunciation as well as reading and writing skills are developed. The approach is modified audio-lingual utilizing both spoken and written Hebrew. Examples are taken from both traditional sources and modern Israeli culture and customs.

HEBREW 2, Elementary Hebrew II 5 units
Transfer: UC, CSU
IGETC Foreign Language (required for UC only)
Prerequisite: Hebrew 1*.
This course completes instruction in the essential fundamentals of the Hebrew language. Reading, writing, pronunciation, and advanced grammar are taught. Examples are taken from both traditional sources and modern Israeli culture and customs.
*The prerequisite for this course is comparable to two years of high school Hebrew.

HEBREW 8, Conversational Hebrew (2,2) 2 units
Transfer: UC, CSU
Prerequisite: Hebrew 2.
This conversation course provides an opportunity for the student to acquire intermediate fluency in spoken Hebrew with emphasis on natural, colloquial usage.

History

HIST 1, History of Western Civilization I 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
Prerequisite: None.
Skills Advisory: Eligibility for English 1.
This course covers the development of Western civilization from its beginning in the valleys of the Nile, Tigris, and Euphrates through the Reformation. This course will acquaint students with the cultures of the Near East, Greece, and Rome; the medieval period; the Renaissance; and the Reformation. *Maximum credit allowed for History 1, 2 and 35, 36 is one series (two courses).

HIST 2, History of Western Civilization II 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
Prerequisite: None.
Skills Advisory: Eligibility for English 1.
This course is a study of Western civilization from the time
of Louis XIV to the present including new philosophical concepts, literature, art forms, and social and economic development as well as political evolution. *Maximum credit allowed for History 1, 2 and 35, 36 is one series (two courses).

**HIST 3, History of British Civilization I** 3 units

Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course covers the growth of British civilization from Roman times to the Restoration of 1660. The course includes the significant political, economic, social, religious, and intellectual facets of British culture during this period and places them within a larger context of Western Civilization.

**HIST 4, History of British Civilization II** 3 units

Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course covers a history of Britain from the Restoration of 1660 to the Second World War. The course includes the major political, economic, social, religious, and intellectual facets of British civilization during this period and studies the connection between Britain and the Continent and the tie between Britain and its colonial empire.

**HIST 5, History of Latin America I** 3 units

Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This is a lecture and discussion course on Early Latin American history. The course covers Latin America from its indigenous past to independence. Focus is placed on political, social, cultural and economic developments.

**HIST 6, History of Latin America II** 3 units

Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This is a lecture and discussion course on the historical development of Latin America from Independence to the present. Focus is placed on political, social, cultural, and intellectual developments. A study of Central America and the Caribbean is included.

**HIST 10, Ethnicity and American Culture** 3 units

Transfer: UC (meets UC Berkeley American Cultures graduation requirement), CSU
IGETC AREA 3B (Humanities)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course satisfies Santa Monica College's American Cultures requirement.

This course provides a survey of ethnic groups in America from precontact to the present, including Native Americans, European Americans, African Americans, Asian Americans, and Latinos, emphasizing the forces prompting emigration and immigration, their roles in shaping American society and culture, their reception by and adaptation to American society, as well as an examination of contending theoretical models of the immigrant experience in America.

**HIST 11, History of the United States through Reconstruction** 3 units

Transfer: UC, CSU
IGETC AREA 3B (Humanities)
+ satisfies CSU U.S. History graduation requirement
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

A survey of the United States from the colonial period to post-Civil War Reconstruction, this course addresses developments in American culture; ethnic, racial, gender, and class relations; politics and the economy. It also considers American interaction with other nations, including both foreign policy and the relationship of domestic developments to the larger history of the modern world.

**HIST 12, United States History Since Reconstruction** 3 units

Transfer: UC, CSU
IGETC AREA 3B (Humanities)
+ satisfies CSU U.S. History graduation requirement
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This is a lecture and discussion course which examines and analyzes the development of the U.S. from 1945 to the present. Attention is given to the political, social, intellectual, cultural, and economic changes in American society. Such topics as the welfare state, McCarthyism, presidential power, foreign policy, consumerism and affluency, intellectuals and society, The New Frontier, the Great Society, Radicalism and popular culture, Vietnam, Watergate, and Reaganism are discussed.

**HIST 13, History of the U.S. after 1945** 3 units

Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This is a lecture and discussion course which examines and analyzes the development of the U.S. from 1945 to the present. Attention is given to the political, social, intellectual, cultural, and economic changes in American society. Such topics as the welfare state, McCarthyism, presidential power, foreign policy, consumerism and affluency, intellectuals and society, The New Frontier, the Great Society, Radicalism and popular culture, Vietnam, Watergate, and Reaganism are discussed.

**HIST 15, Economic History of the U.S.** 3 units

Transfer: UC, CSU
IGETC AREA 3B (Humanities)
+ satisfies CSU U.S. History graduation requirement
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course is a chronological study of American economic history by major areas, including agriculture, industrial development, money, banking, and transportation. The roles of business, labor, and government are given a particular emphasis. History 15 is the same course as Economics 15. Students may earn credit for one, but not both.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 16</td>
<td>African American History</td>
<td>3</td>
</tr>
<tr>
<td>Transfer: UC, CSU</td>
<td>IGETC AREA 3B (Humanities)</td>
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<td></td>
<td><strong>Prerequisite:</strong> None.</td>
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<td><strong>Skills Advisory:</strong> Eligibility for English 1.</td>
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</tbody>
</table>

This course is an introduction to the political, social, economic, and cultural history of East Asia up to the year 1600.

| HIST 25     | History of East Asia since 1600                  | 3     |
| Transfer: UC, CSU | IGETC AREA 3B (Humanities)   |       |
|             | **Prerequisite:** None.                         |       |
|             | **Skills Advisory:** Eligibility for English 1. |       |

This course is an introduction to the political, social, economic, and cultural history of East Asia since the year 1600.

| HIST 26     | South Asian Civilization                        | 3     |
| Transfer: UC*, CSU | IGETC AREA 3B (Humanities)   |       |
|             | **Prerequisite:** None.                         |       |
|             | **Skills Advisory:** Eligibility for English 1. |       |

A survey of South Asia civilizations from the Indus Valley civilization through the Mughal Empire, this course will highlight the major events and themes in the development of South Asian civilization, offering an overview of the various social, intellectual, cultural, political, and economic patterns in the region that encompasses present-day India, Pakistan, Bangladesh, and Sri Lanka.

| HIST 29     | Jewish History                                   | 3     |
| Transfer: UC, CSU | IGETC AREA 3B (Humanities)   |       |
|             | **Prerequisite:** None.                         |       |
|             | **Skills Advisory:** Eligibility for English 1. |       |

This course is an introductory survey of the Jewish people and history from biblical times to the present. Focus is on the development of major institutions, ideas, religious and cultural movements, as well as the interaction between Jews and those amongst whom they have lived.

| HIST 30     | History and Literature of Contemporary Africa    | 3     |
| Transfer: CSU          |                                                   |       |
|             | **Prerequisite:** None.                         |       |

This course analyzes the interpersonal and cultural tensions of 20th Century Africa as expressed in its literature and history. It explores the universality of this literature while at the same time recognizing its sources in the conflicts of modern history and society.

| HIST 33     | World Civilization I                            | 3     |
| Transfer: UC, CSU | IGETC AREA 3B (Humanities)   |       |
|             | **Prerequisite:** None.                         |       |
|             | **Skills Advisory:** Eligibility for English 1. |       |

This course provides a survey of world civilizations from the rise of humanity to 1500. The course will highlight major developments in the rise of humanity from early primitive conditions to the establishment of complex cultures. This activity will be explored through an examination of the impact human cultures have had on use of land, and the domestication of plants and animals in the various regions of the world. The major civilizations of Asia, Africa, Europe, and the Americas will
be examined in terms of their material culture as well as religious and philosophic ideas. A thematic approach will be used to contrast the bureaucratic, economic, technological, and political development to explain the rise and fall of the major centers of civilizations.

**HIST 34, World Civilizations II** 3 units

Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- **Prerequisite:** None.
- **Skills Advisory:** Eligibility for English 1.

A survey of world civilization from 1500 to the present. This course will highlight major developments in human activity and endeavors, regionally, chronologically, and thematically. It will offer an overview of the social, intellectual, cultural, political, and economic patterns within which humans interact in a global framework.

**HIST 38, African History I** 3 units

Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- **Prerequisite:** None.
- **Skills Advisory:** Eligibility for English 1.

This course covers the political, economic, social, religious, and intellectual activities of African civilization. It traces the influence of Africa and its peoples on the Caribbean area and Brazil. Forms of government, mores and folkways are considered.

**HIST 39, African History II** 3 units

Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- **Prerequisite:** None.
- **Skills Advisory:** Eligibility for English 1.

This course is a survey of the people, politics, and history of Africa from 1900 to the present. Topics include European exploration, Christian and Islamic missionary activity, and colonial exploitation of people, land, and resources. African resistance, ethnic tensions, liberation movements, and state-building during the Cold War era will be examined as a response to that past.

**HIST 41, Native American History** 3 units

Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- **Prerequisite:** None.
- **Skills Advisory:** Eligibility for English 1.

This course is a survey of American Indian history from earliest settlement on the American continents to the present. The course covers the distinct cultures, historical developments, and interactions between Native American societies prior to the European invasion, the European arrivals, colonial settlement, westward movement, the late 19th Century wars, and the 20th Century concerns. Particular emphasis will be placed on the ability of Native Americans and their culture to survive and contribute to U.S. history and culture.

**HIST 42, The Latina(o) Experience in the United States** 3 units

Transfer: UC, CSU
IGETC AREA 4C (Social and Behavioral Sciences)
- **Prerequisite:** None.

This course will provide a broad survey of the major Latino(a) groups in the United States, beginning with an examination of the politics of representation and knowledge, including the exclusion of the Latino(a) experience from “conventional” sources. An historical and demographic profile of the major Latino(a) groups (Chicanos(as), Puerto Rican Americans, Cuban Americans and peoples from Central America and the Caribbean region), the impact of the changing economy as a major force affecting this population, and an examination of the various strategies that Latino(as) pursue will be included.

**HIST 43, Mexican-American History** 3 units

Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- **Prerequisite:** None.
- **Skills Advisory:** Eligibility for English 1.

This course is a survey of the people, politics, and history of the United States from pre-European contact to the Civil War, focusing on the cultural and intellectual currents that contributed to and shaped the development of American society.

**HIST 45, U.S. Cultural History Honors Colloquium** 3 units

Transfer: UC, CSU
+ satisfies CSU U.S. History graduation requirement through Summer 2008
IGETC AREA 3B (Humanities)
- **Prerequisite:** None.
- **Skills Advisory:** Eligibility for English 1.

An introduction to 18th, 19th and 20th Century Southwest borderland history, this course covers the significant intellectual, cultural, social, political, and economic trends in Southwestern history with emphasis on the history of the Mexican-American.

**HIST 46, U.S. Cultural History Seminar** 3 units

Transfer: UC, CSU
IGETC AREA 3B (Humanities)
+ satisfies CSU U.S. History graduation requirement through Summer 2008
- **Prerequisite:** None.
- **Skills Advisory:** Eligibility for English 1.

This course covers the history of the area which became the United States from pre-European contact to the Civil War, focusing on the cultural and intellectual currents that contributed to and shaped the development of American society.

**HIST 47, The Practice of History** 3 units

Transfer: UC, CSU
- **Prerequisite:** None.
- **Advisory:** Eligibility for English 1.

This course presents students with an overview of historians’ methods of research, analysis, and writing. It also introduces historiography and historical theory. Students will apply historians’ methods of critical reasoning and argumentation through a variety of writings including directed research on a historical topic or their choice. This course’s research area will also further students’ information competency skills.
HIST 48, Nonviolent Resistance 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities) or 4 (Behavioral Sciences)
- Prerequisite: None.
- Advisory: Eligibility for English 1.

An examination of the causes of war and violence in world history and the various organized efforts to maintain peace and end wars. Nonviolent resistance movements will be emphasized.

History 48 is the same class as Philosophy 48. Students may earn credit for one but not for both.

HIST 50 A-Z, Topics in History 3 units
Transfer: CSU
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This series of courses deals with various contemporary topics in history, including the Vietnam War and contemporary issues in world history.

HIST 52, Women in American Culture 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course deals with the cultural history of women in the United States from the colonial period to the present. Emphasis will be placed on change and continuity in defining the image and role of women in American life.

HIST 53, History of Religion 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course is meant to provide an overview of the major themes and trends in the history of religion from prehistoric times to the present. The course will acquaint students with the historical developments and the essential principles of many religious traditions, expose them to some of the themes of interest regarding the roles that religions have played throughout history, and focus on the role of religion in the modern world. Case studies from a variety of religious traditions will be presented. Some of the religions considered will be Tribal Religions, Buddhism, Taoism, Confucianism, Shinto, Hinduism, Judaism, Christianity, Islam, as well as other contemporary religions.

HIST 55, History of Science 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities) or 4 (Social Sciences)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

Various paradigms of science will be introduced and examined, beginning with the theories of the ancient Greeks and ending with contemporary debates in the field of physics. The emphasis will be on the fields of astronomy, physics, and mathematics. The course will examine how these fields develop, their relationship with philosophy, politics, religion, and society, and how they changed historically.

HIST 62, Asian American History 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

A survey of Asian American history from the immigration period to the present, this course stresses the political, economic, social, and cultural factors which affected Asian Americans and their impact on U.S. history.

HIST 88A, Independent Studies in History 1 unit
Transfer: CSU
Please see "Independent Studies" section.

HIST 88B, Independent Studies in History 2 units
Transfer: CSU
Please see "Independent Studies" section.

HUM 26, Introduction to the Humanities 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- Advisory: English 1.

This introduction to the humanities considers great works of art through the ages (painting, sculpture, literature, music, architecture, dance). It is an examination of how, at widely separated points in time, artists and writers have viewed life and its significance.

Humanities 26 is the same course as English 26. Credit may be earned for one, but not both.

HUM 28S, Contemporary Life in China 2 units
Transfer: UC, CSU
- Prerequisite: None.

This course offers an introduction to the social, cultural, economic, and political patterns of life in today's People's Republic of China. Study tours to local centers of Chinese culture or to the People's Republic; plays; seminar discussions; readings; and other cultural opportunities will be utilized to understand contemporary China.

HUM 88A, Independent Studies in Humanities (1,1) 1 unit
Transfer: CSU
Please see "Independent Studies" section.

HUM 88B, Independent Studies in Humanities (1,1) 2 units
Transfer: CSU
Please see "Independent Studies" section.
Independent Studies

Independent study is intended for superior students interested in doing independent research on special study topics. To be eligible, a student must demonstrate to the department chairperson the competence to do independent study. To apply for Independent Studies, the student is required, in a petition that may be obtained from the department chair, to state objectives to be achieved, activities and procedures to accomplish the study project, and the means by which the supervising instructor may assess accomplishment. Please see department listing for details. A maximum of six units of independent studies is allowed. Granting of UC transfer credit for an Independent Studies course is contingent upon an evaluation of the course outline by a UC campus.

Interior Architectural Design

INTDSN 30, Fundamentals of Interior Architectural Design 3 units
Transfer: CSU
• Prerequisite: None.
This lecture course applies the elements and principles in planning total interior environments that meet individual, functional, legal, and environmental needs. Selection of all materials and products used in interior environments will be emphasized for both the functional and aesthetic quality.

INTDSN 31, Interior Architectural Design Studio I 3 units
Transfer: CSU
• Prerequisite: None.
This course applies concepts and theories of beginning interior architectural design. Emphasis is placed on the design process in developing solutions for design projects.

INTDSN 32, Beginning Drafting for Interior Architectural Design 3 units
Transfer: CSU
• Prerequisite: None.
This course is an introduction to basic drafting skills, including standard architectural symbols and conventions with emphasis on line quality and lettering. Students learn plans, elevations, sections, and details. Students produce a set of construction drawings of an interior space.

INTDSN 33, Interior Architectural Design Careers 3 units
Transfer: CSU
• Prerequisite: None.
This lecture course examines the Interior Architectural Design profession, industry, related occupations, and work sites. The course emphasizes personal, educational, and professional qualifications required for entry into the Interior Architectural Design profession.

INTDSN 34, Applied Color and Design Theory 3 units
Transfer: CSU
• Prerequisite: None.
This course practices basic color design theory and application. Students utilize tools, materials, and equipment to develop technical skills applicable to interior, architectural, and other related fields of design. Students identify cultural heritages and the psychological implications of design.

INTDSN 35, Computer-Aided Design and Drafting 3 units
Transfer: CSU
• Prerequisite: Interior Architectural Design 32.
This lecture and lab course introduces the basic skills, uses, and techniques for computer-aided design and drafting as applied to Interior Architectural Design.

INTDSN 36, Interior Architectural Design Materials and Products 3 units
Transfer: CSU
• Prerequisite: None.
This course analyzes, applies, and evaluates products and materials used in Interior Architectural Design. Topics include interior textiles, furnishings, and finish materials and products.

INTDSN 37, Set Design and Art Direction for Film and T.V. 3 units
Transfer: CSU
• Prerequisite: None.
This lecture course examines the motion picture industry as it relates to the art department of film and TV, specifically focusing on the job of the production designer, art director, set decorator, and set designer. The course emphasizes personal, educational, and professional qualifications required for entry into the motion picture industry as a professional production designer, art director, set decorator, and set designer.

INTDSN 38, Advanced Computer Aided Design and Drafting 3 units
Transfer: CSU
• Prerequisite: Interior Architectural Design 35.
This lecture and lab course teaches advanced skills in 2-D and 3-D computer-aided drafting for interior architectural design applications.

INTDSN 40, CAD Space Planning 3 units
Transfer: CSU
• Prerequisite: Interior Architectural Design 32.
This is an advanced studio course in professional design solutions to space planning problems. Topics include in-depth client analysis, necessary divisions and allocations of space, activity planning, traffic circulation, the relationship of scale and mass of furnishings to human factors, and the use of interior space. The course emphasizes detailed drawings of residential and contract spaces, class critiques, and the execution of final projects for portfolio presentation.
INTDSN 41, History of Interior Architecture and Furnishings I 3 units
Transfer: CSU
• Prerequisite: None.
This course is a comprehensive slide lecture study of furniture, decorative arts, and interior architecture from the major style periods of antiquity through the beginning of the 19th Century in France. Lectures concentrate on furniture styles, ornament, craftsmen, techniques, and the evolution of the interior. This class is directed toward careers in interior architectural design, furniture design and restoration, set design and art direction, historic preservation, and retail sales in residential and commercial design.

INTDSN 42, History of Interior Architecture and Furnishings II 3 units
Transfer: CSU
• Prerequisite: None.
This course is a comprehensive slide lecture study of furniture, decorative arts, and interior architecture from the English Renaissance and the American Pilgrim Period to the present. Lectures concentrate on furniture styles, ornament, craftsmen, techniques, and the evolution of the interior. This class is directed toward careers in interior architectural design, furniture design and restoration, set design and art direction, historic preservation, and retail sales in residential and commercial design.

INTDSN 43, Interior Illustration 3 units
Transfer: CSU
• Prerequisite: None.
This course is an introduction to 3-D drawing for interior architectural designers. The emphasis is on the simplified system of perspective drawing. The use of size and scale relationship to show depth and 3-D form in furniture and interiors will be studied.

INTDSN 44, Fundamentals of Lighting 3 units
Transfer: CSU
• Prerequisite: Interior Architectural Design 30 and 32.
This course studies architectural lighting as an integrated component of design for interiors. Lighting technology is explored with emphasis on the effect of light: intensity, direction, and color.

INTDSN 45, Interior Design Studio II: CAD Commercial Design 3 units
Transfer: CSU
• Prerequisite: Interior Architectural Design 34 and 40.
This lecture and lab course develops, analyzes, and applies design concepts to interior office environments. Universal design, "green" design, space planning, lighting systems, interior components, architectural elements, and specification writing are integrated into research projects emphasizing a problem-solving approach.

INTDSN 46, CAD Working Drawings 3 units
Transfer: CSU
• Prerequisite: Interior Architectural Design 32.
This advanced drafting course demonstrates methods and techniques used in the development of architectural construction documents for residential and commercial structures. Construction theory and practice from site selection to completion are included.

INTDSN 47, Business and Professional Practice 3 units
Transfer: CSU
• Prerequisite: Interior Architectural Design 33.
This course presents basic principles, procedures, and office systems necessary for the interior design professional. Lectures emphasize legal issues, project management, budgets, purchasing, billing, compensation, collection, and other business practices. The interaction of client, designer, supplier, and installer is also examined.

INTDSN 49, Trade Resources for Film and T.V. 3 units
Transfer: CSU
• Prerequisite: None.
This course is a first-hand presentation of local trade resources for the professional production designer for film and TV. Students go to a select number of local companies which supply various props and set dressing necessary for creating the physical design elements used in set design. Students will be shown how to select furniture, window treatments, accessories, and other props for set decoration. Students are shown the rental costs of these items and how to use them to create budgets for specific projects.

INTDSN 50, Codes and Specifications 3 units
Transfer: CSU
• Prerequisite: None.
This course explores federal regulations, building codes and standards, and specifications concerning life-safety issues, Americans with Disabilities Act, and universal design requirements relative to residential and contract design. Special attention is given to performance, health and safety, testing, and compliance for interior products and finish materials.

INTDSN 51, Rapid Visualization I 3 units
Transfer: CSU
• Prerequisite: Interior Architectural Design 43.
This basic studio course offers the fundamentals of quick sketching, problems, and techniques. The course includes an introduction to perspective and rendering practice with an emphasis on sketching of proposed interior installations, and requires the development of portfolio projects.

INTDSN 52, Interior Design Studio III: Production Design for Film and TV 3 units
Transfer: CSU
• Prerequisite: Interior Architectural Design 32 and 43.
This studio course features hands-on skills in set design for film and TV. The course specifically focuses on design analysis, development, design, and presentation. Students learn to research and develop an individual project from script to screen. Students produce set designs for both a TV commercial and a film.
INTDSN 57, Interior 3-D CAD Modeling  3 units
Transfer: CSU
  •  Prerequisite: Interior Architectural Design 53.
  
This course examines advanced 3-D modeling concepts including the application of 3-D CAD modeling to both technical and design problems. The class explores systems integration, coordination, and design concept presentation in an interior architecture production environment. Topics include 3-D coordinate systems, user coordinate systems, and an analysis of various techniques of representing 3-D objects through both traditional and electronic means. The course applies the use of 3-D objects, meshes, wire frames, surfaces, and solids to complex design topics. The class also illustrates basic rendering techniques including object lighting and texture mapping.

INTDSN 60, Contemporary Furniture  3 units
Transfer: CSU
  •  Prerequisite: None.
  
This course is a comprehensive slide and lecture study of 20th Century furniture and the decorative arts from the turn of the century 1900 styles through the most current international designs today. Emphasis is on furniture designers, styles, materials, ornament, and techniques. This course is directed toward careers in interior design, furniture design, set design, art direction, and wholesale and retail sales in residential and commercial design.

INTDSN 62, Model Building  3 units
Transfer: CSU
  •  Prerequisite: Interior Architectural Design 32.
  
This is a basic studio course in fundamentals of architectural interior model building. This course will introduce and develop the necessary skills of fabrication techniques, surface development, and presentation skills. It will also cover the fundamentals of blueprint and spatial relationships.

