

Monterey Peninsula College

SUPPLEMENTAL CATALOG

SUMMER 2013

(This supplemental catalog reflects new and revised programs and courses adopted since the 2013-2014 catalog was published.)

INSTRUCTIONAL PROGRAMS

A primary objective of Monterey Peninsula College is to extend its services and resources to the community to help meet the community's educational, cultural and recreational interests. Instructional services include day, evening and weekend instructional programs offered on the Monterey campus, at the MPC Education Center at Marina, the Public Safety Training Center in Seaside, and off-campus locations, as well as a varied selection of distance learning courses and courses geared to meeting the needs of older adults.

In meeting this primary objective, Monterey Peninsula College offers the following types of programs:

Career technical: The career technical education programs offer the student basic technical and professional curricula to gain the skills and knowledge needed for employment, job advancement, certification, and/or the associate degree.

Transfer: The transfer program enables the student to complete the lower-division requirements in preparation for transfer to a baccalaureate-granting institution. MPC courses parallel those offered to freshman and sophomore students at the University of California, California State University, and private colleges and universities.

Skills Development: A program of basic skills is offered to students needing to increase performance levels in English, reading, study skills, math, critical thinking and other fundamental skills required for successful completion of college-level course work. An English as a Second Language program is available for students whose native language is one other than English. Support centers are available for language and mathematics skill development at a wide range of levels.

In order to increase access, Monterey Peninsula College offers many courses in the community as well as on the Monterey campus. Numerous courses are offered through the Older Adult program at senior citizen centers and at other easily accessible sites. MPC also offers some courses at local high schools.

Further, Monterey Peninsula College provides distance education through its growing number of online courses. Some online courses also require on-campus orientations.

Finally, Monterey Peninsula College offers a wide range of courses through Instructional Agreements, providing educational opportunity in partnership with numerous agencies and firms in the community.

ANTHROPOLOGY

The Anthropology program addresses issues in the areas of human nature and tradition, our human heritage, trends in global society, and the advances of a single political economy. The courses offered introduce students to the fields of archaeology, biological anthropology, and cultural anthropology. These courses may be taken to satisfy General Education requirements or to meet the requirements for an Associate in Arts in Anthropology for Transfer (AA-T in Anthropology) degree program which prepares students to transfer into the CSU system to pursue a baccalaureate degree in Anthropology or related major.

Learning Outcomes Upon successful completion of the program, students will have demonstrated the ability to:

- Critically examine and comprehend human nature and behavior, social traditions, and institutions.
- Describe the biological and cultural factors responsible for human variation.
- Distinguish variations in culture using the relativist perspective.
- Evaluate the various theories, methods, and techniques used to investigate the human past.

Associate in Arts for Transfer

(Replaces Anthropology Associate in Arts degree program)

Complete Major, *CSU General Education or IGETC Pattern*, and 60 transferable units.

| Associate Degree Major Requirements | UNITS |
|--|-------|
| <i>REQUIRED CORE:</i> | 9 |
| ANTH 2 Intro. to Biological Anthropology (3) | |
| ANTH 4 Intro. to Cultural Anthropology (3) | |
| ANTH 6 Intro. to Archaeology & Prehistory (3) | |
| <i>LIST A: Select three units from the following:</i> | 3 |
| ANTH 2L Biological Anthropology Laboratory (1) | |
| ANTH 15 Intro. to Language and Culture (3) | |
| MATH 16 Elementary Statistics (3) | |
| <i>LIST B: Select 3-5 units from the following and/or any course from LIST A not already used:</i> | 3-5 |
| ANAT 1 Human Anatomy (2) | |
| ANAT 2 Human Anatomy Lab (2) | |
| GEOL 2 Physical Geology (3) | |
| & GEOL 2L Physical Geology Laboratory (1) | |
| PSYC 10 Intro. to Research Methods in Psychology (3) | |
| <i>LIST C: Select three units from the following or from LIST A or B not already used:</i> | 3 |
| ANTH 8 Primate Behavioral Ecology (3) | |
| ANTH 20 Native Peoples of North America (3) | |
| ANTH 21 Ancient Civilizations of Mesoamerica (3) | |
| ANTH 30 Women in Cross-Cultural Perspective (3) | |
| SOCI 1 Intro. to Sociology (3) | |

TOTAL MAJOR UNITS

18-20

ART - STUDIO ARTS

The Associate in Arts in Studio Arts for Transfer (AA-T in Studio Arts) degree program is suited to the needs of students who will complete the degree and transfer to a CSU. The program prepares students to transfer into the CSU system to pursue a baccalaureate degree in Studio Arts or related major.