INTDSN 64, Interior Marker Techniques  3 units
Transfer: CSU
  •  Prerequisite: None.
  
This course covers the rendering of finished perspective drawings in color using felt markers, with an emphasis on interior materials such as wood, tile, marble, glass, metals and mirrored surfaces, fabrics, floor and wall coverings, window treatments, plants, and entourage. Use of light, shade, and shadow to show 3-D form, and use of color and texture to produce realistic effects in complete room settings are also covered.

INTDSN 66, Visual History of American Housing  3 units
Transfer: CSU
  •  Prerequisite: None.
  
This course is a comprehensive slide lecture study of housing from the 17th Century through the 20th Century. The course recognizes major design movements, with concentrations on all elements of the interior including floor plans, walls, fireplaces, floors, ceilings, and lighting. The class offers on-site study of local installations and development of portfolio notebooks for correct client installations of historical and contemporary rooms. The course is designed for careers in interior design, set design, art direction, construction design, preservation, restoration, and real estate.

INTDSN 69, Custom Residential Design  3 units

  •  Prerequisite: Interior Architectural Design 45 and 51.
  
This course is the analysis and application of the design process to space planning materials and finish choices, codes application, and selection of specialized equipment unique to the planning of custom residential spaces. Design solutions to custom residential problems will be developed in the studio.

INTDSN 70, Interior 3-D Computer Rendering and Animation  3 units
Transfer: CSU
  •  Prerequisite: Interior Architectural Design 35 and 43.
  
This is a beginning lecture and studio course in 3-D computer animation, emphasizing interior design and set design for film and TV. It will cover the basics of computer animation in a virtual interior with an emphasis on lighting, surface materials (textures), and camera angles. Beginning animations suitable for interior architectural walk-throughs will be created. The student will develop techniques, using state of the art software such as 3-D Studio Max, to create visual representations on high resolution computers of an actual interior design or set design for film and television.

INTDSN 90A, Internship  1 unit
Transfer: CSU
  •  Prerequisite: 2.0 grade point average and an approved internship with instructor prior to enrollment.
  
The Internship program is designed to provide the student with on-site, practical experience in a related design field. Students spend a minimum of 54 hours during the term in a supervised design facility. Exit internship evaluation, time log, and oral interview are required.

INTDSN 90B, Internship  2 units
Transfer: CSU
  •  Prerequisite: 2.0 grade point average and an approved internship with instructor prior to enrollment.
  
The Internship program is designed to provide the student with on-site, practical experience in a related design field. Students spend time during the term in a supervised design facility. Exit internship evaluation, time log, and oral interview are required.

INTDSN 90C, Internship  3 units
Transfer: CSU
  •  Prerequisite: 2.0 grade point average and an approved internship with instructor prior to enrollment.
  
The Internship program is designed to provide the student with on-site, practical experience in a related design field. Students spend time during the term in a supervised design facility. Exit internship evaluation, time log, and oral interview are required.

INTDSN 90D, Internship  4 units
Transfer: CSU
  •  Prerequisite: 2.0 grade point average and an approved internship with instructor prior to enrollment.
  
The Internship program is designed to provide the student with on-site, practical experience in a related design field. Students spend time during the term in a supervised design facility. Exit internship evaluation, time log, and oral interview are required.
**Internships**

Internships are offered in the following sections: Biological Sciences, Broadcasting, Business, Computer Applications, Computer Science, Dance, English Composition – Group A, Entertainment Technology, Graphic Design, Interior Architectural Design, Journalism, Marketing, Nutrition and Women's Studies. General internships are also available through the Counseling department. Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling. A total of 8 internship units may be applied toward the AA degree. A total of 16 internship units may be taken. See a counselor for transfer credit limitations.

**Italian**

Additional hours to be arranged in the Modern Language Lab for Italian 1 and 2.

**ITAL 1, Elementary Italian I** 5 units
Transfer: UC, CSU
IGETC Foreign Language (required for UC only)
- Prerequisite: None.

Using the communicative approach, this course stresses the fundamentals of pronunciation, grammar, practical vocabulary, useful phrases, and the ability to understand, speak, read, and write simple Italian. Using fundamental sentence structures in the present and past tenses, students practice speaking and holding simple conversations in class and writing compositions. Lectures and discussions are included covering the geography, customs, culture, and literature of Italy.

**ITAL 2, Elementary Italian II** 5 units
Transfer: UC, CSU
IGETC Foreign Language (required for UC only)
- Prerequisite: Italian 1*.

This course is a continuation of Italian 1 and completes the elementary grammar. It includes the reading of simplified texts with emphasis on oral expression and further study of Italian history and culture.

*The prerequisite for this course is comparable to two years of high school Italian.

**ITAL 3, Intermediate Italian I** 5 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- Prerequisite: Italian 2*.

This course is a review of Italian grammar with special emphasis on idiomatic construction and expressions. It includes the study and reading, in and out of class, of selected readings from Italian literature, along with an emphasis on vocabulary building.

*The prerequisite for this course is comparable to three years of high school Italian.

**ITAL 8, Conversational Italian (2,2)** 2 units
Transfer: UC, CSU
- Prerequisite: Italian 2.

This course provides an opportunity to acquire intermediate fluency in spoken Italian with an emphasis on natural, colloquial usage. New vocabulary and idiomatic phrases will be emphasized, and the students will hold conversations in Italian during each class.

**Japanese**

Additional hours to be arranged in the Modern Language Lab for Japanese 1 and 2.

**JAPAN 1, Elementary Japanese I** 5 units
Transfer: UC, CSU
IGETC Foreign Language (required for UC only)
- Prerequisite: None.

This course, using a communicative approach, introduces the student to Japanese sentence structure, basic vocabulary, and the two Japanese phonetic characters Hiragana and Katakana. The student learns to hold short conversations and write about present and past actions. The student is also introduced to important elements of Japanese culture and customs of the Japanese people.

**JAPAN 2, Elementary Japanese II** 5 units
Transfer: UC, CSU
IGETC Foreign Language (required for UC only)
- Prerequisite: Japanese 1*.

This course is a continuation of Japanese 1, and provides students with a basic foundation in the language at the elementary level. Using a communicative approach, students further their knowledge of pronunciation and grammar, including plain (short) forms and noun modifying clauses, as well as vocabulary and kanji. Students read and write essays on selected topics. To enhance student awareness and understanding, relevant aspects of Japanese culture are presented throughout the course. At least one hour of laboratory attendance per week is required.

*The prerequisite for this course is comparable to two years of high school Japanese.

**JAPAN 3, Intermediate Japanese I** 5 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- Prerequisite: Japanese 2*.

This course continues developing the student's four communication skills: listening, speaking, reading, and writing with intensive and extensive aural/oral and reading/writing exercises to achieve proficiency. The course consists of a review of grammar, vocabulary building, and expansion of Kanji. The difference between spoken and written Japanese is introduced. The written style (bungo-tai) is implemented by writing compositions. The different levels of politeness in speech are systematically covered. Selected topics on Japanese culture are presented throughout the course to enhance student's awareness and understanding of Japanese culture.

*The prerequisite for this course is comparable to three years of high school Japanese.
JAPAN 4, Intermediate Japanese II  5 units  
Transfer: UC, CSU  
IGETC AREA 3B (Humanities)  
•  Prerequisite: Japanese 3*.  
This course concentrates on further perfecting the student's four communication skills: listening, speaking, reading, and writing. It focuses on building vocabulary and idiomatic expressions, current colloquial usage, and developing fluency. Discussions and compositions are based on selected readings. The differences between spoken and written Japanese and different levels of politeness in speech are studied along with select features of Japanese culture, history, art, literature, and Japan's political and economic systems. The prerequisite for this course is comparable to four years of high school Japanese.

JAPAN 8, Conversational Japanese (2,2)  2 units  
Transfer: UC, CSU  
•  Prerequisite: Japanese 2.  
This course provides the student with an opportunity to increase fluency in spoken Japanese with an emphasis on natural, colloquial usage.

Journalism

Also see courses listed under Broadcasting, Communication, Film Studies and Speech.

JOURN 1, The News  3 units  
Transfer: UC, CSU  
•  Prerequisite: None.  
•  Advisory: Eligibility for English 1.  
This introductory course acquaints the student with journalism techniques with a focus on the newspaper medium, including broadcast and online formats. The course encourages a thoughtful awareness and critical analysis of news reporting. Theory is combined with assignments that apply the basic principles of newswriting.

JOURN 3, Editing  3 units  
Transfer: CSU  
Advisory: Journalism 1.  
This course will focus on skills needed to edit articles and prepare photos and artwork for publication in newspapers and magazines. The course will include copy editing, Associated Press style, sizing photos, page layout, and desk top publishing production techniques. Practical skills such as making assignments and meeting deadlines will also be covered. Suggested for students who have completed or are enrolled in Journalism 2, 16, or 17.

JOURN 4A, Newscasting and Newswriting  3 units  
Transfer: CSU  
•  Prerequisite: None.  
This course familiarizes the student with the expectations of journalism by the public and teaches the student the basic newswriting guidelines used in broadcast journalism. Through newswriting assignments and exercises the student will become adept in basic broadcast newswriting.

Journalism 4A is the same course as Broadcasting 4A. Students may earn credit for one, but not both.

JOURN 4B, Advanced Newscasting and Broadcasting (3,3)  3 units  
Transfer: CSU  
•  Prerequisite: Journalism 4A.  
This is a continuation of Broadcasting 4A or Journalism 4A and through this course the student will write broadcast copy for a variety of news situations in radio and television. Assignments will include writing broadcast copy for SMC's campus station KWRF. Issues in media ethics and career opportunities will also be discussed. Journalism 4B is the same course as Broadcasting 4B. Students may earn credit for one, but not both.

JOURN 8, Writing to Sell (3,3)  3 units  
Transfer: CSU  
•  Prerequisite: None.  
Advisory: Minimum keyboarding skills. English Assessment Group A.  
Students study article-writing opportunities for magazines and newspapers. In this lecture-production class, students write freelance articles for submission to commercial and campus publications.

JOURN 16, Producing the Campus Newspaper (4,4)  4 units  
Transfer: CSU  
•  Prerequisite: Journalism 1.  
Students receive advanced instruction in writing stories, copy reading, editing, layout, and makeup. They direct the production of "The Corsair," the college weekly newspaper, and its online edition. The course may be repeated once for credit.

JOURN 17, Editing the Campus Newspaper (2,2)  2 units  
Transfer: CSU  
•  Prerequisite: Journalism 1.  
This course provides advanced instruction for student editors of The Corsair newspaper and its online edition. Topics include assigning and copyediting stories and photos, working with writers and photographers, designing and pasting up pages, “packaging” stories with graphics and photos, and using accepted professional practices to solve ethical problems that arise. Students will comprise the editing staff of The Corsair, including the editor in chief, online editor, page editors, copy editor, graphics editor, photo editor, and chief photographer. Journalism 17 students will be concurrently enrolled in either Journalism 16 or Journalism 22 or Photography 14. Journalism 17 may be repeated once for credit.

JOURN 18, Opinion Writing  3 units  
Transfer: CSU  
•  Prerequisite: Journalism 1.  
Advisory: Minimum keyboarding skills.  
Journalistic forms of opinion writing will be the focus of this course, which emphasizes techniques for presenting one's opinion persuasively. Students will gain experience in writing reviews of films, drama, music, and art. Opinion writing and reporting techniques also will be applied to writing editorials,
opinion for the editorial pages, letters to the editor, and columns.

**JOURN 19, Producing the Online Newspaper** 3 units
Transfer: CSU
This is a survey course of basic principles and objectives of public relations, including publicity and promotion techniques. Emphasis is on the tools, such as media and publication, in planning public relations programs. Journalism 43 is the same course as Business 29. Students may earn credit for one, but not both.

**JOURN 20, Producing Magazines for the Web (3,3)** 3 units
Transfer: CSU
JOURN 19 recommended for students who are taking or have taken ET 14 Web Design 1 and/or ET 34 Web Animation 1.

**JOURN 21, News Photography** 3 units
Transfer: CSU
Prerequisite: None.
This is an introductory course designed to acquaint students with the benefits of physical activity in their lives. The course will aid students to create individual exercise programs after a survey of activity modules.

**JOURN 22, Photography for Publication (3,3)** 3 units
Transfer: CSU
Prerequisite: Journalism 21 or Photography 13.

**JOURN 23, Public Relations and Publicity** 3 units
Transfer: CSU
Prerequisite: None.

This course focuses on magazine production for the World Wide Web. Each student will create an interactive online magazine ("eZine"). The magazine will incorporate principles of journalism as well as elements of the Internet medium, such as pictures, graphics, audio, and text, to create an interesting and informative multi-media eZine. Students will be responsible for all phases of the production, including developing themes and stories, writing, editing, graphical user interface construction, and photography. The magazines may incorporate video material from students in Broadcasting 46 or 48 classes. This course may be repeated once for credit.

**JOURN 24, Producing the Online Newspaper (3,3)** 3 units
Transfer: CSU
JOURN 23 recommended for students who are taking or have taken ET 14 Web Design 1 and/or ET 34 Web Animation 1.

**JOURN 90A, Internship in Journalism** 1 unit
Transfer: CSU
Prerequisite: None.

This course provides an in-depth study of photojournalism with an emphasis on creation of photo story ideas, photo essays, and feature photos for publication. Photo editing and layout for newspapers, magazines, and on-line publishing will be covered. Students will comprise the photo staff of the campus newspaper, The Corsair, and on-line publications. This course may be repeated once for credit. A 35-mm single lens reflex camera with manual focus capability is required. Journalism 21 is the same course as Photography 13. Students may receive credit for one but not both.

**Kinesiology**

**Physical Education**

*Maximum UC transfer credit for any or all of the courses combined is four units.*

**KIN PE 1A, Adaptive (1,1,1)** 1 unit
Transfer: UC*, CSU
Prerequisite: None.

This course is designed for the physically handicapped student who wishes to participate in activities selected to meet individual preferences.

**KIN PE 2, Achieving Lifetime Fitness** 3 units
Transfer: UC#, CSU
Prerequisite: None.

This is an introductory course designed to acquaint students with the benefits of physical activity in their lives. The course will aid students to create individual exercise programs after a survey of activity modules.

*Maximum UC credit for KIN PE 2, 3, PRO CR 3, 4, 6A, 6B, 29A, 29B combined is 8 units*
KIN PE 3, Introduction to Exercise Physiology 1 3 units
Transfer: UC*, CSU
- Prerequisite: None.

This is an introduction to the principles of exercise physiology. The course will discuss topics related to exercise and human performance. These topics will include: energy transfer and utilization, nutrition, and measurement of human performance as it relates to physical activity and life-long wellness.

*Maximum UC credit for KIN PE 2, 3, PRO CR 3, 4, 6A, 6B, 29A, 29B combined is 8 units.

KIN PE 5A, Beginning Badminton 1 unit
Transfer: UC*, CSU
- Prerequisite: None.

This course covers the basic skills in playing badminton, including the rules and techniques of the basic skills: serving, underhand, and overhand strokes.

KIN PE 5B, Intermediate Badminton 1 unit
Transfer: UC, CSU
- Prerequisite: None.

This course continues with drills for the basic skills in playing badminton and introduces the doubles game. Doubles strategies and drills designed to improve placement and consistency are covered.

KIN PE 5C, Advanced Badminton 1 unit
Transfer: UC, CSU
- Prerequisite: None.

This course covers the techniques and skills of badminton, including the rules and strategies for competitive play.

KIN PE 10, Fitness Lab (1,1,1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: None.

This is a physical fitness course designed to develop and encourage positive attitudes and habits in a personalized exercise program. The program is designed to work the five health-related components of fitness. The primary training activity is aerobic weight training utilizing a sequence of body specific weight lifting machines and stationary bicycles organized into an "aerobic super circuit." The aerobic super circuit combines low intensity, high repetition weight training with aerobic activity stations. Additional activity is available in an aerobics machine area (treadmills, steppers, bikes) and a stretching flexibility area.

KIN PE 11A, Beginning Weight Training (1,1,1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: None.

This course is designed as an introduction to the various methods of weight training and their effects on body development.

KIN PE 11B, Intermediate Weight Training (1,1,1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: None.

This course is the intermediate level in aiding students to reevaluate their weight training program and muscular development.

KIN PE 11C, Advanced Weight Training (1,1,1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: None.

This course is intended to aid students in reevaluating their weight training program and muscular development goals.

KIN PE 11N, Individual Weight Training (1,1,1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: None.

This course is a strength laboratory experience designed to assist beginning and advanced students in refining their individualized weight training program.

KIN PE 14, Cross Country (1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: None.

This course is designed to develop the mental and physical techniques necessary for running long distances while developing aerobic conditioning.

KIN PE 15A, Cycling (1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: None.

This course is designed to develop the mental and physical techniques necessary for cycling long distances while developing aerobic conditioning.

KIN PE 16A, Beginning Rock Climbing (1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: None.

This course is an indoor rock climbing class that offers instruction and practice in the skills of rock climbing. Basic safety skills, bouldering, belaying, and climbing techniques will be taught.

KIN PE 16B, Intermediate Rock Climbing (1,1,1) 1 unit
Transfer: UC* pending, CSU
- Prerequisite: Kin PE 16A or instructor's permission

This course is designed to further introduce the student to the sport of Rock Climbing through three different variations of the sport. Students will learn and practice Bouldering, Top Rope, and Lead climbing at an indoor rock climbing facility.

KIN PE 17, Boxing for Fitness (1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: None.

This course will combine basic exercises and techniques from boxing and kickboxing to promote a fun and effective aerobic workout. Instruction will include boxing to music using gloves, focus pads and heavy bag exercises. These exercises will improve cardiovascular endurance, strength development, and flexibility for lifetime fitness.
KIN PE 19A, Fitness – Anaerobic Exercises (1,1) 1 unit
Transfer: UC*, CSU
• Prerequisite: None.
  Traditional exercises and weights are used to achieve fitness programs usable for lifetime maintenance.

KIN PE 19B, Fitness – Aerobic Exercises (1,1) 1 unit
Transfer: UC*, CSU
• Prerequisite: None.
  Instruction is provided in exercises to music and running that may be used for maintenance of individual fitness programs.

KIN PE 19C, Fitness – Body Level Exercises (1,1) 1 unit
Transfer: UC*, CSU
• Prerequisite: None.
  Traditional and aerobic exercises are used to develop the body while concentrating on specific body areas. One repeat is allowed.

KIN PE 19D, Fitness – Aquatic Exercises (1,1) 1 unit
Transfer: UC*, CSU
• Prerequisite: None.
  This course will implement exercises in the pool, using water for resistance to achieve physical fitness.

KIN PE 19E, Pilates Mat Exercise (1,1) 1 unit
Transfer: UC*, CSU
• Prerequisite: None.
  This course is designed to introduce the student to Pilates’ Mat technique of exercise. Pilates is a unique method of body control and conditioning. It consists of stretching and strengthening the muscles, while improving flexibility and balance.

KIN PE 25A, Beginning Golf (1,1,1,1) 1 unit
Transfer: UC*, CSU
• Prerequisite: None.
  This course is designed to teach basic fundamentals, rules, and etiquette of golf.

KIN PE 25B, Intermediate Golf (1,1,1,1) 1 unit
Transfer: UC*, CSU
• Prerequisite: Physical Education 25A.
  This course is a continuation of the basic skills of golf, especially in the area of short game, long irons, and woods.

KIN PE 25C, Advanced Golf (1,1,1,1) 1 unit
Transfer: UC*, CSU
• Prerequisite: None.
  This course provides an emphasis on playing rounds at local golf courses, types of competition, and the where-to-go and what-to-do of golf.

KIN PE 34A, Karate (1,1) 1 unit
Transfer: UC*, CSU
• Prerequisite: None.
  This course provides beginning instruction in Karate.

KIN PE 37A, Racquetball (1,1) 1 unit
Transfer: UC*, CSU
• Prerequisite: None.
  This course provides instruction and practice in the basic skills of racquetball, covering the presentation of singles and doubles play including basic shots and strategies.

KIN PE 37B, Intermediate Racquetball (1,1) 1 unit
Transfer: UC*, CSU
• Prerequisite: None.
  This course is continuation of racquetball skills with emphasis on advanced strategy used in singles and doubles play.

KIN PE 41W, Self Defense – Women (1,1) 1 unit
Transfer: UC*, CSU
• Prerequisite: None.
  This course provides knowledge of the laws relating to self defense, basics of anatomy as applied to defense techniques, and physical techniques that are effective in self defense.

KIN PE 53A, Table Tennis (1,1) 1 unit
Transfer: UC*, CSU
• Prerequisite: None.
  This class will discuss all basic strokes used in competitive table tennis. Video tapes will be incorporated to demonstrate and analyze the movement and timing necessary to add variety to oncoming shots.

KIN PE 53B, Intermediate Table Tennis (1,1) 1 unit
Transfer: UC*, CSU
• Prerequisite: None.
  This class is designed to cover various intermediate techniques for table tennis.

KIN PE 54A, Beginning Tennis, First Level (1,1,1,1) 1 unit
Transfer: UC*, CSU
• Prerequisite: None.
  Techniques and drill in fundamental skills, forehand and serve are introduced. Instruction includes rules, scoring, and court etiquette that prepares student for limited play.

KIN PE 54B, Beginning Tennis, Second Level (1,1,1,1) 1 unit
Transfer: UC*, CSU
• Prerequisite: Physical Education 54A.
  This course continues with drills in basic skills and introduces more advanced strokes, lob, volley, and overhead smash. Game strategies for singles and doubles play are developed.

KIN PE 54C, Intermediate Tennis (1,1,1,1) 1 unit
Transfer: UC*, CSU
• Prerequisite: Physical Education 54B.
  Conditioning and advanced drills designed to improve placement and consistency during match play are offered.
KIN PE 54D, Advanced Tennis (1,1,1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: Physical Education 54C.
  This course is designed to improve play for competition in singles and doubles contests outside of school.

KIN PE 56A, Beginning Track and Field (1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: None.
  This course involves an overview of all track and field events with lectures and student participation.

KIN PE 58A, Beginning Yoga (1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: None.
  Basic yoga positions and exercises, control breathing, relaxation techniques, and stretching postures are addressed in the class.

KIN PE 58B, Intermediate Yoga (1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: None.
  Exposure to intermediate and advanced postures, relaxation, and concentration exercises are covered in the class.

KIN PE 58C, Advanced Yoga (1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: None.
  This is an in-depth yoga course for the advanced student who has previous yoga experience resulting in knowledge of 25 basic poses.

KIN PE 88A, Independent Studies in Physical Education 1 unit
Transfer: CSU
  Please see "Independent Studies" section.

KIN PE 9A, Beginning Basketball (1,1,1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: None.
  This is an activity course designed to introduce the student to basketball skills and rules.

KIN PE 9B, Intermediate Basketball (1,1,1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: Physical Education 9A.
  This course is designed to introduce the student to the strategies of team defensive basketball. Topics include the skills required to play defense, drills to improve on those skills, development of defensive strategies and drills to improve in the execution of those strategies.

KIN PE 9C, Advanced Basketball (1,1,1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: Physical Education 9B.
  This is an activity course designed with an emphasis on high level competition among students with previous experience. The course stresses advanced fundamentals and strategies.

KIN PE 9W, Advanced Basketball for Women (1,1,1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: None.
  This is an activity course designed with an emphasis on high level competition among students with previous experience. The course stresses advanced fundamentals and strategies.

KIN PE 21, Coed Touch Football 1 unit
Transfer: UC*, CSU
- Prerequisite: None.
  This course covers rules, strategies, and skills necessary to successfully participate in touch football as a leisure time activity.

KIN PE 21C, Advanced Football for Men (1,1,1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: None.
  This course is a continuation of beginning touch football concentrating on position skills and strategies.

KIN PE 43A, Beginning Soccer (1,1,1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: None.
  This course is designed to introduce the student to soccer skills and rules.

KIN PE 43C, Advanced Soccer (1,1,1,1) 1 unit
Transfer: UC*, CSU
- Prerequisite: None.
  This course is a continuation of the beginning course with an emphasis placed on game strategies. One repeat allowed.
KIN PE 45A, Beginning Softball (1,1,1,1)  1 unit  
Transfer: UC*, CSU

- Prerequisite: None.

This course is designed for individuals who have not played organized softball. Basics for throwing, fielding, hitting, and base running are covered.

KIN PE 45C, Advanced Softball (1,1,1,1)  1 unit  
Transfer: UC*, CSU

- Prerequisite: None.

This course is designed for individuals with above average skills. Activities are centered around skills learned in KIN PE 45A game situations.

KIN PE 57A, Beginning Volleyball (1,1,1,1)  1 unit  
Transfer: UC*, CSU

- Prerequisite: None.

This course develops the basic skills in playing volleyball, including rules and techniques of playing power volleyball.

KIN PE 57B, Intermediate Volleyball (1,1,1,1)  1 unit  
Transfer: UC*, CSU

- Prerequisite: Physical Education 57A.

This course covers advanced techniques and strategies of the game in a competitive class situation. The continuing development of high level skills is emphasized. One repeat allowed.

KIN PE 57C, Advanced Volleyball (1,1,1,1)  1 unit  
Transfer: UC*, CSU

- Prerequisite: Physical Education 57B.

This course covers advanced techniques and strategies of the game in a competitive class situation. The continuing development of high level skills is emphasized. One repeat allowed.

KIN PE 59A, Beginning Beach Volleyball (1,1)  1 unit  
Transfer: UC*, CSU

- Prerequisite: None.

This course develops the basic skills in playing beach volleyball, including rules and techniques of playing power beach volleyball.

KIN PE 59B, Intermediate Beach Volleyball (1,1)  1 unit  
Transfer: UC*, CSU

- Prerequisite: None.

This course covers techniques and strategies in playing power beach volleyball at the four and two-person level. The continuing development of high level skills is emphasized.

KIN PE 59C, Advanced Beach Volleyball (1,1)  1 unit  
Transfer: UC*, CSU

- Prerequisite: None.

This course covers advanced techniques and strategies of beach volleyball in a competitive class situation. The continuing development of high level skills is emphasized.

Kinesiology  
Physical Education  
Aquatics

Kinesiology  
Physical Education  
Aquatics

*Maximum UC transfer credit for any or all of the courses combined is four units.

KIN PE 48A, Beginning Swimming (1,1,1,1)  1 unit  
Transfer: UC*, CSU

- Prerequisite: None.

This course is for students with limited or no experience in swimming.

KIN PE 48B, Elementary Swimming (1,1)  1 unit  
Transfer: UC*, CSU

- Prerequisite: None.

This course is designed for second level swimmers. Concentration is on stroke instruction and conditioning. Swimmers must be able to complete 25 yards of freestyle with side breathing in deep water.

KIN PE 48C, Intermediate Swimming (1,1)  1 unit  
Transfer: UC*, CSU

- Prerequisite: None.

This course provides instruction and practice in all swimming strokes and diving. Emphasis is placed on performance and conditioning.

KIN PE 48D, Advanced Swimming (1,1)  1 unit  
Transfer: UC*, CSU

- Prerequisite: None.

This course provides advanced instruction and practice in swimming strokes and competition. Emphasis is placed on performance and conditioning.

KIN PE 49A, Board Diving (1,1)  1 unit  
Transfer: UC*, CSU

- Prerequisite: None.

This course provides instruction and practice in the mastery of a variety of intricate diving techniques.

KIN PE 49C, Skin Diving  1 unit  
Transfer: UC*, CSU

- Prerequisite: Physical Education 48C.

This course covers the basic skills needed to skin dive safely. Emphasis is also placed on conditioning and strokes.

KIN PE 49D, Basic SCUBA  3 units  
Transfer: UC, CSU

- Prerequisite: None.

This course offers instruction and practice in the skills of Self Contained Underwater Breathing Apparatus (SCUBA). The instruction will include open water diving, pool dives and using the no-decompression dive tables. Successful completion of course requirements leads to Los Angeles County Basic SCUBA
and NAUI (National Association of Underwater Instructors) certificates.
Additional fees for equipment rental will apply.

**KIN PE 50A, Beginning Water Polo (1,1) 1 unit**
Transfer: UC*, CSU
- **Prerequisite: None.**
  
  This course is an introduction to the aquatic sport of water polo, and provides instruction in the basic skills and conditioning.

**KIN PE 50C, Advanced Water Polo (1,1,1,1) 1 unit**
Transfer: UC*, CSU
- **Prerequisite: None.**
  
  This course develops advanced skills and covers strategies of the game of water polo with an emphasis on competitive situations.

**KIN PE 51A, Beginning Surfing (1,1) 1 unit**
Transfer: UC*, CSU
**Advisory:** Physical Education 48C.
  
  This class is designed to cover the fundamentals of the technique of surfing. Emphasis is placed on performance and conditioning for surfing.

**KIN PE 51B, Intermediate Surfing (1,1) 1 unit**
Transfer: UC*, CSU
- **Prerequisite: None.**
- **Advisory:** Physical Education 48D, Advanced Swimming or Physical Education 51A, Surfing.
  
  This class is designed to cover various intermediate techniques for surfing. Emphasis is placed on performance and conditioning for surfing.

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**Kinesiology Professional Courses**

**PRO CR 3, Coaching of Racquet Sports 3 units**
Transfer: UC*, CSU
  
  This course offers instruction and practice in skills of racquet sports. The course will also provide experience in teaching and coaching techniques of racquet sports at the high school or college level.
  *Maximum UC credit for KIN PE 2, 3, PRO CR 3, 4, 6A, 6B, 29A, 29B combined is 8 units.*

**PRO CR 4, Coaching of Track and Field 3 units**
Transfer: UC*, CSU
- **Prerequisite: None.**
  
  This course provides experience in techniques of teaching and coaching track and field events at the high school or college level.
  *Maximum UC credit for KIN PE 2, 3, PRO CR 3, 4, 6A, 6B, 29A, 29B combined is 8 units*

**PRO CR 6A, Coaching of Football 3 units**
Transfer: UC*, CSU
- **Prerequisite: None.**
  
  This course offers instruction and practice in the skills of football. The course will also provide experience in teaching and coaching techniques of football at the high school or college level.
  *Maximum UC credit for KIN PE 2, 3, PRO CR 3, 4, 6A, 6B, 29A, 29B combined is 8 units.*

**PRO CR 6B, Coaching of Baseball 3 units**
Transfer: UC*, CSU
- **Prerequisite: None.**
  
  This course offers instruction and practice in the skills and drills of baseball, plus experience in teaching and coaching techniques at the high school or college level.
  *Maximum UC credit for KIN PE 2, 3, PRO CR 3, 4, 6A, 6B, 29A, 29B combined is 8 units* 

**PRO CR 10, Introduction to Kinesiology 3 units**
Transfer: UC, CSU
- **Prerequisite: None.**
  
  Maximum credit in skills courses is eight units.
  
  This course provides the student with an overview of the scope, history, and philosophy of the profession. Included is an in-depth look at requirements and preparation for employment opportunities.

**PRO CR 11, Introduction to Sports Injuries 3 units**
Transfer: UC, CSU
- **Prerequisite: None.**
  
  This course introduces the student to the anatomy and physiology of sports injuries. The prevention and treatment of injuries as well as techniques of applying supportive materials are included.

**PRO CR 12, Emergency Care and Water Safety 3 units**
Transfer: UC, CSU
- **Prerequisite: None.**
  
  This course deals with preventing accidents, caring for common injuries, and emergency procedures at the scene of accidents or sudden illness. The instruction will include the practice of American Red Cross senior life saving, water safety, lifeguard training, community first aid, and CPR. Successful completion of course requirements leads to American National Red Cross advanced first aid and personal safety, community CPR, and Water Safety Instructor certificates.

**PRO CR 15, Sports Management 3 units**
Transfer: CSU
- **Prerequisite: None.**
  
  This introductory leadership course provides a foundation for the preparation of future sports managers. The course includes information on sports management, sports law, sports marketing, sports finance, sports ethics and sports history. This course also introduces all of the support systems necessary to sustain the sports industry (broadcasting, media relations, and facility and event management). Field trips and guest lecturers...
will be arranged and some internships will be available for qualified students.

**PRO CR 19, Field Experience (2,2)** 2 units

Transfer: CSU

- **Prerequisite:** None

  This course offers the student an opportunity to plan, organize, and conduct a beginning level activity class of his or her choice as a teaching assistant with a member of the physical education department.

**PRO CR 29A, Officiating Fall Sports** 3 units

Transfer: UC*, CSU

- **Prerequisite:** None

  This course provides a study of the principles and mechanics of officiating fall sports. Students will gain field experience in officiating team sports on campus and with local recreation departments.

  *Maximum UC credit for PHY ED 2, 3, PRO CR 3, 4, 6A, 6B, 29A, 29B combined is 8 units.

**PRO CR 29B, Officiating Spring Sports** 3 units

Transfer: UC*, CSU

- **Prerequisite:** None

  This course provides a study of principles and mechanics of officiating spring sports. Students will gain field experience in officiating sports on campus and with local recreation departments.

  *Maximum UC credit for PHY ED 2, 3, PRO CR 3, 4, 6A, 6B, 29A, 29B combined is 8 units.

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**Varsity Intercollegiate Sports—Men**

Athletic courses provide an opportunity for inter-conference, invitational, sectional or state involvement at a high level of mental and physical competition. Athletic excellence is stressed throughout. One repeat of each varsity sport is allowed. Maximum credit for UC transfer for any or all of these courses combined is four units.

**VAR PE 9V, Varsity Basketball for Men** 2 units

Transfer: UC, CSU

- **Prerequisite:** Must be enrolled in at least 12 units, including this course.

  The varsity basketball course provides a consistent laboratory for the development and enhancement of the skills required to participate in college athletics. The course is to be arranged in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. One repeat for each course is allowed.

**VAR PE 14V, Cross Country for Men** 2 units

Transfer: UC, CSU

- **Prerequisite:** Must be enrolled in at least 12 units, including this course.

  The varsity athletics cross country course provides a consistent laboratory for the development and enhancement of the skills required to participate in college athletics. The course is to be arranged in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. One repeat for each course is allowed.
Varsity Intercollegiate Sports - Women

Athletic courses provide an opportunity for inter-conference, invitational, sectional or state involvement at a high level of mental and physical competition. Athletic excellence is stressed throughout. One repeat of each varsity sport is allowed. Maximum credit for UC transfer for any or all of these courses combined is four units.

VAR PE 9W, Varsity Basketball for Women 2 units
Transfer: UC, CSU

• Prerequisite: Must be enrolled in at least 12 units, including this course.

The varsity basketball course provides a consistent laboratory for the development and enhancement of the skills required to participate in college athletics. The course is to be arranged in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. One repeat for each course is allowed.

VAR PE 14W, Varsity Cross Country for Women 2 units
Transfer: UC, CSU

• Prerequisite: Must be enrolled in at least 12 units, including this course.

The varsity athletics cross country course provides a consistent laboratory for the development and enhancement of the skills required to participate in college athletics. The course is to be arranged in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. One repeat for each course is allowed.

VAR PE 43W, Varsity Soccer for Women 2 units
Transfer: UC, CSU

• Prerequisite: Must be enrolled in at least 12 units, including this course.

The varsity soccer course provides a consistent laboratory for the development and enhancement of the skills required to participate in college athletics. The course is to be arranged in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. One repeat for each course is allowed.

VAR PE 45W, Varsity Softball for Women 2 units
Transfer: UC, CSU

• Prerequisite: Must be enrolled in at least 12 units, including this course.

The varsity softball course provides a consistent laboratory for the development and enhancement of the skills required to participate in college athletics. The course is to be arranged in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. One repeat for each course is allowed.

VAR PE 48W, Varsity Swimming and Diving for Women 2 units
Transfer: UC, CSU

• Prerequisite: Must be enrolled in at least 12 units, including this course.

The varsity swimming and diving course provides a consistent laboratory for the development and enhancement of the skills required to participate in college athletics. The course is to be arranged in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. One repeat for each course is allowed.

VAR PE 50W, Varsity Water Polo for Women 2 units
Transfer: UC, CSU

• Prerequisite: Must be enrolled in at least 12 units, including this course.

The varsity water polo course provides a consistent laboratory for the development and enhancement of the skills required to participate in college athletics. The course is to be arranged in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. One repeat for each course is allowed.

VAR PE 54W, Varsity Tennis for Women 2 units
Transfer: UC, CSU

• Prerequisite: Must be enrolled in at least 12 units, including this course.

The varsity tennis course provides a consistent laboratory for the development and enhancement of the skills required to participate in college athletics. The course is to be arranged in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. One repeat for each course is allowed.

VAR PE 56W, Varsity Track and Field for Women 2 units
Transfer: UC, CSU

• Prerequisite: Must be enrolled in at least 12 units, including this course.

The varsity track and field course provides a consistent laboratory for the development and enhancement of the skills required to participate in college athletics. The course is to be arranged in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. One repeat for each course is allowed.

VAR PE 57W, Varsity Volleyball for Women 2 units
Transfer: UC, CSU

• Prerequisite: Must be enrolled in at least 12 units, including this course.

The varsity volleyball course provides a consistent laboratory for the development and enhancement of the skills required to participate in college athletics. The course is to be arranged in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. One repeat for each course is allowed.
Korean

Additional hours to be arranged in the Modern Language Lab for Korean 1 and 2.

KOREAN 1, Elementary Korean I 5 units
Transfer: UC, CSU
IGETC Foreign Language (required for UC only)
• Prerequisite: None.
This course teaches the Korean Hangul by applying the natural approach in the classroom. The materials are designed to encourage the students to feel free to interact in Korean as naturally and as spontaneously as possible. It introduces vocabulary skills, decoding skills, and fundamental sentence structures in the present and past. Pronunciation, grammar, and everyday vocabulary are stressed as indispensable tools for comprehension and expression. Aspects of Korean culture and history are covered as well.

KOREAN 2, Elementary Korean II 5 units
Transfer: UC, CSU
IGETC Foreign Language (required for UC only)
• Prerequisite: Korean 1*.
This course is the continuation of Korean 1. Using the natural approach, this course stresses vocabulary and fundamental sentence structure in the past and future indicative tenses and in the subjunctive mood. Basic aural and reading comprehension is developed. Students hold simple conversations and write short compositions about past and future actions. Readings of simplified texts and further study of Korean culture are included.
*The prerequisite for this course is comparable to two years of high school Korean.

KOREAN 3, Intermediate Korean I 5 units
Transfer: UC, CSU
• Prerequisite: Korean 2 or skills equivalent to that of Korean 2
This course is a continuation of Korean 2 and teaches Korean by applying the Natural Approach in the classroom. Materials are designed to encourage students to feel free to interact in Korean as naturally and as spontaneously as possible. The course has been developed in accordance with performance-based principles and methodology, learner-centeredness, use of primary resources, function/task-orientedness, balance between skill getting and skill using, and integration of speaking, listening, reading, writing, and culture. Grammar points are systematically introduced with simple but adequate explanations and abundant examples, exercises, and drills. Aspects of Korean culture and history are covered as well.

Library Studies

LIBR 1, Library Research Methods 1 unit
Transfer: CSU
• Prerequisite: None.
This course is designed to introduce students to library research and resources including information retrieval tools available in academic libraries to facilitate formal course work at all levels. Through effective use of both paper and electronic resources, students learn to access information in reference works, books, periodicals, government documents, and pamphlets. This course also presents techniques for successfully compiling the research paper, including topic selection, documentation, and bibliography production. Recommended for all students.

LIBR 3, Advanced Library Research Methods 3 units
Transfer: UC, CSU
• Prerequisite: None.
This course will provide students with advanced library research skills necessary to do research in all academic libraries. Students will learn how to identify information needs, how to access information resources, how to evaluate available resources, and how to document resources used in research. Through lecture and hands-on assignments, students will master the methods for utilizing both print and electronic resources, including online public catalogs, electronic database searching, and internet resources.

LIBR 10A, Information Resources for Social Sciences 0.5 unit
Transfer: CSU
• Prerequisite: None.
This course introduces students to social science information resources. The course is designed to teach students to select, access, evaluate, and document resources in social sciences. These information resources will include Web-based, electronic, and print resources. The skills introduced will assist students in successfully researching and completing papers, reports, and projects in social sciences.

LIBR 10B, Information Resources for Business 0.5 unit
Transfer: CSU
• Prerequisite: None.
This course introduces students to business information resources. The course is designed to teach students to select, access, evaluate, and document resources in business. These information resources will include Web-based, electronic, and print resources. The skills introduced will assist students in successfully researching and completing papers, reports, and projects.

LIBR 10C, Information Resources for Literature 0.5 unit
Transfer: CSU
• Prerequisite: None.
This course introduces students to literature information resources.

LIBR 10D, Information Resources for Science 0.5 unit
Transfer: CSU
• Prerequisite: None.
This course introduces students to science information resources.
LIBR 15, Incorporating Information Competency into the Curriculum  2 units

Transfer: CSU
•  Prerequisite: None.

This course is designed to assist instructors in developing the ability to interpret, evaluate and critically analyze information for the purpose of infusing information competency skills into the curriculum. The course will define what information competency is, its significance in the classroom, and how it can be incorporated into classroom assignments. Emphasis will be on research topic analysis, location of information, evaluation, synthesis and presentation of information with a special emphasis placed on new technologies and research. Library 15 is the same course as Education 15. Students may receive credit for one, but not both.

Mathematics

Students new to the Santa Monica College mathematics program who wish to enroll in a course must take the Math Assessment test before enrolling. A student who has successfully completed college level math courses (earned a grade of C or better) at another institution may be able to verify having met prerequisites by submitting an official transcript. Continuing students must complete prerequisite courses with a grade of "C" or better.

MATH 2, Precalculus  5 units

Transfer: *UC, CSU
IGETC AREA 2 (Mathematical Concepts)
•  Prerequisite: Math 20 and Math 32.
*Maximum UC credit for Math 2 and Math 22 combined is 4 units.

This is an intensive preparation for calculus. This course is intended for computer science, engineering, mathematics, and natural science majors. Topics include algebraic, exponential, logarithmic and trigonometric functions and their inverses and identities, conic sections, sequences, series, the binomial theorem and mathematical induction.

MATH 7, Calculus 1  5 units

Transfer: UC, CSU
IGETC AREA 2 (Mathematical Concepts)
•  Prerequisite: Math 2.

This course is intended for computer science, engineering, mathematics and natural science majors. Topics in this course include limits, continuity, and derivatives and integrals of algebraic and trigonometric functions, with mathematical and physical applications.

Maximum UC credits allowed for only one series, either Math 7, 8 or 23, 24 or 28, 29.

MATH 8, Calculus 2  5 units

Transfer: UC, CSU
IGETC AREA 2 (Mathematical Concepts)
•  Prerequisite: Math 7.

A second course in calculus. Topics include derivatives and integrals of transcendental functions with mathematical and physical applications, indeterminate forms and improper integrals, infinite sequences and series, and curves, including conic sections, described by parametric equations and polar coordinates.

Maximum UC credit is allowed for only one series, either Math 7, 8 or 23, 24 or 28, 29.

MATH 10, Discrete Structures  3 units

Transfer: UC, CSU
IGETC AREA 2 (Mathematical Concepts)
•  Prerequisite: Math 8.

This course is intended for computer science, engineering, and mathematics majors. Topics include sets and relations, permutations and combinations, graphs and trees, induction, and Boolean algebras. Math 10 is the same course as CS 10. Students may earn credit for one, but not both.

MATH 11, Multivariable Calculus  5 units

Transfer: UC, CSU
IGETC AREA 2 (Mathematical Concepts)
•  Prerequisite: Math 8.

Topics include vectors and analytic geometry in two and three dimensions, vector functions with applications, partial derivatives, extrema, Lagrange multipliers, multiple integrals with applications, vector fields, Green's Theorem, Divergence Theorem, and Stokes' Theorem.

MATH 13, Linear Algebra  3 units

Transfer: UC, CSU
IGETC AREA 2 (Mathematical Concepts)
•  Prerequisite: Math 8.
•  Skills Advisory: Eligibility for English 1.

Topics include matrices and linear transformations; abstract vector spaces and subspaces; linear independence and bases; determinants; systems of linear equations; eigenvalues and eigenvectors.

MATH 15, Differential Equations  3 units

Transfer: UC, CSU
IGETC AREA 2 (Mathematical Concepts)
•  Prerequisite: Math 8.

This course is an introduction to ordinary differential equations. Topics include first order equations, linear equations, reduction of order, variation of parameters, spring motion and other applications, Cauchy-Euler equations, power series solutions, Laplace transform, and systems of linear differential equations.

MATH 20, Intermediate Algebra  5 units

•  Prerequisite: Math 31.

Topics include fundamental operations, equations and inequalities in one variable, rational numbers and functions, irrational numbers, complex numbers, quadratic equations and functions, exponential and logarithmic functions, linear and non-linear systems, matrices, and graphing.

MATH 21, Finite Mathematics  3 units

Transfer: UC, CSU
IGETC AREA 2 (Mathematical Concepts)
•  Prerequisite: Math 20.

This is a terminal mathematics course for liberal arts and social science majors. Topics include sets and counting, probability, linear systems, linear programming, statistics, and mathematics of finance, with emphasis on applications.
**Math Course Sequence (chart)**

**MATH 1 1**
Multivariable Calculus

**MATH 15**
Differential Equations

**MATH 1 0**
Discrete Mathematics

*Sequence to Math 2
Students who wish to take Math 2, Precalculus, need to take Math 32 in addition to Math 20.

**MATH 52**
Elementary Statistics

**MATH 21**
Finite Mathematics

**MATH 41**
Mathematics for Elementary Teachers

**MATH 22**
College Algebra

**MATH 26**
Functions and Modeling for Business and Social Science

**MATH 20**
Intermediate Algebra

**MATH 32**
Plane Geometry

*SMC AA Degree Level
For an AA degree, SMC requires successful completion of Math 20 or Math 32 (if taken Fall 2006 or later) or the passage of the SMC Math Proficiency Test plus successful completion of one additional designated non-math course. Math 20 is also the prerequisite for all first level transfer math courses: Math 2, 21, 22, 26, 41 and 52.

**College Level – Transfer Courses**
All of the following courses, with the exception of Math 41, satisfy IGETC and CSU General Education Requirements. The UCs and CSUs require an IGETC or a CSUGE math course for admission.

Math 41 transfers as elective credit to UC and satisfies a major requirement for the Liberal Studies major (teaching option) at several colleges.

The transfer math course you choose depends on your major and the university to which you want to transfer. Please consult with an SMC counselor or go to www.assist.org or www.smc.edu/transfer to make sure the course you take is appropriate for your goals.

**Higher Level Mathematics Courses**
Although these courses may be taken in any order after completion of Math 8, students are advised to complete Math 11 and Math 15 before enrolling in Math 13.
MATH 22, College Algebra for Business and Social Science 3 units
Transfer: *UC, CSU
IGETC AREA 2 (Mathematical Concepts)
  • Prerequisite: Math 20.
  *Maximum UC credit for Math 2 and Math 22 combined is 4 units.
This course is intended for students majoring in business or social sciences. It is an intensive study of algebraic functions and their applications, theory of equations, inequalities, matrices, geometric series, and the binomial theorem.

MATH 24, Calculus 2 for Business and Social Science 3 units
Transfer: UC, CSU
IGETC AREA 2 (Mathematical Concepts)
  • Prerequisite: Math 23 or Math 28.
  Topics include techniques and applications of integration, improper integrals, functions of several variables, partial derivatives, method of least squares, maxima and minima of functions of several variables with and without constraints, methods of LaGrange Multipliers, double integrals and their application, elementary differential equations with applications, probability and calculus.

MATH 26, Functions and Modeling for Business and Social Science 3 units
Transfer: UC, CSU
IGETC AREA 2 (Mathematical Concepts)
  • Prerequisite: Math 20.
  This course is a preparatory course for students anticipating enrollment in Math 23/28 (Calculus I for Business and Social Science). Topics include algebraic, exponential and logarithmic functions and their graphical representations, and using these functions to model applications in business and social science. Math 26 is not recommended as a terminal course to satisfy transfer requirements.

MATH 28, Calculus 1 for Business and Social Science 5 units
Transfer: UC, CSU
IGETC AREA 2 (Mathematical Concepts)
Prerequisites: Math 22 or Math 26 (preferred)
Formerly Math 23.
This course is intended for students majoring in business or social sciences. It is a survey of differential and integral calculus with business and social science applications. Topics include limits, differential calculus of one variable, including exponential and logarithmic functions, introduction to integral calculus, and mathematics of finance.

MATH 29, Calculus 2 for Business and Social Science 3 units
Transfer: UC, CSU
IGETC AREA 2 (Mathematical Concepts)
  • Prerequisite: Math 23 or Math 28.
Formerly Math 24.
Topics include techniques and applications of integration, improper integrals, functions of several variables, partial derivatives, method of least squares, maxima and minima of functions of several variables with and without constraints, methods of LaGrange Multipliers, double integrals and their application, elementary differential equations with applications, probability and calculus.

Maximum UC credit is allowed for only one series, either Math 7, 8 or 28, 29.

MATH 31, Elementary Algebra 5 units
  • Prerequisite: Math 84.
This course is equivalent to one year of high school algebra. Topics include: arithmetic operations with real numbers, polynomials, rational expressions, and radicals; factoring polynomials; linear equations and inequalities in one and two variables; systems of linear equalities and inequalities in two unknowns; applications problems; equations with rational expressions; equations with radicals; and introduction to quadratic equations in one variable. Students enrolled in this course are required to spend time each week in the Math Lab.
  *Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements.

MATH 32, Plane Geometry 3 units
  • Prerequisite: Math 31.
Advisory: Math 20.
This course is equivalent to one year of high school plane geometry. Topics include sets, postulates, theorems, proofs, constructions, congruent triangles, parallels, similar polygons, regular polygons, right triangles, circles, loci, and area. Emphasis will be made on thinking, memorizing, and analyzing abstract mathematical concepts.

MATH 41, Mathematics for Elementary School Teachers 3 units
Transfer: CSU
  • Prerequisite: Math 20.
This course is designed for preservice elementary school teachers. The course will examine five content areas: Numeration (historical development of numeration system); Set Theory (descriptions of sets, operations of sets, Venn Diagrams); Number Theory (divisibility, primes and composites, greatest common divisor, least common multiple); Properties of Numbers (whole numbers, integers, rational numbers, and models for teaching binary operations); and Problem Solving (strategies, models to solve problems, inductive and deductive reasoning).

MATH 52, Elementary Statistics 3 units
Transfer: UC, CSU
IGETC AREA 2 (Mathematical Concepts)
  • Prerequisite: Math 20.
Emphasis is on understanding statistical methods. The major topics include frequency distributions, measures of central tendency, variation, sampling, correlation, probability, and hypothesis testing.

MATH 81, Basic Arithmetic 3 units
  • Prerequisite: None.
This course reviews basic arithmetic giving a foundation in basic math computational skills. Operations with whole numbers, fractions, decimal numbers, and applications of percent
are covered. The course is offered on a credit/no credit basis. Students enrolled in this course are required to spend time each week in the math lab.

Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements.

**MATH 84, Arithmetic Review and Pre-Algebra 3 units**

Advisory: Math 81.

This course is intended to prepare the student for elementary algebra. It assumes a thorough knowledge of arithmetic. It covers fractions, decimals, grouping symbols, the order of operations, signed numbers, exponents, the use of formulas and other pre-algebra topics. The emphasis is on concepts essential for success in algebra. Those students who only need to review basic arithmetic should consider Math 81. Students enrolled in this course are required to spend time each week in the math lab.

Course credit may not be applied toward satisfaction of Associate In Arts Degree requirements.

**MATH 88A, Independent Studies in Mathematics 1 unit**

Transfer: CSU

Please see “Independent Studies” section.

Microbiology

Please see listing under “Biological Sciences.”

Modern Languages

SMC offers courses in Chinese (Mandarin), French, German, Hebrew, Italian, Japanese, Korean, Persian (Farsi), Russian, and Spanish. Classes are listed under name of specific language.

Music

Some performance courses require auditions during the first week of class. A maximum of 12 units is allowed in performance courses. Please also see course listing in “Music History” below.

**MUSIC 1, Fundamentals of Music 3 units**

Transfer: UC*, CSU

IGETC AREA 3A (Arts)

- Prerequisite: None.

- No UC transfer credit for Music 1 if taken after Music 2.

This course provides the study of the rudiments of music notation, including scales, intervals, triads and seventh chords. Also included are rhythmic drills, sight singing and exercises using computer-assisted instruction. This course (or the equivalent) is a prerequisite for all other music theory courses.

**MUSIC 2, Musicianship 2 units**

Transfer: UC*, CSU

- Prerequisite: Music 1.

- Corequisite: Music 6.

- No UC transfer credit for Music 1 if taken after Music 2.

This course covers sight singing with the “movable do” system, keyboard harmony, in-class dictation of melodic lines, rhythmic patterns, intervals, and harmonic progressions. Also included are ear training exercises using computer-assisted instruction. Correlated with Music 6. (Diatonic Harmony)

**MUSIC 3, Musicianship 2 units**

Transfer: UC, CSU

- Prerequisite: Music 2.

- Corequisite: Music 7.

This course covers sight singing with the “movable do” system, keyboard harmony, in-class dictation of melodic lines, rhythmic patterns, intervals, and harmonic progressions. Also included are ear training exercises using computer-assisted instruction. Correlated with Music 7. (Chromatic Harmony)

**MUSIC 4, Musicianship 2 units**

Transfer: UC, CSU

- Prerequisite: Music 3.

- Corequisite: Music 8.

This course continues the study of conventional harmony by introducing secondary dominants, diminished seventh chords, dominant ninth chords, and altered chords such as the Neapolitan chord and the augmented sixth chords. The discipline of part-writing is continued, and the notions of both permanent and transient modulation presented. Correlated with Music 3. (Musicianship)

**MUSIC 5, Modulation and Analysis 3 units**

Transfer: UC, CSU

- Prerequisite: Music 4.

This course covers sight singing with the “movable do” system, keyboard harmony, in-class dictation of melodic lines, rhythmic patterns, intervals, and harmonic progressions. Also included are ear training exercises using computer-assisted instruction. Correlated with Music 5. (Modulation and Analysis)
MUSIC 10, Popular Harmony and Arranging 3 units
Transfer: CSU
- Prerequisite: Music 2 and Music 6.
  This course is the study of the harmonic idioms used in popular music and in jazz. It covers the language of chord symbols, analysis of conventional chord progressions, the writing of lead sheets, and an introduction to commercial and jazz arranging techniques.

MUSIC 12, Introduction to Music Technology 3 units
Transfer: UC, CSU
- Prerequisite: Music 2 and 6.
  This course is designed to train students in the understanding and application of music technology with emphasis on computer music notation, MIDI sequencing, and digital sound production. It will provide an overview of the various computer and audio components in the Music Department's Music Media Lab and will cover music software programs such as Encore for music notation and Vision DSP for MIDI sequencing.

MUSIC 13, Tonal Counterpoint 3 units
Transfer: UC, CSU
- Prerequisite: Music 3 and 7.
  This course is a detailed study of the contrapuntal style of the Late Baroque era. Original student work in the form of exercises and complete compositions in the 18th Century idiom is a part of the study. Analysis and performance of representative works of Bach and his contemporaries are included.

MUSIC 19, Orchestration 3 units
Transfer: CSU
- Prerequisite: Music 3 and 7.
  This course is a study of the techniques of scoring music for the standard symphonic orchestra. The ranges, colors, transpositions, and technical capabilities of the string, woodwind brass, and percussion instruments are all studied. Methods of combining the instruments into performing groups of various sizes are also covered.

MUSIC 24, Conducting (2,2) 2 units
Transfer: UC, CSU
- Prerequisite: Music 2 and 6.
  Fundamentals in conducting techniques are studied with reference to directing instrumental, and vocal organizations.

MUSIC 40, Opera Workshop (3,3,3,3) 3 units
Transfer: UC, CSU
- Prerequisite: Pre-enrollment audition required.
  Advisory: Music 50B.
  This course is designed for intermediate and advanced singers interested in developing their vocal abilities and becoming acquainted with and learning selected works from the standard operatic repertoire. The course will offer solo and ensemble experience through singing, acting, and movement leading to the public performance of operatic scenes. This is the summer version of Music 40.

MUSIC 42, Advanced Opera Production (5,5,5,5) 5 units
Transfer: UC, CSU
- Prerequisite: Pre-enrollment audition.
- Advisory: Music 50B.
  This course consists of rehearsals and performances of a full-length operatic production with orchestra. Emphasis is placed on the cooperative blending of all theatre and musical activities into a finished public performance.

MUSIC 42S, Advanced Opera Production 3 units
Transfer: UC, CSU
- Prerequisite: Pre-enrollment audition.
- Advisory: Music 50B.
  This course consists of rehearsals and performances of a full-length operatic production with orchestra. Emphasis is placed on the cooperative blending of all theatre and musical activities into a finished public performance. This is the summer version of Music 42.

MUSIC 45, Musical Theatre Workshop (3,3) 3 units
Transfer: UC, CSU
- Prerequisite: Pre-enrollment auditions required.
  Theories, techniques, and practices of musical theatre performance are studied with laboratory instruction leading to public performances. The class concentrates on preparing and performing scenes, culminating in a public performance. Music 45 is the same course as Theatre Arts 45. Students may earn credit for one, but not both.

MUSIC 50A, Elementary Voice (2,2) 2 units
Transfer: UC, CSU
- Prerequisite: None.
  This course is an introduction to the fundamental principles of singing: breath control, tone production, diction and the use of appropriate song material.

MUSIC 50B, Intermediate Voice (2,2,2,2) 2 units
Transfer: UC, CSU
- Advisory: Music 50A.
  This course is the continued development of basic technique, musicianship, style and interpretations and song repertoire.

MUSIC 52, Advanced Production – Musical Theatre (5,5,5) 5 units
Transfer: UC, CSU
- Prerequisite: Pre-enrollment auditions required.
  This course includes rehearsals and performances of the department’s musical theatre production. Dance laboratory is included.
MUSIC 53, Jazz Vocal Ensemble (2,2,2,2) 2 units
Transfer: CSU
- Prerequisite: Audition required.
Selected vocal students function as a musical ensemble. They prepare and perform vocal music in the jazz and popular idiom.

MUSIC 55, Concert Chorale (2,2,2,2) 2 units
Transfer: UC, CSU
- Prerequisite: Audition required.
The concert chorale is open to all students, subject to audition standards. The course includes study and performance of major choral works, both a cappella and accompanied.

MUSIC 57, Advanced Vocal Performance Techniques (2,2) 2 units
Transfer: UC (pending), CSU
- Prerequisite: Audition required
This course is designed for the advanced vocal student. It includes an introduction to the International Phonetic Association sound symbols and their usage in performance preparation; appropriate stylistic exercise and vocalise techniques; song form analysis; in-depth song preparation techniques; professional standards of conduct when working with other musicians; and advanced stage performance and auditioning techniques. Repertoire from the Classical, Jazz, Musical Theater, and Pop genres will be included. The course will include individual in-class performances and culminate in a final public performance of selected material. Acceptance into the course shall be by audition.

MUSIC 59, Chamber Choir (2,2,2,2) 2 units
Transfer: UC, CSU
- Prerequisite: Audition required
The chamber choir studies and performs compositions ranging from the madrigal to contemporary works suitable for small ensembles.

MUSIC 60A, Elementary Piano, First Level 2 units
Transfer: UC, CSU
- Prerequisite: None
Instruction in this course ranges from an introduction to the keyboard to the reading of simple pieces at sight in all major keys. Technical problems, basic music theory, major scales, hand-over-hand arpeggios, simple chording and an introduction to piano literature are stressed.

MUSIC 60B, Elementary Piano, Second Level 2 units
Transfer: UC, CSU
Advisory: Music 60A
Instruction in this course ranges from an introduction to major and harmonic minor scale fingerings, minor key signatures, hand-over-hand arpeggios, triad inversions, primary chord harmonization, sight-reading, and transposition. Pieces are studied with attention to basic concepts of piano technique and interpretation such as phrasing, tone, touch and dynamics.

MUSIC 60C, Elementary Piano, Third Level 2 units
Transfer: UC, CSU
Advisory: Music 60B.
In this course, technical studies, analysis of literature performed, in-depth instruction on the interpretation of literature performed, major and minor scales, hand-over-hand arpeggios, simple chord progressions (including modulation).

MUSIC 60D, Elementary Piano, Fourth Level 2 units
Transfer: UC, CSU
Advisory: Music 60C.
In this course, technical studies, analysis of literature performed, in-depth instruction on the interpretation of literature performed, major and minor scales, hand-over-hand arpeggios, simple chord progressions (including modulation).

MUSIC 61A, Intermediate Piano, Fifth Level (2,2) 2 units
Transfer: UC, CSU
Advisory: Music 60D.
This course is a study of intermediate-level original piano compositions by master composers. It includes technical studies, analysis of literature performed, in-depth instruction on the interpretation of literature performed, major and minor scales, (4 octaves, hands together), major and minor arpeggios, (3 octaves, hands together), chord progressions, and harmonization.

MUSIC 61B, Intermediate Piano, Sixth Level (2,2) 2 units
Transfer: UC, CSU
Advisory: Music 61A.
A study of upper intermediate and early advanced levels of piano concentrates on the study of upper intermediate and early advanced levels of original piano compositions by master composers. It includes technical studies, analysis of literature performed, in-depth instruction on the interpretation of literature performed, major and minor scales, (4 octaves, hands together), major and minor arpeggios, (4 octaves, hands together), chord progressions, and harmonization.

MUSIC 63, Sight Reading at Keyboard (2,2,2,2) 2 units
Transfer: CSU
Advisory: Music 61A or Music 61B.
This is a course to develop sight reading (Prima Vista) skills. It is intended for students who can play pieces that have been practiced repeatedly (or memorized), but who cannot perform music being seen for the first time with any degree of ease or confidence.

MUSIC 64, Piano Ensemble (2,2,2,2) 2 units
Transfer: UC, CSU
Advisory: Music 61A or Music 61B.
Student must have the ability to sight read adequately.
In this course, technical studies, analysis of literature performed, in-depth instruction on the interpretation of literature performed, major and harmonic minor scales, hand-over-hand arpeggios, (3 octaves, hands together), chord progressions, and harmonization.
advanced pianists interested in performing standard literature by master composers for duo piano (two players/2 pianos, piano duet (2 players/1 piano), and piano quartet (4 players/2 pianos). It will cover music written for this medium from the 18th century to the present. The course will offer public performances in piano ensemble and will require extensive outside preparation.

**MUSIC 65A, Keyboard Improvisation I** 2 units
Transfer: UC, CSU
Advisory: Music 60C.
Instruction includes 7th, 9th, and 13th chords, their voicing, and use in jazz standards and blues. Arrangements are notated. Familiarity with music theory and chord structure is recommended.

**MUSIC 65B, Keyboard Improvisation II** 2 units
Transfer: UC, CSU
Advisory: Music 65A.
This course consists of a continuation and application of material studied in Music 65A, including all 7th, 9th, 11th, and 13th chords, their voicing, and use in jazz standards and blues.

**MUSIC 66, Fundamentals of Music and Elementary Piano** 5 units
Transfer: UC (pending), CSU
IGETC: 3A (pending)
Prerequisites: None.
This course combines the study of the rudiments of music theory with an introduction to the keyboard. Included is the knowledge of music notation, scales, intervals, triads and seventh chords, rhythmic drills and sight singing. Piano studies include technical exercises, major scales, hand-over-hand arpeggios, simple chording and an introduction to piano literature. The fundamental of music component of this course (or the equivalent) is a prerequisite for all other music theory courses. The piano component (or the equivalent) is a prerequisite for all other piano courses.

**MUSIC 70A, String Instrument Techniques (2,2)** 2 units
Transfer: UC, CSU
Prerequisite: None.
This course provides instruction in and reinforcement of the basic techniques needed to play the instruments of the orchestral string family (violin, viola, cello and bass). Included are hand position, bow hold, fingerings, intonation, and posture.

**MUSIC 70B, Intermediate Strings Techniques (2,2)** 2 units
Transfer: UC, CSU
Advisory: Music 70A.
This course is designed as an intermediate level class to continue development of the skills needed to play bowed string instruments (violin, viola, cello, string bass) and to improve reading skills. This course will offer a first level ensemble experience with emphasis on precision, intonation, balance, and blend. A separate time will be scheduled to help prepare more advanced students for the orchestra.

**MUSIC 71, Woodwind Instrument Techniques (2,2)** 2 units
Transfer: UC, CSU
Prerequisite: None.
This course provides instruction in and reinforcement of the basic technical skills needed to play instruments of the woodwind family, including embouchure development, standard and auxiliary fingerings, hand position, posture, and diaphragmatic breathing. Instruments of the woodwind family include flute, clarinet, oboe, bassoon, and bass clarinet.

**MUSIC 72, Brass Instrument Techniques (2,2)** 2 units
Transfer: UC, CSU
Prerequisite: None.
This course is the study of fundamental techniques, including tone production, fingerings, embouchure, and hand position of standard brass instruments which include trumpet, horn, euphonium, trombone, and tuba.

**MUSIC 73A, Percussion Instrument Techniques (2,2)** 2 units
Transfer: UC, CSU
Prerequisite: None.
This course provides instruction in the basic techniques of concert percussion, emphasizing snare drum and orchestra bells. Techniques of other instruments, including bass drum, cymbals, triangle, tambourine, and timpani will be demonstrated. Students will play individually and in small ensembles.

**MUSIC 73B, Intermediate Percussion Ensemble Instrument Techniques (2,2)** 2 units
Transfer: UC, CSU
Advisory: Music 73A.
This course includes instruction in percussion and snare drum at a more advanced level than given in Music 73A. Additional instruction will be given in other percussion instruments, such as bass drum, cymbals, timpani, and tambourine. Class rehearsal as well as outside preparation will lead to public performance.

**MUSIC 74, Orchestra (2,2,2,2)** 2 units
Transfer: UC, CSU
Prerequisite: Audition required.
This course provides study of musical style and rehearsal techniques as they relate to the performance of orchestra literature. Ability to play an orchestral instrument is required.

**MUSIC 74S, Orchestra (2,2,2,2)** 0.5 unit
Transfer: UC, CSU
Prerequisite: None.
This course provides study of musical style and rehearsal techniques as they relate to the performance of orchestra literature. Ability to play an orchestral instrument is required.

**MUSIC 76, Intermediate Brass, Woodwinds, and Percussion (2,2,2,2)** 2 units
Transfer: UC, CSU
Advisory: Music 71, 72, or 73.
This course is designed as an intermediate level class to
continue skill development of the individual brass, woodwind, and percussion instruments and improve reading skills. The course will offer a first-level ensemble experience with emphasis directed to precision, intonation, balance, and blend.

**MUSIC 77, Concert Band (2,2,2,2) 2 units**
Transfer: UC, CSU
- **Prerequisite:** None.
This course provides study and performance of musical literature written for band with emphasis on style and rehearsal technique as they relate to the performance of band literature. Ability to play a band instrument is required.

**MUSIC 77M, Marching Band (2,2) 2 units**
Transfer: CSU
- **Prerequisite:** Ability to satisfactorily play a band instrument.
The band represents the college in many public functions, which includes performing standard and specially arranged band literature in concerts and at athletic events and parades.

**MUSIC 77S, Concert Band (2,2,2,2) 2 units**
Transfer: CSU
- **Prerequisite:** None.
This course provides study and performance of musical literature written for band with emphasis on style and rehearsal technique as they relate to the performance of band literature. Ability to play a band instrument is required.

**MUSIC 78, Jazz Ensemble (2,2,2,2) 2 units**
Transfer: UC, CSU
- **Prerequisite:** Audition required.
This course provides rehearsal and performance of literature written for large jazz ensembles with emphasis on methods and materials. Musical materials include published arrangements of standard tunes, special arrangements of standard tunes, and contemporary compositions in the jazz idiom selected according to the ability of the group. Ability to play an instrument and instructor's approval are required.

**MUSIC 78S, Jazz Ensemble (.5,.5,.5,.5) 0.5 unit**
Transfer: CSU
- **Prerequisite:** Audition required.
This course provides rehearsal and performance of literature written for large jazz ensembles with emphasis on methods and materials. Musical materials include published arrangements of standard tunes, special arrangements of standard tunes, and contemporary compositions in the jazz idiom selected according to the ability of the group. Ability to play an instrument and instructor's approval are required.

**MUSIC 84A, Popular Guitar, First Level (2,2) 2 units**
Transfer: UC, CSU
- **Prerequisite:** A guitar in good playing condition.
This course includes the study and performance of popular guitar styles in the range of beginning to intermediate skills of music reading, interpretation, and performance.

**MUSIC 84B, Popular Guitar, Second Level (2,2,2,2) 2 units**
Transfer: UC, CSU
- **Prerequisite:** Audition required.
- **Corequisite:** Music 94; Music 40, 42, 45, 52, 53, 55, 59, 64, 74, 76, 77 or 78.
Auditions will be held. For information call SMC Music Department at 434-4323 or http.www.smc.edu/music. Students will be assigned section numbers after acceptance into the program.
This course is designed to provide students with individual instruction in the applied areas of instrumental performance, vocal performance, and composition. The two units of credit require a weekly one-hour private lesson and five hours of individual practice per week.

**MUSIC 84C, Popular Guitar, Third Level (2,2,2,2) 2 units**
Transfer: UC, CSU
- **Advisory:** Music 84A.
- **Prerequisite:** A guitar in good playing condition.
This course includes finger styles as found in folk, rock, jazz, and their variations.

**MUSIC 84D, Classical and Flamenco Guitar, First Level (2,2) 2 units**
Transfer: UC, CSU
- **Prerequisite:** Nylon strung classical guitar in good condition.
This course focuses on music reading in first position from beginning to intermediate level and on right and left hand skills.

**MUSIC 84E, Classical and Flamenco Guitar, Second Level (2,2,2,2) 2 units**
Transfer: UC, CSU
- **Advisory:** Music 84D and a nylon strung classical guitar in good condition.
Objective includes the study and performance of intermediate classic literature in preparation for the state university and University of California standards.

**MUSIC 88A, Independent Studies in Music 1 unit**
Transfer: CSU
- Please see "Independent Studies" section.

**MUSIC 88B, Independent Studies in Music 2 units**
Transfer: CSU
- Please see "Independent Studies" section.

**MUSIC 92, Applied Music Instruction (2,2,2,2) 2 units**
Transfer: UC, CSU
- **Prerequisite:** Audition required.
- **Corequisite:** Music 94; Music 40, 42, 45, 52, 53, 55, 59, 64, 74, 76, 77 or 78.
Auditions will be held. For information call SMC Music Department at 434-4323 or http.www.smc.edu/music. Students will be assigned section numbers after acceptance into the program.
This course is designed to provide students with individual instruction in the applied areas of instrumental performance, vocal performance, and composition. The two units of credit require a weekly one-hour private lesson and five hours of individual practice per week.
MUSIC 94, Concert Music Class (1,1,1,1) 1 unit
Transfer: UC, CSU
- Prerequisite: Audition required.
- Corequisite: Music 92; Music 45, 52, 53, 55, 59, 74, 76, 77, or 78.
This course is designed to provide students with class performance/instruction in the applied areas of instrumental performance, vocal performance, and composition.

Music History and Appreciation

MUSIC 30, Music History I 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.
This course is a survey of music in Western Civilization from Antiquity through Baroque (approximately 800 BC to 1750 AD). Emphasis is placed upon the principal composers and their works related to the history and philosophy of each stylistic period and interrelationships with the arts and humanities in general. The stylistic periods covered include Graeco-Roman, Romanesque, Gothic, Renaissance, and Baroque. The course is designed for the music major, but open to all.

MUSIC 31, Music History II 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.
This course is a survey of music in Western Civilization from the Rococo Period (about 1725) to the present. Emphasis is placed upon the principal composers and their works related to the history and philosophy of each stylistic period and interrelationships with the arts and humanities in general. The stylistic periods covered include Rococo, Classical, Romantic, Impressionist, and the diverse directions of the 20th and 21st centuries. The course is designed for the music major, but open to all.

MUSIC 32, Appreciation of Music 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.
This course is designed for the non-major. It utilizes a broad approach to musical literature, primarily of the 16th through 20th centuries, and its place in the cultural development of Western Civilization. It provides the tools for a basic understanding of music; an awareness of the primary musical styles, comprehension of the building blocks of music, and development of an attentive style of listening.

MUSIC 33, Jazz in American Culture 3 units
Transfer: UC (meets UC Berkeley American Cultures graduation requirement), CSU
IGETC AREA 3A (Arts)
- Prerequisite: None.
This course satisfies Santa Monica College's American Cultures requirement.
This course concentrates on the origin, development and major musical styles of jazz music in American culture with significant emphasis placed on the sociopolitical and economic realities that resulted in shaping the musical decisions of the primary innovators. This course will further illustrate how the multicultural interaction of the African American, European American and Chicano/Latino communities has been, and continues to be, an essential component for the existence and proliferation of this uniquely American art form. Designed for the non-music major.

MUSIC 34, Survey of Piano Music 3 units
Transfer: UC, CSU
- Prerequisite: None.
This course is an examination of the history of the piano and the music written for it. It is an ideal companion for any of the elementary or intermediate piano courses and a good introductory music course for any student with an interest in keyboard music. The course is designed for a student with no previous musical knowledge or experience.

MUSIC 35, Women in Music 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts and Humanities)
- Prerequisite: None.
This is a survey course for non-majors which examines the lives and works of women composers and performers within their social, cultural, and musical contexts in the history of Western music from ancient Greece to the present. The course will consist of lecture, discussion, and guided and independent listening.

MUSIC 36, History of Rock Music 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts and Humanities)
- Prerequisite: None.
This course is a musical and cultural survey of popular music widely referred to as Rock & Roll. Musical trends are followed from influential traditions of early blues and jazz at the beginning of the twentieth century and include the emergence of Rock & Roll in the early 1950's, Motown, the "British Invasions," Art Rock, Heavy Metal, Punk, Rap and Hip-Hop, Techno, Grunge, Electronica, Garage Rock, and Modern Rock.

MUSIC 37, Music in American Culture 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts)
- Prerequisite: None.
This course satisfies Santa Monica College's American Cultures requirement.
A comparative and integrative study of the multicultural musical styles of the United States. It includes the music of Native Americans, European Americans, African Americans, Chicano and Latin Americans, and Asian Americans from their historical roots to the present. Analysis of music traditions from a technical and cultural perspective and development of listening and descriptive skills through a variety of media including recordings, films, and video. The course is open to all regardless of previous musical background or experience.
**MUSIC 39, History of Opera** 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts)
- **Prerequisite:** None.

The history of opera from Monteverdi ORFEO (1607) to the present is covered in this class. A brief study of the Lyric Theatre of the Greeks, the immediate forerunners of Opera and the early Italian operatic composers are also discussed.

**Nursing**

**NURSNG 10, Nursing Skills** 2 units
Transfer: CSU
- **Prerequisite:** Admission to Nursing Program: Anatomy 1, English 1, Microbiology 1, Physiology 3.

The focus of this introductory nursing fundamental course is to provide the beginning student with a conceptual basis in meeting self-care deficits of older adults in a non-acute environment. Emphasis is placed on assisting the student in learning to use Orem’s Self Care Model and the nursing process as an underlying framework for the development of critical thinking while implementing basic nursing care.

**NURSNG 10L, Nursing Skills Laboratory** 2 units
Transfer: CSU
- **Prerequisite:** Admission to Nursing Program: Anatomy 1, English 1, Microbiology 1, Physiology 3.

The focus of this clinical course is to provide the opportunity for skill performance and transfer of theory to the clinical setting. The clinical setting will include the Health Sciences Learning Center laboratory and non-acute clinical environments with focus on the older adult.

**NURSNG 15, Nursing Fundamentals** 2 units
Transfer: CSU
- **Prerequisite:** Nursing 10, 10L and 36.
- **Corequisite:** Nursing 15L.

The focus of this nursing fundamentals course is to provide the continuing student with opportunities to develop competencies in providing nursing assistance to meet patient/client self-care deficits. Students will utilize the nursing process and the Orem’s Self-Care Model as the framework to apply critical thinking skills while implementing nursing care for adults. Medical-Surgical nursing content will be introduced with the focus on fluid volume imbalance, peri-operative care and genito-urinary health deviations. Nursing care will be provided to adults and older adults in acute and non-acute environments. The companion clinical course, Nursing 15L must be taken concurrently.

**NURSNG 15L, Nursing Fundamentals Laboratory** 2 units
Transfer: CSU
- **Prerequisite:** Nursing 10, 10L and 36.

The focus of this nursing laboratory course is to provide the continuing student with the opportunity for application of theoretical knowledge to the provision of client care in the clinical setting. Students will begin to utilize critical thinking skills as they apply theoretical concepts to clinical practice while implementing nursing care for adults and older adults. Nursing care will be provided to adults and older adults in acute and non-acute environments.

**NURSNG 16, Physical Assessment** 1 unit
- **Prerequisite:** Nursing 10, 10L or equivalent.

The focus of this course is to enable the student to further develop techniques of physical assessment. It includes a description of fundamental assessment techniques including measurement of vital signs, then details assessment procedures and findings for specific body systems. The examination techniques presented are related primarily to adult patients. Gerontological considerations are included for each body system, with a focus on identifying normal age-related variations.

**NURSNG 17, Pharmacological Aspects of Nursing** 3 units
Transfer: CSU
- **Prerequisite:** None.

This as an introductory course in pharmacology designed to enable the student to recognize the various classes of drugs used in modern medicine. It includes a brief review of anatomy and physiology, how drugs exert their effects, the major indication for drug use, routes of administration, expected and adverse drug effects, precautions and contraindications. Emphasis is on prescription drugs, but over the counter medications are also included.

**NURSNG 19, Orientation to Advanced Placement – ADN Program** 2 units
Transfer: CSU
- **Prerequisite:** Eligible for Advanced Placement.

The focus of this course is to orient the advanced placement nursing student, the foreign trained nurse, or equivalent, to the philosophy and expectations of the second year of the registered nursing program. Special emphasis is placed on having the student utilize the Orem’s Self-Care Model and the nursing process in planning, implementing, and evaluating the nursing care of patients through case studies.

**NURSNG 20, Introduction to Medical-Surgical Nursing** 2 units
Transfer: CSU
- **Prerequisite:** Nursing 15, 15L.

This course must be taken concurrently with the laboratory component, Nursing 20L and Nursing 17.

The focus of this course is on the pathophysiology and required nursing assistance for adult patients, including the geriatric patient, with acid-base imbalances, electrolyte imbalances and related endocrine health deviations. Universal self-care requisites are applied to specific client groups requiring nursing care to manage hypertension and peripheral vascular disease. The pathophysiology and required nursing assistance for clients with health deviations affecting the musculoskeletal system, and the eye and ear are also explored. Special emphasis is placed on having the student utilize Orem’s Self-Care Model and the nursing process in planning, implementing and evaluating nursing care of selected patients. Strategies to promote critical thinking will serve as the foundation for making nursing care decisions.
NURSNG 20L, Introduction to Medical-Surgical Nursing Laboratory 2 units

Transfer: CSU
- Prerequisite: Nursing 20 and 20L (or Nursing 19 and Advanced Placement).

This course must be taken concurrently with Nursing 20.

The focus of this nursing laboratory course is to provide the student with the opportunity to apply essential medical-surgical knowledge and skills to the provision of client care in the clinical setting. Students will utilize critical thinking, therapeutic communication, and Orem's self-care model when providing nursing care for the adult and older adult with electrolyte, acid-base, and endocrine imbalances; and musculoskeletal, hypertensive, peripheral vascular and sensory health deviations. Nursing care will be provided in acute and community settings.

NURSNG 25, Psychiatric – Mental Health Nursing 1.5 units

Transfer: CSU
- Prerequisite: Nursing 20 and 20L (or Nursing 19 and Advanced Placement).

This course must be taken concurrently with Nursing 25L.

The focus of this specialty course is to introduce the nursing student to the principles of psychiatric-mental health nursing as applied to patients across the life span. Emphasis will be placed on meeting self-care deficits of patients exhibiting symptoms of common psychiatric disorders and patients experiencing emotional responses to stress and illness. This course will cover concepts of mental health, mental illness, stress, and coping, assessment of common psychiatric disorders, biological and psychosocial modes of intervention, and therapeutic nursing responses.

NURSNG 25L, Psychiatric Mental Health Nursing Laboratory 1.5 units

Transfer: CSU
- Prerequisite: Nursing 20 and 20L (or Nursing 19 and Advanced Placement).
- Advisory: Speech 5 and Psychology 19.

This course must be taken concurrently with Nursing 25.

The focus of this nursing laboratory course is to provide the student with the opportunity to apply theoretical knowledge to patient care in the clinical setting. Students will utilize critical thinking strategies, therapeutic communication skills, and Orem's self-care model when providing nursing care to patients manifesting behaviors of psychiatric disorders. The clinical setting will include acute psychiatric facilities and non-acute community mental health programs.

NURSNG 28, Community-Based Nursing Practice 1 unit

- Prerequisite: Nursing 20 and 20L or Nursing 19 and Advanced Placement.

This course provides the nursing student with the opportunity to apply the nursing process to care for individuals and groups where they live, work, go to school, or as they move through the health care system. The emphasis is on health promotion, assessment of universal self-care requisites, and management of chronic conditions. Clinical practice and validation opportunities are provided in home health, outpatient, and ambulatory care settings.

NURSNG 30, Intermediate Medical-Surgical Nursing 2.5 units

Transfer: CSU
- Prerequisite: Nursing 25 and 25L or Nursing 19 and Advanced Placement.

Nursing 30 and 30L must be taken concurrently.

This course presents increasingly complex concepts involving adults with both medical and surgical health deviations and the required nursing assistance. It utilizes Orem's Self-Care Model in meeting health deviation needs of the patient experiencing gastrointestinal, renal, oncological, hematological, female reproductive, and immune system disorders. The universal self-care requisites are assessed and evaluated. Emphasis is placed on the development of a broad, scientific knowledge base including reasoning, judgment, communication, critical thinking, and professional role development. The nursing process and professional role development are used as an organization and practice framework. Gerontology concepts are presented along with health promotion and health maintenance strategies.

NURSNG 30L, Intermediate Medical-Surgical Nursing Laboratory 2.5 units

Transfer: CSU
- Prerequisite: Nursing 25 and 25L, Nursing 28.

Nursing 30 and 30L must be taken concurrently.

The focus of this nursing laboratory course is to provide the continuing student with the opportunity to apply increasingly complex medical-surgical concepts of care for adults with health deviations. Students will assess, plan, provide, and evaluate the provision of nursing assistance in the clinical laboratory. The Orem's Self-Care Model will be used as a framework to safely meet nursing needs of the patient with gastrointestinal, renal, oncological, hematological, female reproductive, and immune system disorders. Students will assess the adult and older adult's self-care requisites, determine the therapeutic self-care demand, and apply the nursing process. Professional role development is integrated throughout, along with application of critical thinking, communication theory, clinical judgment, and sound reasoning. Laboratory experiences will be held in the acute care or community setting.

NURSNG 35, Advanced Medical-Surgical Nursing 2.5 units

Transfer: CSU
- Prerequisite: Nursing 30 and 30L or Nursing 19 and Advanced Placement.

Nursing 35 and 35L must be taken concurrently.

The focus in this course is to enable the student to develop competencies in understanding complex health problems and managing health deviations related to the neurosensory, cardiovascular, and respiratory disorders and the burn injury patient. Students will utilize Orem’s Self-Care Model and the nursing process in assessing self-care requisites of selected patients. Students will determine the therapeutic self-care demand and design a plan of care that promotes the optimal level of function of adults and older adults with complex health problems. Principles of delegation are explored.
NURSNG 35L, Advanced Medical-Surgical Nursing Laboratory 2.5 units
Transfer: CSU
- Prerequisite: Nursing 30 and 30L or Nursing 19 and Advanced Placement.
Nursing 35 and 35L must be taken concurrently.

The purpose of this course is to facilitate the transition from student nurse to the role of entry-level staff nurse. Emphasis is on the theoretical concepts of leadership and management. The student will integrate knowledge and skills pertinent to the role of manager of care for a group of patients and members of the health care team. The role of manager incorporates delegation, priority setting, legal-ethical issues, and health care delivery systems. Issues and trends relevant to professional nursing will be explored.

NURSNG 40L, Nursing of Children Lab 1.5 units
Transfer: CSU
- Prerequisite: Nursing 35, Nursing 35L, and Psychology 19 (or Nursing 19 and Advanced Placement).
Nursing 40 and 40L must be taken concurrently.

The pediatric clinical experience provides opportunities to assist the nursing student in planning and managing nursing assistance for hospitalized pediatric patients with common health deviations. The learner will have opportunities to demonstrate competency in the application of critical thinking to aid in decision-making, organizational skills, nursing theory, and concepts. Implementation strategies reflect increasing breadth and depth of theory and utilization of therapeutic communication techniques appropriate for the pediatric population.

NURSNG 45, Women's Health Care 1.5 units
Transfer: CSU
- Prerequisite: Nursing 35, Nursing 35L, and Psychology 19 (or Nursing 19 and Advanced Placement).
Nursing 45 and 45L must be taken concurrently.

This course utilizes Orem's Self Care Model as a framework to assess the special needs of women and manage their health care throughout the lifespan. Emphasis is placed on the enhancement of critical thinking skills to promote health of the childbearing family during the antepartum, intrapartum, and postpartum periods. Focus is on the normal process of childbearing and newborn care and includes discussion of high-risk maternal and perinatal conditions. Therapeutic communication techniques are integrated that recognize the unique relationship of the perinatal nurse and the childbearing family. Course content builds upon previously acquired medical/surgical concepts, professional role, and leadership behaviors.

NURSNG 45L, Women's Health Care Lab 1.5 units
Transfer: CSU
- Prerequisite: Nursing 35, Nursing 35L, and Psychology 19 (or Nursing 19 and Advanced Placement).
Nursing 45 and 45L must be taken concurrently.

The focus of this nursing laboratory course is to provide the student with the opportunity to apply the self-care model when managing the care of women across the lifespan. Students will assess, plan, provide, and evaluate care of women during the childbearing experience in the clinical setting. Opportunities will be provided to allow the student to enhance critical thinking skills while promoting women's health behaviors. Students will utilize therapeutic communication strategies in all interactions with clients while providing care. Laboratory experiences will occur in the acute care setting and will build upon previously acquired medical/surgical concepts, professional, and leadership behaviors.

NURSNG 50, Professional Role Transition 1 unit
Transfer: CSU
- Prerequisite: Nursing 45 and Nursing 45L.

The purpose of this course is to facilitate the transition from student nurse to the role of entry-level staff nurse. Emphasis is on the implementation of theoretical concepts of leadership and management. This course will allow the student to apply knowledge and skills pertinent to the role of manager of care for a group of patients and members of the health care team. The role of manager incorporates delegation, priority setting, legal-ethical issues, and health care delivery systems. Issues and trends relevant to professional nursing will be explored.
team. The role of manager incorporates delegation, priority setting, legal ethical considerations, and health care delivery.

**NURSNG 90A, Nursing Internship 1 unit**

*Transfer: CSU*

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with “real life” experience in their field of study and the workplace. Students work in an approved internship to develop their understanding of their field of study and their ability to apply their knowledge.

**NURSNG 90B, Nursing Internship 2 units**

*Transfer: CSU*

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with “real life” experience in their field of study and the workplace. Students work in an approved internship to develop their understanding of their field of study and their ability to apply their knowledge.

**Nursing - Noncredit**

The courses below are intended for students enrolled in the Santa Monica College nursing program.

**NURSNG 900, Supervised Tutoring 0 units**

The purpose of this course is to provide additional assistance to nursing students, enrolled in the Santa Monica College Nursing Program, in order to facilitate the core concepts taught in the courses in the curriculum. The course will assist the student in assessing their comprehension of the content taught in the nursing course(s) and facilitate the transfer of nursing concepts. A stimulating learning environment will be created for active communication and interaction among students and instructor. The learning environment will provide an opportunity for students to verbalize their thinking, understanding of underlying pathophysiology and its relevance to the therapeutic regime and therapeutic nursing interventions.

**Nutrition**

*Please see listing under “Biological Sciences.”*

**Occupational Therapy**

**OT 1, Introduction to Occupational Therapy 2 units**

*Transfer: CSU*

- *Prerequisite: None.*

This course introduces students to the professional field of occupational therapy (OT). It explores the philosophy and practice of occupational therapy (helping people with disabilities regain independence). It defines occupational therapy within a continuum of health care, delineates OT professional levels, describes practice settings, ethics, education and training requirements, and current practice trends.

**Office Information Systems**

*Please see listing under “Office Technology.”*

**Office Technology**

The classes listed under “Office Technology” were formerly listed under “Office Information Systems.”

**OFTECH 1, Keyboarding I 3 units**

*Transfer: CSU*

This course is designed to teach keyboard mastery by touch, improve speed and accuracy, and use Microsoft Word to create and revise business documents. Proofreading skill development is also included.

**OFTECH 1A, Keyboarding 1A 1 unit**

*Transfer: CSU*

This course is intended for students without previous keyboarding instruction. Emphasis is on keyboard mastery, correct keyboarding techniques, and proofreading skills.

**OFTECH 1B, Keyboarding 1B 1 unit**

*Transfer: CSU*

- *Prerequisite: Office Technology 1A.*

Students develop speed and accuracy. Emphasis is on using Microsoft Word to produce letters, memos, tables, and reports.

**OFTECH 1C, Keyboarding 1C 1 unit**

*Transfer: CSU*

- *Prerequisite: Office Technology 1B.*

Students develop speed and accuracy. Emphasis is on using Microsoft Word to produce business correspondence, reports, and employment documents.

**OFTECH 5, English Skills for the Office 3 units**

*Transfer: CSU*

- *Prerequisite: None.*

This course is designed to review principles of grammar, punctuation, capitalization, and number format; improve vocabulary and spelling; and develop proofreading and editing skills. Word Processing software is used to create and revise business documents.

**OFTECH 5A, Grammar and Punctuation 1 unit**

*Transfer: CSU*

- *Prerequisite: None.*

This course is designed to review principles of grammar and punctuation. The course is taught on an open-entry, self-paced basis and may be completed in five weeks.
OFTECH 5B, Spelling and Vocabulary 1 unit
Transfer: CSU
• Prerequisite: None.
This course is designed to review spelling and vocabulary. Topics include prefixes, suffixes, homonyms, specialized vocabularies, and spelling guides. The course is taught on an open-entry, self-paced basis and may be completed in five weeks.

OFTECH 5C, Proofreading 1 unit
Transfer: CSU
• Prerequisite: None.
This course is designed to develop proofreading skills. Emphasis is placed on improving skills in word division, formatting, grammar, punctuation, capitalization, and word confusions. This course is taught on an open-entry, self-paced basis and may be completed in five weeks.

OFTECH 9, Keyboarding Improvement (1,1,1) 1 unit
Transfer: CSU
• Prerequisite: None.
Emphasis is on speed and accuracy development, keyboarding technique, and proofreading skills. This course is repeatable up to three units.

OFTECH 10, Skill Building on the Keyboard 3 units
Transfer: CSU
Prerequisites: Office Technology 1, 1C or keyboarding skills of 35 words per minute.
Computers are used in all work environments. To function efficiently, computers users must be able to input data on a computer keyboard quickly and accurately. This course is designed to develop the computer keyboarding skills that are required to function in the workplace.

OFTECH 20, Medical Vocabulary 3 units
Prerequisite: None.
This course is designed to develop medical vocabulary skills. Topics include word parts (roots, combining forms, prefixes, and suffixes), body structure, major body systems, and pharmacology. HIPAA (Health Insurance Portability and Accountability Act) guidelines and Internet research tools are also discussed.

OFTECH 21, Medical Terms and Transcription 1 3 units
• Prerequisite: None.
This is a beginning course in operating transcribing machines to produce medical documents. Students learn to transcribe, proofread, and edit a variety of medical documents, including chart notes, history and physical reports, consultations, office procedure notes, and X-ray reports. Emphasis is on vocabulary development related to major body systems, formatting, and language skills.

OFTECH 22, Medical Terms and Transcription 2 3 units
• Prerequisite: Office Technology 21
This is an advanced course in medical terms and transcription. Organized by medical specialty, reports and records transcribed include history and physical examination, operative, pathology, radiology, discharge summary, consultation, and progress notes. Emphasis is on refining transcription skills and developing a more extensive medical vocabulary. The use of medical references is also discussed.

OFTECH 23, MediSoft 3 units
• Prerequisite: None.
This course teaches students to use MediSoft, a popular medical billing accounting software program. Students learn to enter patient and case information, schedule appointments, process transactions, and produce reports and patient statements.

OFTECH 24, Medical Coding/Billing 1 3 units
• Prerequisite: None.
Coding is defined as the translation of diagnoses, procedures, services, and supplies into numeric and/or alphanumeric components for statistical reporting and reimbursement purposes. This course introduces students to ICD-9-CM, CPT, and HCPCS coding procedures.

Overseas Programs
Santa Monica College is a member of the College Consortium for International Studies (CCIS) and offers more than 30 overseas study programs around the world. Destinations include Argentina, Austria, Bulgaria, Canada, China, Costa Rica, Czech Republic, Ecuador, England, France, Germany, Greece, Hungary, Ireland, Israel, Italy, Jamaica, Japan, Korea, Mexico, Morocco, New Zealand, Peru, Portugal, Russia, Scotland, Spain, and Switzerland.
The Overseas Program Office is in the International Education Center. You can reach us at (310) 434-4342 or visit www.smc.edu/international. Remember, studying abroad is not a foreign idea!

Persian
Additional hours to be arranged in the Modern Language Lab for Persian 1 and 2.

PERSIN 1, Elementary Persian I 5 units
Transfer: UC, CSU
IGETC Foreign Language (required for UC only)
• Prerequisite: None.
This course introduces basic vocabulary and the fundamentals of modern Persian grammar, structure, and pronunciation as well as reading, writing, and speaking. Using natural and audio-lingual approaches, the course prepares students to hold simple conversations in Persian and write short descriptive compositions. Aspects of Persian culture and history, and geography are covered as well. Students are required to review multimedia materials (audio and video) in the Language Lab.
PERSIN 2, Elementary Persian II 5 units
Transfer: UC, CSU
IGETC Foreign Language (required for UC only)
- Prerequisite: Persian 1*.

This course is a continuation of Persian I. It elaborates on the fundamentals of modern Persian grammar, structure, and pronunciation and develops reading, writing, and speaking skills. Aspects of Persian culture and history are covered as well. The latter includes simple passages from different genres in Persian literature. This is applicable to students’ level and reinforces the process of language acquisition.

*The prerequisite for this course is comparable to two years of high school Persian

Philosophy

PHILOS 1, Knowledge and Reality 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course introduces students to the analysis of various metaphysical and epistemological questions and problems in philosophy, typically including, the nature and limits of knowledge, the existence of God, the Mind-Body Problem, the Freedom vs. Determination debate, and the Absolutism vs. Relativism debate. Related topics in ethics may also be included.

PHILOS 2, Ethics 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course provides an introduction to the nature of ethical theory (moral philosophy), an analysis of significant ethical theories, and an exploration of the problems encountered in the continuing quest for a satisfactory ethical theory for contemporary society. Some of the main topics in normative ethics and meta-ethics are covered.

PHILOS 3, Early Philosophers 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This historical introduction to philosophy traces the development of Western philosophy from the early Greeks through the Middle Ages. The ideas which have influenced the development of Western culture are emphasized.

PHILOS 4, Modern Philosophers 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This study of the principal philosophical developments since the Renaissance emphasizes the relation of philosophy to the growth of science and social and cultural changes in the modern period.

PHILOS 5, Contemporary Moral Conflicts 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course is a philosophic examination of major ethical debates in contemporary American society. Topics may include capital punishment, abortion, euthanasia, racial and sexual equality, affirmative action, sexual morality, pornography, “victimless crimes,” bio-medical research, animal rights, and environmental issues. Preparatory to those investigations, time is devoted to studying some of the most important moral theories and various types of moral reasoning.

PHILOS 6, Philosophy of Science 3 units
Transfer: UC, CSU
IGETC AREA 3H (Humanities)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course is a general introduction to the study of the philosophy of science, aimed at fostering an enhanced awareness of the philosophical aspects and implications inherent in the scientific enterprise. The central concepts and methodology of science will be analyzed, and philosophical issues arising within selected branches of science will be examined. Specific episodes taken from the history of science will be regularly employed to illustrate and elucidate these general ideas. A background in philosophy or the physical sciences is helpful but not a requirement for this course.

PHILOS 7, Logic and Critical Thinking 3 units
Transfer: UC, CSU
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

A course in general logic emphasizing its applications to practical situations. The course covers both inductive and deductive techniques.

PHILOS 9, Symbolic Logic 3 units
Transfer: UC, CSU
- Prerequisite: None.

This is a beginning course in modern logic covering symbolic notation and translations, and decision procedures for validity and invalidity of arguments in sentential logic and predicate logic.

PHILOS 10, Bio-ethics 3 units
Transfer: UC, CSU
IGETC AREA 3B (Arts and Humanities)
- Prerequisite: None.

This is an introduction to moral philosophy as applied to a range of normative issues raised by contemporary biology and medicine. The course introduces the main moral theories and strategies for moral decision-making, and such topics as assisted or alternative reproduction, abortion, cloning and genetic engineering, suicide, euthanasia and physician-assisted suicide, animal and human experimentation, research, practitioner-patient relationships, and allocation of scarce medical resources.
PHILOS 11, Philosophy of Art and Aesthetics 3 units
Transfer: UC (pending), CSU
• Skills Advisory: Eligibility for English 1
An introductory-level survey of some of the philosophical questions that arise from contemplation of art and the artistic process. The main theories of art and beauty will be interpreted and evaluated with respect to the relevance each has for contemporary society. Among the philosophical theories to be discussed will be formalism, subjectivism, representationalism, and intentionalism. Attempts at defining art from various institutional perspectives (legal, religious, art world) will be explored, as well. Principles and philosophical theories concerning art and beauty will be applied to various works of art in the major fields including, but not limited to, painting, music, dance, sculpture, and theatre. The significance of aesthetic experience and its relevance to life will be examined. The role of the artist and the artist's intention in the creative process will also be analyzed in this course.

PHILOS 22, Asian Philosophy 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
The cultural settings and basic concepts of the major philosophical and religious systems of India, China, and Japan are studied. Rituals and literature are used to compare and contrast Asian and non-Asian belief systems.

PHILOS 23, Philosophy of Religion 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
This is an introduction to several traditional philosophical problems connected with religious belief. Among the issues to be discussed are the existence and nature of God, the problem of evil, the nature of religious language, religious experiences, mysticism, the rationality of religious belief, and the relationship between reason and revelation.

PHILOS 24, Philosophy in Literature 3 units
Transfer: UC, CSU
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
Philosophical inquiry into themes such as truth, justice, freedom, responsibility, love, punishment, self-deception, death, and meaning of life through examination of literary works.

PHILOS 41, Philosophical Problems Seminar 3 units
Transfer: UC, CSU
• Skills Advisory: Eligibility for English 1.
This course is designed to enable the interested student to study in depth selected philosophical problems in the areas of epistemology, metaphysics, and value theory. Primary source materials are analyzed and discussed in a seminar atmosphere. Oral and written reports are assigned. Philosophy majors are encouraged to take the course; non-majors are also eligible.

PHILOS 48, Non Violent Resistance 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities) or 4 (Behavioral Sciences)
• Prerequisite: None.
An examination of the causes of war and violence in world history and the various organized efforts to maintain peace and end wars. Nonviolent resistance movements will be emphasized.

PHILOS 51, Political Philosophy 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences) or Area 3B (Humanities)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
This inter-disciplinary course in philosophy and political science examines fundamental ideas about human nature, politics, and the state in the writings of major Western thinkers from Plato to Marx.

PHILOS 52, Modern Political Thought 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences) or Area 3B (Humanities)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
This inter-disciplinary course in philosophy and political science examines main currents of contemporary political thought and ideology such as Liberalism, Conservatism, Socialism and Feminism. The theoretical foundations of these ideologies as well as their significance in illuminating political and economic movements and conflicts in the 20th century are considered. Students may receive credit for either Political Science 52 or Philosophy 52, but not both.

PHILOS 88A, Independent Studies in Philosophy 1 unit
Transfer: CSU
Please see “Independent Studies” section.

PHILOS 88B, Independent Studies in Philosophy 2 units
Transfer: CSU
Please see “Independent Studies” section.

PHOTO 1, Introduction to Photography 3 units
Transfer: UC, CSU
• Prerequisite: None.
This non-laboratory course is an introduction to photography including camera techniques and artistic considerations.
Using 35mm format and natural light, students shoot digitally or with slide films for specific assignments emphasizing exposure, depth-of-field, composition, and image quality. A 35mm Single Lens Reflex camera (film or digital) with manual focus and exposure capabilities is required.

**PHOTO 2, Basic Photography Lab Techniques**  
(2,2)  2 units  
Transfer: CSU  
- Prerequisite: Photography 1 (Concurrent enrollment allowed).

This introductory lab course prepares students for general specialization in photography. Black and white exposure techniques, development controls, printing techniques, and film exposures are included. Specific shooting and printing assignments explore a variety of natural light situations and shooting challenges. Weekly lectures support practical supervised laboratory periods. Required for photography majors.

**PHOTO 3, Commercial Photography Techniques**  
6 units  
- Prerequisite: Photography 2.

Advisory: Concurrent enrollment with Photography 4.

This is an intermediate photography course which introduces the student to studio lighting techniques, 4x5 view camera manipulations, exposure and development techniques, and basic product photography. This class covers exclusively black and white photography. Students process and print all of their own work in Photography 3. Required for photography majors.

**PHOTO 3A, Commercial Photography Techniques 1**  
3 units  
- Prerequisite: Photography 2.

Advisory: Concurrent enrollment with Photography 4.

This is an intermediate photography course which introduces the student to studio lighting techniques, 4x5 view camera manipulations, exposure and development techniques, and basic product photography. This class covers exclusively black and white photography. Students process and print all of their own work in Photo 3A. Photo 3 is required for photography majors. Photography 3A plus Photography 3B may be substituted for Photography 3.

**PHOTO 3B, Commercial Photography Techniques 2**  
3 units  
- Prerequisite: Photography 3A.

Advisory: Concurrent enrollment with Photography 4.

A continuation of Photo 3A, this intermediate photography course introduces the student to studio lighting techniques, 4x5 view camera manipulations, exposure and development techniques, and basic product photography. This class covers exclusively black and white photography. Students process and print all of their own work in Photo 3B. Photo 3 is required for photography majors. Photo 3A plus Photo 3B may be substituted for Photo 3.

**PHOTO 4, Portrait Photography**  
3 units  
- Prerequisite: Photography 2.

This professional course covers theory and practical applications of portrait photography. Assignments and lecture material emphasize lighting ratios, shadow placement, pose, camera angle, and characterization. Studio work with traditional tungsten light sources is stressed as well as use of natural light situations. Required for photography majors.

**PHOTO 6, Advanced Commercial Photography**  
8 units  
- Prerequisite: Photography 3 and 4.

Advisory: Concurrent enrollment in Photography 50 or 51.

This comprehensive class spans a broad range of commercial, industrial, and design applications. Assignments and lecture material include architectural, fashion, catalog, advertising, food, and pictorial illustration photography. Technical challenges include working with studio strobe lights, background controls, gels, and light control accessories such as soft boxes, umbrellas, grids, various reflectors, diffusion panels, minus lighting, etc. Required for photography majors.

**PHOTO 7, Advanced Portfolio Development (3,3)**  
3 units  
- Prerequisite: Photography 6.

This class provides the advanced commercial student with the opportunity to develop work to a professional level under the supervision of a faculty adviser on a one-to-one basis. Study facilities as well as color and black and white laboratory privileges are available to the student in support of this portfolio work. Assignments are designed by the student with instructor approval. Admission by interview only.

**PHOTO 9, Advanced Photography of People**  
3 units  
- Prerequisite: Photography 4 and 6.

Advanced course in commercial photography of people, with emphasis on advertising and editorial approaches and applications in major contemporary genres, including corporate/business portraiture, general consumer magazine portraiture, fashion and beauty photography, wedding photography, and studio portraiture.

**PHOTO 10, Photo Journalism**  
2 units  
Transfer: CSU  
- Prerequisite: Photography 2.

This is a course in news photography designed for students majoring in graphic arts. Picture story development, caption writing, basic news writing principles and news photography concepts as applied to publications are stressed. Production assignments and portfolio preparation are included.

**PHOTO 11, Color Transparency Photography**  
2 units  
- Prerequisite: Photography 1.

This intermediate course in color transparency photography emphasizes more sophisticated exposure techniques, special photographic effects, creative use of films and understanding of different emulsion types, and specific commercial applications of small format photography. Students will work with audiovisual presentations, portfolio presentation of 35mm slides, and a wide variety of photographic challenges including filters, electronic flash techniques, and use of available light.
PHOTOGRAPHY

COURSE SEQUENCE

ART 10A (3)

PHOTO 3 (6)
PHOTO 50 (3)

PHOTO 4 (3)
PHOTO 6 (8)
PHOTO 43 (3)

PHOTO 7 (3)

PHOTO 3A
Fall (3)

PHOTO 3B
Spring (3)

PHOTO 2* (2)

PHOTO 1* (3)

PHOTO 24 (2)

PHOTO 11 (2)

PHOTO 37 (3)

PHOTO 38 (3)

PHOTO 51 (3)

PHOTO 52 (3)

PHOTO 89 (3 or 4)

Non-Laboratory Classes

PHOTO 10 (2)

Legend:

Square denotes
Fall / Spring

Round denotes
Year - Round

Black denotes
Elective

White denotes
Required

Curriculum units are shown in parentheses ( ).

*General elective which is a pre-requisite for Photo Major core classes.

General curriculum flow is from top to bottom. Classes within each designated block are most appropriately taken within the same or consecutive semesters. Classes at the same level are suggested for concurrence.
PHOTO 13, News Photography 3 units
Transfer: CSU
• Prerequisite: Photography 1.

This survey course in basic news photography is designed for journalism majors and students interested in being published in magazines and newspapers. Students learn basic camera and storytelling techniques, photo composition, and picture layout principles. It is highly recommended that this course be taken with Journalism 16, Journalism 8 or Journalism 20. A 35-mm single-lens reflex camera with manual focus capability is required.

Photography 13 is the same course as Journalism 21. Students may earn credit for one, but not both.

PHOTO 14, Photography for Publication (3,3) 3 units
Transfer: CSU
• Prerequisite: Journalism 21 or Photography 13.

This advanced course provides an in-depth study of photojournalism with an emphasis on creation of photo story ideas, photo essays and feature photos for publication. Photo editing and layout for newspapers, magazines and online publishing will be covered. Students will comprise the staff of the campus newspaper, The Corsair, and online publications. This course may be repeated once for credit. A 35-mm single-lens reflex camera with manual focus capability is required.

Photography 14 is the same course as Journalism 22. Students may receive credit for one, but not both.

PHOTO 24, Photo-Graphics 2 units
Transfer: CSU
• Prerequisite: Photography 2.

This lab-only class explores the production of graphic images from photographic originals with the use of litho materials. Students will produce line reductions, high contrast images, texture effects, and many more alternatives with enlarger manipulations and an emphasis on creative experimentation.

PHOTO 25, Filmmaking Techniques 3 units
Transfer: CSU
• Prerequisite: None.

This course provides a comprehensive overview of filmmaking from conception to completion. Material includes story concept and scripting, directing, producing, art direction, and technical concepts such as lighting, sound, camera operation, editing, and post-production. The course is designed to be a broad introduction to all aspects of professional filmmaking without specific emphasis on one area of expertise. It is recommended to all students who wish to explore cinema as a career option.

PHOTO 37, Advanced Black and White Printing Techniques 3 units
Transfer: CSU
• Prerequisite: Photography 2.

Students will learn the zone system control of exposure and development of films, basic sensitometry, advanced printing techniques including bleaching and toning, use of multiple contrast filters, and archival preservation techniques.

PHOTO 39, Beginning Photoshop 3 units
Transfer: CSU
• Prerequisite: Photography 2 and 50 or 51.

This course is an introduction to digital imaging on the computer for photography majors using Adobe Photoshop. Students will learn how to manipulate and enhance digital images, including scanning and retouching for output to a variety of media.

PHOTO 40, Digital Capture 3 units
Transfer: CSU
• Prerequisite: Photography 6, 39, and concurrent enrollment in 42.

Students will use medium and large format cameras with digital capture backs, featuring the use of Adobe Photoshop, Ultimate's Knockout masking software, and virtual reality software. Course will cover acquisition theory and color space theory with emphasis on output to print, screen, web, and photographic digital media.

PHOTO 42, Advanced Photoshop 3 units
Transfer: CSU
• Prerequisite: Photography 39.

This course covers advanced level digital image manipulation on the computer using Adobe Photoshop and page layout software. Students will continue to explore more complex features of Photoshop, and will make use of the full range of input/output devices and options available in the digital image lab's service bureau.

PHOTO 43, Portfolio Development 3 units
Transfer: CSU
• Prerequisite: Photography 6 and 39.

This course covers advanced studio lighting techniques, commercial setups, and set styling and portfolio development for advanced commercial photography students. Students are also provided with an introduction to portfolio presentation with an emphasis on personal style and photographic specialty.

PHOTO 44, Building WEB Sites for Photographers 2 units
Transfer: CSU
• Prerequisite: Photography 2 and 50 and 39.

Dreamweaver, Adobe Photoshop and ImageReady are currently used in the class.

Students will use a variety of software to create a personal web site for the purpose of electronic display of an online portfolio. Course concentrates on the use of the photographic image on the World Wide Web.

PHOTO 50, Basic Color Printing 3 units
Transfer: CSU
• Prerequisite: Photography 2.

This course provides an introduction to color printing from negative materials. Students will produce “C” prints from a variety of color films using Dichromic enlargers, Ektaprint chemistry, and a roller transport machine processor. Simple problems, such as color balance, exposure choices, paper surfaces, and enlargement are addressed.
PHOTO 51, Printing from Positive Materials 3 units
- Prerequisite: Photography 2 and 11.
This is an introduction to color printing from slides. This class teaches the simplest techniques of type “R” printing using a roller-motor process and Cibachromes printing with the Ilford C AP-40 processor. No outside shooting is required. Students print from images acquired from Photo 1, Photo 11, or other sources. No previous color printing experience is required.

PHOTO 52, History of Photography 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts and Humanities)
- Prerequisite: None.
This is a historical survey of the evolving nature of photography from the early 1800’s to the present digital age. Photography 52 is the same course as Art 73. Students may earn credit for one, but not both.

PHOTO 88A, Independent Studies in Photography 1 unit
Transfer: CSU
Please see “Independent Studies” section.

PHOTO 88B, Independent Studies in Photography 1 unit
Transfer: CSU
Please see “Independent Studies” section.

PHOTO 90A, Photography Internship 1 unit
Transfer: CSU
- Prerequisite: None.
Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.
The Internship Program is designed to provide the student with "real life" experience in a photography environment.

PHOTO 90B, Internship in Photography 2 units
Transfer: CSU
- Prerequisite: None.
Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.
The Internship Program is designed to provide the student with "real life" experience in a photography environment.

PHOTO 90C, Internship in Photography 3 units
Transfer: CSU
- Prerequisite: None.
Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.
The Internship Program is designed to provide the student with "real life" experience in a photography environment.

PHOTO 90D, Internship in Photography 4 units
Transfer: CSU
- Prerequisite: None.
Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.
The Internship Program is designed to provide the student with "real life" experience in a photography environment.

Physics

PHYSCS 6, General Physics 4 units
Transfer: UC, CSU
IGETC AREA 5 (Physical Sciences, + LAB)
- Prerequisite: Math 2.
This course is a non-calculus-based study of the mechanics of solids and liquids, elastic properties of matter, heat, and sound. *Physics 6, 7 or 8, 9 or 21, 22, 23 combined: maximum UC credit one series.

PHYSCS 7, General Physics 4 units
Transfer: UC, CSU
IGETC AREA 5 (Physical Sciences, + LAB)
- Prerequisite: Physics 6.
This course is a non-calculus-based study of electricity and magnetism, optics, special relativity, and atomic and nuclear physics. *Physics 6, 7 or 8, 9 or 21, 22, 23 combined: maximum UC credit one series.

PHYSCS 8, General Physics with Calculus 4 units
Transfer: UC, CSU
IGETC AREA 5 (Physical Sciences, + LAB)
- Prerequisite: Math 7.
This course is a calculus-based study of the mechanics of solids and liquids, elastic properties of matter, heat, and wave motion. *Physics 6, 7 or 8, 9 or 21, 22, 23 combined: maximum UC credit one series.

PHYSCS 9, General Physics with Calculus 4 units
Transfer: UC, CSU
IGETC AREA 5 (Physical Sciences, + LAB)
- Prerequisite: Physics 8.
This course is a calculus-based study of electricity and magnetism, geometrical and physical optics, special relativity, and atomic and nuclear physics. *Physics 6, 7 or 8, 9 or 21, 22, 23 combined: maximum UC credit one series.

PHYSCS 12, Introductory Physics Non-Lab 3 units
Transfer: UC, CSU
IGETC AREA 5 (Physical Sciences, non-lab)
- Prerequisite: None.
Physics 12 is a non-laboratory course for the student whose interest or major calls for a course with a more conceptual and less mathematical approach to physics. It is a survey course introducing mechanics, heat, sound, electricity, magnetism, light and modern physics. The emphasis is on understanding of concepts and applying physics to life around us. No credit for Physics 12 if taken after Physics 1 or 6. *See counselor regarding transfer credit limitations. High School Math recommended.
PHYSCS 14, Introductory Physics with Laboratory  4 units
Transfer: UC, CSU
IGETC AREA 5 (Physical Science, + LAB)
• Prerequisite: None.
Physics 14 is recommended for students who have not had high school physics but are planning to take Physics.

This course is similar to Physics 12 in content and difficulty level, but with a laboratory session added to enhance the learning experience. Physics 14 is designed for the student who is interested in a more conceptual and less mathematical approach to physics. It is a survey course introducing the topics of mechanics, heat, sound, electricity and magnetism, light, and modern physics. The emphasis will be on developing conceptual understanding of the laws of nature through hands-on experiences, laboratory experiments, and computer interactions, in addition to lectures and demonstrations. Maximum credit for Physics 12 and 14 combined is 4 units. High School math recommended.

PHYSCS 21, Mechanics with Lab  5 units
Transfer: UC, CSU
IGETC AREA 5 (Physical Sciences, + Lab)
• Prerequisite: Math 7.
*Formerly Physics 1.

This course is a calculus based study of the mechanics of solids, emphasizing Newton's laws and their applications. It is designed for engineering, physical science, and computer science majors. *Physics 6, 7 or 8, 9 or 21, 22, 23 combined: maximum UC credit one series.

PHYSCS 22, Electricity and Magnetism  5 units
Transfer: UC, CSU
IGETC Area 5 (Physical Science, + LAB)
• Prerequisite: Math 8, Physics 21.
*Formerly Physics 3.

This course is a calculus-based study of electricity and magnetism including the electric and magnetic properties of materials, direct and alternating circuits, electromagnetic interactions and wave theory. This course also introduces special relativity. It is designed for engineering, physical science, and computer science majors. *Physics 6, 7 or 8, 9 or 21, 22, 23 combined: maximum UC credit for one series.

PHYSCS 23, Waves, Optics, Thermodynamics  5 units
Transfer: UC, CSU
IGETC AREA 5A (Physical Sciences, + LAB)
• Prerequisite: Math 8, Physics 21.
*Formerly Physics 2.

This course is a calculus-based study of wave motion, heat, kinetic theory, and optics. It is designed for engineering, physical science, and computer science majors. *Physics 6, 7 or 8, 9 or 21, 22, 23 combined: maximum UC credit for one series.

PHYSCS 24, Modern Physics with Lab  3 units
Transfer: UC, CSU
• Prerequisite: Physics 21 and Math 8.
• Advisory: Physics 22 and Physics 23.

This course is a calculus-based study of relativity, quantum mechanics, atomic, and nuclear physics. It is designed for engineering, physical science, and computer science majors.

PHYSCS 88A, Independent Studies in Physical Science  1 unit
Transfer: CSU

Please see "Independent Studies" section.

Physiology

Please see listing under "Biological Sciences."

Political Science – Noncredit

POL SC 930, Preparation for Citizenship  0 units

This course prepares students to successfully apply for and be granted US Citizenship by the Office of Homeland Security. Students will learn about US History and Civics to prepare for their final interview and how to correctly fill out and submit the N-400 Application for Citizenship. Students will also learn interviewing techniques that will help them prepare for the final interview with the US Government.

Political Science

POL SC 1, National and California Government  3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
+ satisfies CSU Constitution & American Ideals graduation requirement
• CAN: Government 2.
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.

This course surveys and analyzes the principles, institutions, policies, and politics of U.S. National and California State Governments.

POL SC 2, Comparative Government and Politics  3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
• Prerequisite: None.

This course examines the political systems of selected industrial democracies and Communist and Third World political systems. Emphasis is placed on the institutional structure, political processes, and political cultures of these countries.

POL SC 5, Political Economy  3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.

This course is an introduction to the field of Political Economy, including the recent history of domestic U.S. and international economic relations, contending theoretical per-
spectives on the politics of economics, substantive issue areas, and public policy concerns. A background in economics is helpful but not required for this course. Political Science 5 is the same course as Economics 5. Students may earn credit for one, but not both.

**POL SC 7, International Politics** 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.
This course examines the structure and operation of the international system. Emphasis is placed on the nature and sources of conflict and cooperation and issues of war and peace among states in the international system.

**POL SC 8, The Modern Far East** 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.
This course concentrates on the political and social history of East Asia in the 20th Century. The following subjects are studied: major movements of social and political change; revolution; the pattern of political culture and power; the pattern of foreign and domestic policy; and East Asia’s relationship to the Western World.

**POL SC 10, Government Internships** 3 units
Transfer: CSU
Advisory: Consultation with the instructor is recommended.
- Skills Advisory: Eligibility for English 1.
Approved internship must be arranged prior to enrollment.
Students will relate their academic experience to local, state, or national governments by working in a governmental agency for a summer or semester. Academic credit is based on a written report or research paper relating the student’s internship experience and an oral examination. Enrollment must be concurrent with an approved internship assignment.

**POL SC 11, World Affairs and the United Nations** 3 units
Transfer: CSU
- Skills Advisory: Eligibility for English 1.
Political Science 12, Model United Nations, is a companion course to Political Science 11.
This course examines global conflict and cooperation since World War II, with special emphasis on the United Nations and related organizations. Arms proliferation and control, regional conflicts, world social and economic cooperation, and governmental and nongovernmental efforts to promote peace and security are examined.

**POL SC 12, Model United Nations (1,1)** 1 unit
Transfer: CSU
Advisory: Political Science 11 or prior Model United Nations experience.
- Skills Advisory: Eligibility for English 1.
This course should be taken concurrently with or subsequent to Political Science 11. Additional fees are required and any costs associated with travel, room and board will be the responsibility of students. Consultation with the instructor is recommended prior to enrollment.

Students will participate in local, state, or national Model United Nations, and will research country positions, policy issues, United Nation rules of debate and parliamentary procedure, diplomacy negotiation, and techniques of conflict resolution.

**POL SC 14, Middle East Government and Politics** 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.
This comparative study of the government and politics of the Middle Eastern states gives emphasis to the study of the relationship between political development, political organization, and social structure.

**POL SC 21, Race, Ethnicity, and the Politics of Difference** 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.
This course satisfies Santa Monica College’s American Cultures requirement.
The social construction of racial and ethnic groups in American society and their relationship to local, state and national government is covered. Of particular concern are problems of assimilation and integration into the political system, the politics of exclusion, discrimination, voting behavior and pressure group politics, ideology, resistance and political action, the social construction of race and racism, the poor and the culture of poverty, political problems of the aged, the young, women, gay lesbian, bisexual, and transgendered people.

**POL SC 22, Environmental Politics and Policies** 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social and Behavioral Sciences)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.
This course examines the politics of environmental issues, including, but not limited to, population, natural resources, climate, and pollution. The course focuses on the political, economic, and social origins of environmental change and degradation and the goals and activities of environmental movements, interest groups, and political parties. The public policy response to environmental issues will be assessed as to its effectiveness, and the need for new policy approaches and institutions will be examined.

**POL SC 23, The Politics of Gender** 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social Behavioral Sciences)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.
This course introduces the politics of gender in pluralist societies. The course considers materials from political theory, American politics, philosophy, and women’s studies as it examines the role of gender, gender based social movements, and sexual politics in political development and in contemporary political affairs.
 POL SC 47, International Politics Seminar 3 units
Transfer: UC, CSU
IGETC AREA 4H (Social & Behavioral Sciences)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
This seminar in international politics features analysis and discussion of the international system. Patterns of cooperation and conflict between states, alliance systems, security issues, and the international economy are among the topics on which students will write papers. Seminar sessions are characterized by discussion, oral reports, and critical analysis of papers, articles, and books. Consultation with the instructor is required before enrolling.

POL SC 51, Political Philosophy 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences) or Area 3B (Humanities)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
This inter-disciplinary course in philosophy and political science examines fundamental ideas about the nature of man, politics, and the state, in the writings of thinkers from Plato through Marx. Political Science 51 is the same course as Philosophy 51. Students may earn credit for one, but not both.

POL SC 52, Modern Political Thought 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences) or Area 3B (Humanities)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
This inter-disciplinary course in philosophy and political science examines main currents of contemporary political thought and ideology, such as Liberalism, Conservatism, and Socialism. The theoretical foundations of these ideologies as well as their significance in illuminating political and economic movements and conflicts in the 20th Century are considered. This course is the same as Philosophy 52. Students may receive credit for either Political Science 52 or Philosophy 52, but not both.

PSYCH 1, General Psychology 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
This survey course introduces modern psychology by presenting scientific and humanistic interpretations of the human mind and behavior. Topics discussed include the methods psychologists use to gather data, the biological bases of behavior, the basic processes of perception, learning and motivation, the development of thinking and personality, and social influences on behavior.

PSYCH 2, Physiological Psychology 3 units
Transfer: UC, CSU
IGETC AREA 5 (Biological Sciences, non-lab)
• Prerequisite: Psychology 1.
This introductory course emphasizes the biological approach and methods as tools for adding to our understanding of human psychology. Information about the functioning of the human nervous system is used to provide insight into mental, emotional, and behavioral processes. The role of biological factors underlying sensation, perception, motivation, learning, thinking, language processes, and psychopathology is stressed.

PSYCH 3, Personality: Dynamics and Development 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
• Prerequisite: Psychology 1.
This course provides an introduction to personality psychology. Topics covered include the utility of personality in predicting behavior, the influences of personality, the major theories of personality development and dynamics, and the application of personality theory and concepts to health, psychopathology, and treatment. Assessment of personality will also be discussed. This course will use a lecture, discussion, and demonstration format in exploring these topics.

PSYCH 5, The Psychology of Communication 3 units
Transfer: UC, CSU
• Prerequisite: Psychology 1.
This course emphasizes the study of communication as a process of giving, receiving, and interpreting verbal and non-verbal behavior in a variety of interpersonal situations. Communications research, listening skills, conflict resolution, feedback, communication barriers, and message organization are covered. Experiential exercises, including role playing and small group interactions, provide techniques for the development of more effective communication styles. Issues in gender and cross-cultural communication and conflict will be discussed, with an emphasis on methods to improve interpersonal interaction in culturally diverse settings.
PSYCH 6, Marriage, Family, and Human Intimacy 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social and Behavioral Sciences)
• Prerequisite: Psychology 1.
  This course provides insight into and preparation for establishing rewarding relationships as the basis for a successful and fulfilling individual, marital, and family life. Included are values clarification, communication techniques, current views of male and female roles in society, mate selection, sexual involvement and adjustment, family planning, and child rearing. Special emphasis is placed on understanding the need for compromise and adjustment in a marriage and family unit in our rapidly changing society.

PSYCH 11, Child Growth and Development 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
• Prerequisite: Psychology 1.
  This course focuses on the study of psychological growth and development from the prenatal stages to adolescence through firsthand observations of children. It emphasizes the process through which children move toward physical, mental, social and emotional maturity, and the roles which their culture and natural learning environments play in their continuing development. The impact of cultural/ethnic variations upon the lives of children, families and society are explored. Individual differences in learning are discussed from within a culturally sensitive framework.

PSYCH 12, Adolescence and Early Maturity 3 units
Transfer: UC, CSU
• Prerequisite: Psychology 11.
  This course, which continues the subject matter of Psychology 11, emphasizes the growth and development of preadolescent, adolescent, and mature individuals. Physiological, psychological, and social changes are included with emphasis on the many possibilities for adaptive and healthy development.

PSYCH 13, Social Psychology 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
• Prerequisite: Psychology 1.
  This course is a study of the nature of social interaction and group processes that affect the motivations, attitudes, perceptions, and behaviors of individuals.

PSYCH 14, Abnormal Psychology 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social and Behavioral Sciences)
• Prerequisite: Psychology 1.
  This course provides an introduction to biological, environmental, social, and psychological determinants of psychopathology and behavioral deviation. Historical and current theories of abnormal mental or behavioral functioning, their implications for therapy, and community support systems are discussed.

PSYCH 16, Mind and Metabolism 3 units
Transfer: UC, CSU
• Prerequisite: Psychology 1.
  This course examines how fundamental brain processes (brain chemistry and physiology), psychological processes (thinking and emotion), and behavior are affected by metabolic factors related to nutrition, digestion, and elimination. An evolutionary and ecological perspective will be considered to gain an understanding of why and how the mind is affected by environmental/dietary changes.

PSYCH 18, Childhood: Culture and Personality 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social and Behavioral Sciences)
• Prerequisite: None.
  This course satisfies Santa Monica College’s American Cultures requirement.
  This course summarizes anthropological and psychological theories, methods, and data. These are used to show the relationship between critical aspects of culture and the personality development of children, adolescents, and adults. Comparisons of child-rearing in different societies illustrate the role of myths, play, nutrition, education, and family in socialization. Intercultural contact is discussed in relation to individuals and conflict in U.S. schools.
  Psychology 18 is the same course as Early Childhood Education 18. Students may earn credit for one, but not both.

PSYCH 19, Lifespan Human Development 3 units
Transfer: UC, CSU
IGETC AREA 4I (Social & Behavioral Sciences)
• Prerequisite: Psychology 1.
  This course traces physical, emotional, social, and intellectual development throughout the lifespan from conception through aging and dying. The impact on the individual of the family, the culture, and socio-economic factors will be a special emphasis. Theoretical understanding of lifespan issues will provide a foundation for exploration of their practical implications at each stage of development. This course is open to all and is especially geared toward health professionals.

PSYCH 25, Human Sexuality 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social and Behavioral Sciences)
• Prerequisite: Psychology 1.
  This study of sexual behavior begins with anatomy and physiology, reproduction, and other biological topics. Pre- and post-natal development, gender differentiation, and psychosexual development are discussed to provide the background for considering the diversity of adult sexuality. In regularly scheduled small group meetings, the student is given an opportunity to explore and compare his or her own psychological and behavioral dynamics with the different values, beliefs, and practices of other individuals and other cultures.
**PSYCH 35, Seminar on Contemporary Psychological Issues**  
3 units  
Transfer: CSU  
- **Prerequisite:** Psychology 1.  
This course will examine the psychological literature covering a variety of contemporary topics. The areas may include: the psychology of prejudice, Eastern and Western psychology, experimental psychology, the psychology of learning, ecological psychology, the psychology of crime and incarceration, and other areas selected by the faculty. There may be a different focus each semester this course is taught.

**PSYCH 40, Environmental Psychology**  
3 units  
Transfer: UC, CSU  
- **Prerequisite:** Psychology 1.  
This course will focus on human behavior and the socio-physical environment. A major emphasis will be on the bi-directional nature of environment-behavior relationships in the context of larger eco-systems.

**PSYCH 81A, Understanding Human Behavior**  
2 units  
- **Prerequisite:** None.  
This preparatory course is both academic and applied. It is an introduction to selected fundamental topics in psychology (the scientific method; personality development; motivation and learning; etc.) It also includes structured exercises in learning and study skills. The credit given for this course is not transferable. *Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements.

**PSYCH 88A, Independent Studies in Psychology**  
1 unit  
Transfer: CSU  
- **Prerequisite:** Psychology 1 and one other Psychology course.  
Please see "Independent Studies" section.

**PSYCH 88B, Independent Studies in Psychology**  
2 units  
Transfer: CSU  
- **Prerequisite:** Psychology 1 and one other Psychology course.  
Please see "Independent Studies" section.

**Religious Studies**

**REL ST 51, Literature of Bible: Old Testament**  
3 units  
Transfer: UC, CSU  
IGETC Area 3B (Humanities)  
- **Prerequisite:** English 1.  
This study introduces the variety and wealth of literature contained in the Old Testament of the Bible. Attention is given to how Biblical literature has been and can be interpreted, studied, and used. The various types of literature in the Bible are set forth and representative passages of each are examined. Religious Studies 51 is the same course as English 51. Students may earn credit for one, but not both.

**RES TH 1, Introduction to Respiratory Therapy**  
2 units  
Transfer: CSU  
- **Prerequisite:** None.  
This is a survey course in respiratory therapy that provides an overview of the profession, including the various educational routes, credentialing mechanisms, professional associations, and job responsibilities of a respiratory therapist. Pulmonary anatomy, physiology and pathophysiology, measurement scales, and basic gas behavior are taught. Principles of medical gas manufacture, storage, and safety systems are introduced.

**RES TH 2, Respiratory Therapy Principles**  
8 units  
Transfer: CSU*  
- **Prerequisite:** Admission to the Respiratory Therapy Program.  
The student is introduced to basic respiratory care equipment and procedures, including theory and safe application of oxygen, aerosol, and the handling of medical gases. Basic pulmonary function testing, physics (including general principles and specific applications to respiratory care), medicolegal considerations, and psychological aspects of patient care are taught. Thorough instruction is given in cardiopulmonary resuscitation and the use of artificial airways, cardiac anatomy, pulmonary anatomy, and microbiology, including general principles and applications to respiratory therapy. The student performs basic pulmonary functions, observes respiratory care, and applies basic therapy under a clinical instructor.

**RES TH 3, Principles and Equipment Techniques II**  
6 units  
Transfer: CSU  
- **Prerequisite:** Respiratory Therapy 2.  
This course offers in-depth lectures on cardiopulmonary diseases, respiratory physiology, and pharmacology. It covers respiratory care equipment and procedures used in treating critically ill patients with cardiopulmonary diseases. General patient care, pulmonary function assessment, and cardiovascular assessment are discussed. The student applies basic respiratory care to patients with various lung diseases and adjusts ventilatory life-support systems to critically ill patients under a clinical instructor’s supervision.
RES TH 5, Neonatal Intensive Respiratory Care  3 units
Transfer: CSU
• Prerequisite: Respiratory Therapy 3.

This course teaches the principles of intensive care of the newborn, emphasizing respiratory care. Fetal lung development, the fetal to newborn transition, biophysical monitoring, and classification of the newborn are discussed. Resuscitation, the physical environment, oxygen therapy, ventilatory support, intensive care monitoring, and transportation of critically ill infants are taught. Major cardiopulmonary diseases of the newborn, including their management, are discussed. Students enrolled in the SMC respiratory therapy program must be concurrently enrolled in Respiratory Therapy 4 for clinical skills experience. Graduate respiratory therapists and registered nurses will also find this course useful.

RES TH 6, Advanced Principles and Theory  3 units
Transfer: CSU
• Prerequisite: Respiratory Therapy 3.

This course includes lectures on cardiopulmonary treatment, evaluation, and monitoring. Pulmonary rehabilitation and home care, organizing, and managing respiratory care services and pediatric respiratory care are discussed. Management of patients with various respiratory problems is discussed through case studies.

RES TH 7, Comprehensive Work Experience in Respiratory Therapy  1-2 units
Transfer: CSU
• Prerequisite: Respiratory Therapy 5 and 6.

This course provides a rotation into adult, pediatric, and newborn respiratory care, as well as a pulmonary function laboratory. Increasing levels of clinical skill and problem solving are required as the student gradually assumes the responsibilities of a respiratory therapist. A research project is performed on some aspect of respiratory care.

RES TH 29, Neonatal and Pediatric Respiratory Therapy  4 units
Transfer: CSU
Prerequisites: Anatomy 1, Physiology 3

This course presents prenatal development, high risk pregnancy and normal labor and delivery. Assessment of the newborn and pediatric patient is taught. Neonatal and pediatric diseases and disorders are described with an emphasis on the respiratory care interventions, techniques, and equipment used in neonatal and pediatric patient care.

RES TH 30, Adult Critical Care Monitory and Diagnostics  3 units
Transfer: CSU
Prerequisites: Anatomy 1, Physiology 3.

This course presents current techniques of monitoring the critically ill adult patient. This includes electrocardiography, cardiovascular/hemodynamic monitoring, capnography and pulmonary function testing. Cardiovascular pharmacology and common approaches to supporting the unstable intensive care patient are presented. Advanced Cardiac Life Support (ACLS) algorithms for treatment of the patient with acute coronary syndrome and other related disorders are reviewed.

RES TH 60, Respiratory Physiology  4 units
Transfer: CSU
Prerequisites: Anatomy 1, Physiology 3.

This course presents the physiology of the cardiopulmonary system from a clinical perspective including basic anatomy, pulmonary ventilation, diffusion of gases, pulmonary circulation, ventilation/perfusion relationships, blood gas transport, acid-base balance, mechanics of breathing and neural control of breathing.

RES TH 70, Respiratory Pathophysiology  4 units
Transfer: CSU
Prerequisites: Anatomy 1, Physiology 3.

The pathology and pathophysiology, diagnosis, and treatment of common diseases and disorders of the respiratory and cardiopulmonary systems are covered in detail. Techniques of laboratory evaluation and specific monitoring methods are discussed.

Russian

Additional hours to be arranged in the Modern Language Lab for Russian 1 and 2.

RUSS 1, Elementary Russian I  5 units
Transfer: UC, CSU
IGETC Foreign Language (required for UC only)
• Prerequisite: None.

This course introduces students to basic vocabulary and fundamental structures in the present tense and in five of the six cases (nominative, genitive, dative, accusative and locative). Basic listening and reading comprehension is developed, and students engage in conversations, make oral presentations, and write brief compositions using present tense and the various cases. Significant geographic, historical, literary and contemporary political, social and cultural issues are also introduced and developed.

RUSS 2, Elementary Russian II  5 units
Transfer: UC, CSU
IGETC Foreign Language (required for UC only)
• Prerequisite: Russian 1.*

This continuation of Russian I increases basic vocabulary and introduces students to sentence structures including the past and future tenses in both verb aspects (imperfective and perfective), and completes the cases, including plural forms. Basic listening and reading comprehension is developed, and students engage in conversations and write brief compositions using past, present and future tenses in all six cases. It includes the reading of excerpts from modern Russian sources (online newspapers and magazines) and discussion of significant geographic, historical, literary and contemporary political, social and cultural issues is continued and developed.

*The prerequisite for this course is comparable to two years of high school Russian
RUSS 8, Conversational Russian (2,2)  2 units
Transfer: UC, CSU
- Prerequisite: Russian 2.
  This course provides an opportunity to acquire fluency in spoken Russian with emphasis on natural, colloquial usage.

Sociology

SOCIOL 1, Introduction to Sociology  3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
- CAN: Sociology 2.
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.
  This course introduces the objective study of society and human social interaction. Emphasis is placed on both macro and micro sociological theory and methods of sociological inquiry, as well as cultural development, the process of socialization, social structure, social stratification—particularly in the areas of social class, race and ethnicity, and gender—and social change. Students are highly encouraged to complete Sociology 1 prior to enrolling in other sociology courses.

SOCIOL 2, Social Problems  3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.
  This course involves a sociological analysis of contemporary social problems on the local, national, and international level. Critical inquiry and analysis is conducted into issues such as global inequality, environmental destruction, urban deterioration, economic and political power distribution, poverty, racism, sexism, and problems of work, family, education, drugs, and crime. Theoretical perspectives of sociology and current sociological research are explored.

SOCIOL 4, Sociological Analysis  3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.
  This course introduces students to the fundamental principles and methods of sociological research design and implementation. Students examine the key varieties of evidence—including qualitative and quantitative data, data-gathering and sampling methods, logic of comparison, and causal reasoning. The work of several scholars is evaluated and students create their own research design related to a sociological issue.

SOCIOL 12, Sociology of the Family  3 units
Transfer: UC, CSU
IGETC AREA 4 (Social and Behavioral Sciences)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.
  This course is an examination of the family as a social institution. Emphasis will be placed on relationships between the family and other social institutions from American and multicultural perspectives. Theories of family development in society as well as pertinent research will be studied.

SOCIOL 30, African Americans in Contemporary Society  3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.
  This course involves a sociological examination of the social, cultural, political, and economic conditions experienced by African Americans in the United States. Current and past institutional practices relating to equality, segregation, cultural pluralism, and assimilation are analyzed. Social movements within African American communities as well as intra- and intergroup relations are also considered.

SOCIOL 31, Latinas/os in Contemporary Society  3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.
  This course introduces students to the characteristics and issues facing the large pan-ethnic Latina/o population in the United States. Attention will be given to the social, cultural, economic and political factors impacting the various Latino groups, as well as how those factors contribute both to differentiate and build coalition with other groups in American society. While the experiences of the diverse Latina/o groups will be examined, particular emphasis is placed on the experiences of Mexican Americans.

SOCIOL 32, Asian Americans in Contemporary Society  3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.
  This course introduces students to the social conditions and issues facing Asian/Pacific Americans. Using a sociological perspective, the pan-ethnic identity of Asian/Pacific Americans will be critically examined. Attention will be given to the social, cultural, economic, and political factors impacting the various Asian/Pacific groups, as well as how those factors impact both intra- and intergroup relations.

SOCIOL 33, Sociology of Sex and Gender  3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.
  This course addresses the distinction between biological sex and the social construction of gender. Issues of gender inequality in societal institutions and social structures will be the focus of critical analyses of the consequences of the sex/gender system in the United States. Understanding the impact of the matrix of domination (based on race, ethnicity, and class) on gender is a central issue. A global perspective, which examines and compares the place of gender in nations of the North with those of the South, is also emphasized.
SOCIOL 34, Racial and Ethnic Relations in American Society 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
• Prerequisite: None.
• Skills Advisory: Eligibility for English 1.
This course satisfies Santa Monica College’s American Cultures requirement.

This course involves the critical examination of patterns, practices, and relations among racial and ethnic groups in the United States. Particular attention will be given to problems of ongoing discrimination, prejudice, assimilation and cultural pluralism, and power differences between groups. Interconnections between race, ethnicity, social class, gender, and other systems of inequality will be emphasized. Social movements organized within and among racial and ethnic groups that address institutional inequalities in this society will be analyzed.

SOCIOL 88A, Independent Studies in Sociology 1 unit
Transfer: CSU
Please see “Independent Studies” section.

SOCIOL 88B, Independent Studies in Sociology 2 units
Transfer: CSU
Please see “Independent Studies” section.

Spanish
Additional hours to be arranged in the Modern Language Lab for Spanish 1 and 2.

SPAN 1, Elementary Spanish I 5 units
Transfer: UC, CSU
IGETC Foreign Language (required for UC only)
• Prerequisite: None.

This course, using the Natural Approach, introduces the students to basic vocabulary and fundamental sentence structure in the present and preterit tenses. Basic aural and reading comprehension is developed and students hold simple conversations and write short compositions about present and past actions.

SPAN 2, Elementary Spanish II 5 units
Transfer: UC, CSU
IGETC Foreign Language (required for UC only)
• Prerequisite: Spanish 1*.

This course is a continuation of Spanish 1. Using the Natural Approach, this course stresses basic vocabulary and fundamental sentence structure in the past and future indicative tenses and the subjunctive mood. The course develops basic aural and reading comprehension. Students hold simple conversations and write short compositions in the past and future. Students read simple texts and further study Spanish and Latin American culture.

*The prerequisite for this course is comparable to two years of high school Spanish.

SPAN 3, Intermediate Spanish I 5 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
• Prerequisite: Spanish 2*.

This course reviews Spanish grammar, emphasizing idiomatic construction and expressions. Discussions and conversations are based on selected readings from contemporary Spanish and Spanish-American literature.

*The prerequisite for this course is comparable to three years of high school Spanish.

SPAN 4, Intermediate Spanish II 5 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
• Prerequisite: Spanish 3*.

This course continues the review of Spanish grammar, idioms, and vocabulary in everyday use. The course is highlighted by intensive and extensive readings and discussions of essays, novels, plays, and poetry from Spanish and Spanish-American literature.

*The prerequisite for this course is comparable to four years of high school Spanish.

SPAN 8, Conversational Spanish (2,2) 2 units
Transfer: UC, CSU
• Prerequisite: Spanish 2.

This course provides an opportunity to acquire intermediate fluency in spoken Spanish with emphasis on natural, colloquial usage.

SPAN 9, The Civilization of Spain 3 units
Transfer: UC, CSU
IGETC AREA 3B (Humanities)
• Prerequisite: Spanish 3.

This course traces the development of Spanish culture from prehistoric times to the present. It explores the geography, history, literature, music, art, and the customs of the major cultural and linguistic regions of Spain. The course will be taught in Spanish.

SPAN 11, Spanish for Native Speakers I 5 units
Transfer: UC, CSU
IGETC AREA Foreign Language (required for UC only)
• Prerequisite: None.

This course is designed for students who speak Spanish at home and who need to improve their vocabulary and knowledge of the grammar as well as improve their spelling and writing skills. Formal aspects of the language will be stressed including: spelling, punctuation, and accentuation. This course provides practice in composition. The course will be taught in Spanish.

Students may receive credit for either Spanish 1 or Spanish 11, but not both.

SPAN 20, Latin American Civilization 3 units
IGETC AREA 3B, 4 (Humanities, Social & Behavioral Sciences)
Advisory: Spanish 3 level skills.

This course introduces students to the development of Latin American culture from pre-Columbian times to the present. It will explore the history, literature, art, music, geography, archeology, culture, customs, and traditions of Spanish America. The course will be taught in Spanish.
This course satisfies the Santa Monica College's American Cultures requirement.

**SPAN 31A, Practical Spanish (3,3)**  
3 units  
Transfer: CSU  
- **Prerequisite:** None.  
  
This course is designed for the student with no previous knowledge of Spanish and develops basic conversation skills in the present tense. It emphasizes the use of set-up phrases, idiomatic expressions, correct pronunciation, development of useful vocabulary and ability to communicate at a practical and basic level.

**SPAN 31S, Practical Spanish**  
1 unit  
Transfer: CSU  
- **Prerequisite:** None.  
  
This basic conversation course develops effective communication skills. It emphasizes the use of set-up phrases, idiomatic expressions, correct pronunciation and intonation, development of useful vocabulary, and ability to communicate without hesitation in a given situation. This course does not fulfill the language requirement.

**Speech**

Also see courses listed under Broadcasting, Communication, Film Studies and Journalism.

**SPEECH 1, Elements of Public Speaking**  
3 units  
Transfer: UC, CSU  
IGETC AREA 1C (Oral Communication)  
- **Prerequisite:** None.  
  
This is a course in public speaking for students learning to prepare and deliver platform speeches. Assignments include speeches of description, exposition, and persuasion. Techniques for controlling tension, building self-confidence, and effective listening are emphasized.

**SPEECH 2, Persuasion**  
3 units  
Transfer: CSU  
- **Advisory:** Speech 1.  
  
This course focuses on the development of persuasion in rhetorical perspective, with an emphasis on balancing logic, emotion and credibility in public speaking. The history of classical rhetoric in Ancient Greece and Rome, as well as great speakers in American history, are emphasized.

**SPEECH 3, Voice and Diction**  
3 units  
Transfer: CSU  
- **Prerequisite:** None.  
  
This course focuses on improvement in voice and articulation. It features analysis of the student's voice and articulation problems and offers specific strategies for improvement. Techniques in relaxation, breath control, articulation, vocal variety and pronunciation are emphasized. In addition, students learn skills in oral interpretation, public speaking, and transcription of the International Phonetic Alphabet.

**SPEECH 4, Oral Interpretation: Performing Literature Across Cultures**  
3 units  
Transfer: CSU  
- **Advisory:** Speech 1.  
  
This course satisfies the Santa Monica College's American Cultures requirement.

This course focuses on the oral interpretation of poetry and prose, with a special emphasis on literature by and about United States' cultural groups including African Americans, Asian Americans, European Americans, Jewish Americans, Latinos/Latinas, Indigenous peoples of the United States and others. Through the process of oral interpretation, students will analyze works of literature, discover a personal connection to the material, and share their emotional and intellectual creation using voice and body with an audience. By studying and performing multi-cultural literature, students will learn to appreciate the similarities and differences among cultures and how culture affects the author's voice.

**SPEECH 5, Interpersonal Communication**  
3 units  
Transfer: UC, CSU  
IGETC AREA 1C (Oral Communication)  
- **Skills Advisory:** Eligibility for English 1.  
  
Techniques for effective interpersonal communication are studied with emphasis on developing awareness of one's own actions and their impact on relationships. Verbal and nonverbal communication styles are analyzed and practiced in one-to-one and small group situations. Lecture, discussion, and class participation are utilized to demonstrate a variety of skills including listening conflict resolution, and the effective use of language in personal and professional interactions. In addition, exercises in body language, role playing, and self-disclosure and positive/negative thinking help students understand the power of the communication process.

**SPEECH 6, Fundamentals of Small Group Discussion**  
3 units  
Transfer: UC, CSU  
IGETC AREA 1C (Oral Communication)  
- **Skills Advisory:** Eligibility for English 1.  
  
This course focuses on the identification and analysis of processes and challenges of communication as affected by small group interactions. This course helps students develop competence and confidence as a group member and leader through a combination of theoretical and practical knowledge of small groups in everyday life. The course focuses on the principles of communication theory as they apply to the small group setting with an emphasis on practical application through study and practice in various group activities.

**SPEECH 7, Intercultural Communication**  
3 units  
Transfer: UC, CSU  
IGETC AREA 4 (Social and Behavioral Sciences)  
- **Skills Advisory:** Eligibility for English 1.  
  
This course focuses on the identification and analysis of processes and challenges of communication as affected by different cultures, especially as it affects communication among the various cultures found within the United States (e.g., African American, Asian American, Latino/a, Middle Eastern, Native American, European American and Gay/Lesbian cultures). The course focuses on the principles of communication theory as they apply to the intercultural setting with an emphasis on the effects of differences in attitudes, social organization, role expectations, language and nonverbal behavior—all of which are interrelated.
SPEECH 11, Argumentation 3 units
Transfer: UC, CSU
IGETC AREA 1C (Oral Communication)

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

Principles of argumentative discourse applied to contemporary issues are studied in this course. An analysis of the relationship between evidence and the process of reasoning is included.

SPEECH 22, Introduction to Forensics 2 units
Transfer: CSU

- Prerequisite: None.

This class provides the training, rehearsal, and performance practice to develop speech and debate skills necessary to participate on a competitive collegiate forensics team. Students will have the option to choose areas of interest and to compete in Forensics tournaments.

Student Activities

STUGOV 81, Introduction to Student Government 1 unit

- Prerequisite: None.

This course investigates the role, structure and legal basis of government in California community colleges. Special emphasis is given to student government’s relationship to college. This course may be repeated once for credit.

Theatre Arts

Pre-enrollment auditions are required for Theatre Arts production classes (Th Art 43, 44, 45, 50, 52 and 54). Theatre Arts majors enroll in Theatre Arts 5. Most sections require attendance of theatre productions for which students must purchase tickets.

TH ART 2, Introduction to the Theatre 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts)

- Prerequisite: None.

This course surveys the various elements of the theatre, providing a basis for evaluating productions. Theatre Arts majors enroll in Theatre Arts 5.

TH ART 5, History of World Theatre 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts)

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course covers the history of theatre and dramatic literature with emphasis on the relationship of the theatre to cultural development.

TH ART 7, Modern Drama 3 units
Transfer: UC, CSU
IGETC AREA 3A (Arts) or 3B (Humanities)

- Prerequisite: English 1.

This course consists of some of the great works of 20th Century drama.

Theatre Arts 7 is the same course as English 55. Students may earn credit for one, but not both.

TH ART 10A, Voice Development for the Stage (3,3) 3 units
Transfer: UC, CSU

- Prerequisite: None.

The technical study of stage speech designed to develop the skills for performing classic and modern dramatic literature is stressed in this course. *See counselor regarding transfer credit limitations.

TH ART 10B, Advanced Voice Development for the Stage (3,3) 3 units
Transfer: UC, CSU

- Prerequisite: Theatre Arts 10A.

This course covers more advanced study of stage speech designed to help develop the skills for performing classes and modern dramatic literature. *See counselor regarding transfer credit limitations.

TH ART 13, Stage Dialects 2 units
Transfer: CSU

- Advisory: Theatre Arts 10A.

Attendance of theatre productions for which student must purchase tickets is required.

Specific training is given in the performance of the Various Regional American Accents as well as various dialects most often performed in Professional Theatre.

TH ART 15A, Stage Movement for the Actor (1,1) 1 unit
Transfer: UC, CSU

- Prerequisite: None.

This course develops the student’s awareness of the body as an instrument of communication in stage acting.

TH ART 15B, Advanced Stage Movement for the Actor, (1,1) 1 unit
Transfer: CSU

- Prerequisite: None.

This course provides advanced training in awareness and development of the body for creation and communication in theatre. Emphasis will be made on creating awareness and training in ethnic drama, character dancing and movement forms by the use of Flamenco techniques.

TH ART 18A, Technical Theatre Production Workshop (1,1,1,1) 1 unit
Transfer: UC, CSU

- Prerequisite: None.

This course is intended for students interested in special study topics in technical theatre, either in the theatre laboratory (shops) or on actual theatre department productions. Students work in various assignments on the production crews. (Students may work as design assistants, crew heads, master technicians, and crew in the areas of scenery, properties, costumes, lights, sound, make-up, and special effects.)
TH ART 18B, Technical Theatre Production Workshop (2,2,2,2) 2 units
Transfer: UC, CSU
• Prerequisite: None.
This course is intended for students interested in special study topics in technical theatre, either in the theatre laboratory (shops) or on actual theatre department productions. Students work in various assignments on the production crews. (Students may work as design assistants, crew heads, master technicians, and crew in the areas of scenery, properties, costumes, lights, sound, make-up, and special effects.)

TH ART 18C, Technical Theatre Production Workshop (3,3,3,3) 3 units
Transfer: UC, CSU
• Prerequisite: None.
This course is intended for students interested in special study topics in technical theatre, either in the theatre laboratory (shops) or on actual theatre department productions. Students work in various assignments on the production crews. (Students may work as design assistants, crew heads, master technicians, and crew in the areas of scenery, properties, costumes, lights, sound, make-up, and special effects.)

TH ART 20, Stagecraft (3,3,3) 3 units
Transfer: UC, CSU
• Prerequisite: None.
This course covers the construction, painting, and running of stage scenery, properties, and effects. It includes the use of construction tools and shop procedures, and an introduction to scenic design and technical direction. *See counselor regarding transfer credit limitations.

TH ART 22, Stage Lighting (3,3) 3 units
Transfer: UC, CSU
• Prerequisite: None.
This course introduces the student to the theory and practice of modern stage lighting. The properties and control of light are covered, including electricity, color, instrumentation, and design. *See counselor regarding transfer credit limitations.

TH ART 24, Stage Sound 1 unit
Transfer: UC, CSU
• Prerequisite: None.
Theory and practice in the integration of sound into theatrical productions. Instruction in the selection, recording, editing, and execution of sound.

TH ART 26, Introduction to Stage Costuming 3 units
Transfer: UC, CSU
• Prerequisite: None.
Costume construction theory and practice are covered in this course. It includes a survey of the history of costuming. Students are assigned to working production crews. *See counselor regarding transfer credit limitations.

TH ART 28A, Beginning Stage Make-Up (1,1) 1 unit
Transfer: UC, CSU
• Prerequisite: None.
This course is a study and practice of specific techniques in the art of stage make-up with emphasis on developing knowledge and skill in its design and practical application. This course is recommended for students in acting and in Theatre Arts department productions. *See counselor regarding transfer credit limitations.

TH ART 34, Advanced Costume Design (2,2) 2 units
Transfer: UC, CSU
• Prerequisite: Theatre Arts 26.
Theories, principles and practices of costume design for the stage are covered in this course. *See counselor regarding transfer credit limitations.

TH ART 38A, Beginning Stage Direction 3 units
Transfer: UC, CSU
• Prerequisite: Theatre Arts 41.
Basic techniques of play analysis and stage directorial techniques are explored in this course.

TH ART 38B, Advanced Stage Direction (3,3) 3 units
Transfer: UC, CSU
• Prerequisite: Theatre Arts 38A.
This course is a continuation of the study of basic directorial techniques as applied to various historical styles.

TH ART 41, Acting I (3,3,3,3) 3 units
Transfer: UC, CSU
• Prerequisite: None.
This course is an introduction to the fundamentals of acting through exercises, scene performance, and play analysis.

TH ART 42, Acting II (3,3,3,3) 3 units
Transfer: UC, CSU
Advisory: Theatre Arts 41.
This course is designed for theatre arts majors and stresses acting technique, character building, scene performance, and scene analysis from selected plays from Modern Realism.

TH ART 43, Acting, Historical Styles – Early (3,3) 3 units
Transfer: UC, CSU
• Prerequisite: Pre-enrollment audition.
This course contains development of acting skills and explores several non-Realistic acting styles through performance of prepared scenes and culminating in a final public performance. Styles covered in class may include Greek (tragedy and comedy), Roman comedy, Medieval, Shakespearean (tragedy and comedy), and Comedy of Manners. Attendance of theatre productions for which students must purchase tickets is required. *See counselor regarding transfer credit limitations.
TH ART 44, Acting, Historical Styles – Late 3 units
Transfer: *CSU

Prerequisite: Pre-enrollment audition.
This course contains development of acting skills and explores several non-realistic acting styles through performance of prepared scenes and culminating in a finial public performance. Styles covered may include Commedia del'arte, Farce, Melodrama, Ibsen, Chekhov, Brecht, Theatre of the Absurd (Beckett, Pinter, Ionesco, Genet, Stoppard, Shepard.) Attendance of theatre productions for which students must purchase tickets is required. *See counselor regarding transfer credit limitations.

TH ART 45, Musical Theatre Workshop (3,3) 3 units
Transfer: UC, CSU

Prerequisite: Pre-enrollment auditions required.
This course is a study of the art and practical application of theatrical production designed for a smaller venue. Such a production includes rehearsals and performances of a theatrical production geared towards the younger viewing audience base. It explores acting skills through the application and development of progressive performance techniques. Emphasis is placed on cooperative blending of all theatre activities into a finished public performance. Students will rehearse and prepare material and learn about the processes of performing for live theatre. Attendance of theatre productions for which students must purchase tickets is required. *See counselor regarding transfer credit limitations.

TH ART 46, Comedy Acting Workshop (3,3) 3 units
Transfer: UC, CSU

Prerequisite: None
Advisory: Theatre Arts 41.
This course explores comedic acting skills through the application and development of progressive comedy techniques. Through acquired knowledge of the genre and analysis of plays, this course fosters the development of acting techniques for theatrical venues. Students will rehearse and prepare material and learn about the processes of comedic acting for the live theatre. Attendance of theatre productions for which students must purchase tickets is required.

TH ART 50, Advanced Production – Full Play (3,3,3,3) 3 units
Transfer: UC, CSU

Prerequisite: Pre-enrollment auditions required.
This course includes rehearsals and performance of a full-length production. Emphasis is upon cooperative blending of all theatre activities into a finished public performance. *See counselor regarding transfer credit limitations.

TH ART 51, Stage Make-Up Workshop (.5,.5,.5,.5) 0.5 unit
Transfer: UC, CSU

Prerequisite: None.
Concurrent Enrollment in Theatre Arts 50 or 52.
This course is a study of the art and practical application of stage make-up for those performing in Theatre Arts Department productions.

TH ART 52, Advanced Production – Musical Theatre (5,5,5,5) 5 units
Transfer: UC, CSU

Prerequisite: Pre-enrollment auditions required.
This course includes rehearsals and performances of the department’s musical theatre production. Dance laboratory is included. *See counselor regarding transfer credit limitations.

TH ART 53, Production for the Younger Audience 3 units
Transfer: CSU

Prerequisite: Pre-enrollment audition required. Co-enrollment in Theatre Arts 51 is required.
This course includes rehearsals and performances of a theatrical production designed for a smaller venue. Such a production includes, but is not limited to, any of the following: non-traditional themes, newer or lesser-known playwrights, student or faculty-written works, multi-cultural works and multiple theatrical genres. The course applies advanced acting skills in the selected genre to the development and performance of a production. Emphasis is placed on cooperative blending of all theatre activities into a finished public performance. Students rehearse and learn about the processes of performing for the live theatre. Attendance of theatre productions for which students must purchase tickets is required. *See counselor regarding transfer credit limitations.

TH ART 54, Advanced Production – Summer Theatre (6,6) 6 units
Transfer: UC, CSU

Prerequisite: Pre-enrollment auditions required.
This course includes rehearsals and performances of the department’s summer theatre productions including related production activities. *See counselor regarding transfer credit limitations.

TH ART 55, Advanced Production – Small Theatre Venue (3,3) 3 units
Transfer: CSU

Prerequisites: Pre-enrollment audition required.
This course involves rehearsals and performances of a theatrical production designed for a smaller venue. Such a production includes, but is not limited to, any of the following: non-traditional themes, newer or lesser-known playwrights, student or faculty-written works, multi-cultural works and multiple theatrical genres. The course applies advanced acting skills in the selected genre to the development and performance of a production. Emphasis is placed on cooperative blending of all theatre activities into a finished public performance. Students rehearse and learn about the processes of performing for the live theatre. Attendance of theatre productions for which students must purchase tickets is required.

TH ART 56, Advanced Audition Workshop 4 units
Transfer: CSU

Prerequisite: Pre-enrollment audition required.
On-site exploration and application of progressive audition techniques for students hoping to advance to higher levels of education and performance goals. Students will prepare audition material and learn about the process of auditioning at the more advanced levels of theatre and the education system. Course will culminate with a final public performance.

TH ART 88A, Independent Studies in Theatre Arts 1 unit
Transfer: CSU

Please see “Independent Studies” section.
TH ART 88B, Independent Studies in Theater Arts 2 units
Transfer: CSU
Please see “Independent Studies” section.

Urban Studies

URBAN 8, Introduction to Urban Studies 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social and Behavioral Sciences)
Prerequisite: None.
The course includes analyses of processes, spatial patterns and problems related to intercity and intracity development and function. Consideration will be given to selected environmental factors, diverse human cultures and economic forces that influence urban development. It includes an introduction to the use of maps and modern geographic techniques (such as geographic information systems) to identify and solve urban problems. Student participation in field exercises will be stressed taking advantage of the Los Angeles metropolitan area as a “laboratory” to relate urban theory to fact.
Urban Studies 8 is the same course as Geography 8. Students may earn credit for one, but not both.

Women’s Studies

WOM ST 8, Women’s Studies Leadership Practicum (1.5,1.5) 1.5 units
Transfer: CSU
Prerequisite: None.
This course is an introduction to women’s studies as an interdisciplinary academic discipline rooted in individual and collective action through leadership training, group activities, and networking opportunities on and off campus. Students will develop an understanding of a broad range of women’s experiences across class, racial/ethnic, and international lines, as well as initiate, design, and execute a field project which demonstrates what is learned in the classroom. Students will also gain experience serving effectively in formal and informal leadership roles in a range of settings, develop worthwhile visions of the future while inspiring others to join in, and utilize course content and activities to achieve personal and professional goals.

WOM ST 10, Introduction to Women’s Studies 3 units
Transfer: UC, CSU
IGETC AREA 4 (Social & Behavioral Sciences)
Prerequisite: None.
An interdisciplinary study of women and issues important to women in American Society, this course offers an analysis of women in public institutions and private realms and assumes the discussion of gender in the context of race and ethnicity. The class incorporates the academic perspectives of sociology, political science, history, psychology, and anthropology.

WOM ST 20, Women, Feminisms, and Social Movements: A Global Approach 3 units
Transfer: UC (pending), CSU
IGETC AREA 4 (Social & Behavioral Sciences) (pending)
Prerequisites: None.
This course introduces and utilizes feminist theories to examine salient issues that women confront around the world and the variant movements of resistance and social change spurred by these issues. The course includes an examination of both historical and contemporary women’s activism around the globe, including feminist movements that focus on political, economic, cultural, and environmental change, as well as an assessment of the impact of globalization on women’s lives. Particular attention may be given to Third World women, poor women, women of color, immigrant women, incarcerated women, women and war, women with disabilities, and queer people.

WOM ST 88A, Independent Studies in Women’s Studies 1 unit
Transfer: CSU
Please see “Independent Studies” section.

WOM ST 88B, Independent Studies in Women’s Studies 2 units
Transfer: CSU
Please see “Independent Studies” section.

WOM ST 90A, Internship in Women’s Studies 1 unit
Transfer: CSU
Prerequisite: None.
Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.
The Internship Program is designed to provide the student with “real life” experience in a public or private organization concerned with issues related to women. Students will work with the organization, agency, business, or institution (public or non-profit) to develop their understanding of and ability to apply the principles of women’s studies.

WOM ST 90B, Internship in Women’s Studies 2 units
Transfer: CSU
Prerequisite: None.
Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.
The Internship Program is designed to provide the student with “real life” experience in a public or private organization concerned with issues related to women. Students will work with the organization, agency, business, or institution (public or non-profit) to develop their understanding of and ability to apply the principles of women’s studies.

Zoology

Please see listing under “Biological Sciences.”