Learning Outcomes: Upon successful completion of the program, students will have demonstrated the ability to:

- Create, understand, analyze, and critically evaluate artwork in a wide variety of media.
- Demonstrate critical thinking and competency in visual language.
- Ask questions related to studio art and artists, draw reasonable conclusions, and/or generate appropriate solutions; and effectively communicate their results.
- Analyze and interpret human thought, achievement, and expression relevant to studio arts, and communicate the results.

Associate in Arts for Transfer

(Does not replace Art – Studio: General Studio Associate in Arts degree program)

Complete Major, *CSU General Education or IGETC Pattern*, and 60 transferable units.

| Associate Degree Major Requirements | UNITS |
|--|-------|
| <i>REQUIRED CORE:</i> | 12 |
| ARTB 2 Visual Fundamentals: Two-Dimensional Design (3) | |
| ARTB 3 Visual Fundamentals: Three-Dimensional Design (3) | |
| ARTB 4 Western Art II (3) | |
| ARTS 10A Drawing and Composition I (3) | |
| <i>LIST A: Select one:</i> | 3 |
| ARTH 3 Western Art (3) | |
| ARTH 5 Survey of Modern and Contemporary Art (3) | |
| ARTH 6/HUMA 4/WOMN 4 Images of Women in the Arts (3) | |
| ARTH 7 Arts of Africa, Oceania, and the Americas (3) | |
| ARTH 8 Survey of Asian Art (3) | |
| ARTH 9 Survey of American Art (3) | |
| <i>LIST B: Select three curricular areas:</i> | 9-11 |
| Applied Design | |
| ARTD 40A Jewelry and Metal Arts I (3) | |
| or ARTD 80 Introduction to Crafts (3) | |
| Ceramics | |
| ARTC 1 Introduction to Ceramics (3) | |
| Color | |
| ARTB 4 Color Fundamentals (3) | |
| Digital Art | |
| ARTS 9A Creative Digital Media I (2) | |
| Drawing | |
| ARTS 12A Figure Drawing I (3) | |
| Painting | |
| ARTS 40A Painting I (3) | |
| Photography | |
| ARTP 11A Photography I: Black and White (3) | |
| Printmaking | |
| ARTS 60 Introduction to Printmaking (3) | |
| Sculpture | |
| ARTD 1A Sculpture I (3) | |

TOTAL MAJOR UNITS

24-26

COMMUNICATION STUDIES

Communication Studies is, generally speaking, the study of human communication. The Associate in Arts in Communication Studies for Transfer (AA-T in Communication Studies) degree program assists students in improving their communication skills and is designed to prepare students for a major in Communication Studies. The course of study promotes understanding, analysis, and effective application of theories related to communication in interpersonal, group, public, organizational, multicultural, and/or mediated contexts. The program prepares students to transfer into the CSU system to pursue a baccalaureate degree in Communication Studies or related major.

Learning Outcomes Upon successful completion of the program, students will be able to:

- Critically examine and comprehend human nature and behavior, social traditions, and institutions.
- Analyze and evaluate complex issues or problems, draw reasoned conclusions and/or generate solutions, and effectively communicate their results.

Associate in Arts for Transfer

(Replaces Communication Studies Associate in Arts degree program)

Complete Major, *CSU General Education or IGETC Pattern* and 60 transferable units.

| Associate Degree Major Requirements | UNITS |
|---|-------|
| <i>REQUIRED CORE:</i> | 9 |
| SPCH 1 Public Speaking (3) | |
| SPCH 2 Small Group Communication (3) | |
| SPCH 3 Interpersonal Communication (3) | |
| <i>LIST B: Select two courses from the following:</i> | 6 |
| COMM 5 Mass Media Methods (3) | |
| SPCH 4 Intercultural Communication (3) | |
| SPCH 5 Oral Interpretation of Literature (3) | |
| SPCH 10 Introduction to Communication Theory (3) | |
| <i>LIST C: Select one course from the following or any course from LIST B not already used:</i> | 3 |
| ENGL 2 Argumentative Writing and Critical Thinking (3) | |
| PSYC 1 General Psychology (3) | |
| SOCI 1 Introduction to Sociology (3) | |
| *SPCH 54 Leadership Communication (3) | |

TOTAL MAJOR UNITS 18

*Does not transfer to UC.

COMPUTER SCIENCE

The Associate in Science in Computer Science for Transfer degree (AS-T in Computer Science) provides students with sufficient understanding of computer science concepts, skills, and applications to attain upper division status in computer science at a California State University, majoring in computer science, software engineering, or game programming.

Successful completion of the Associate in Science in Computer Science for Transfer degree (AS-T in Computer Science) guarantees the student acceptance to a California State University (but does not guarantee acceptance to a particular campus or major) to pursue a baccalaureate degree, in preparation to pursue a career in the field of computer science.

Learning Outcomes Upon successful completion of the program, students will have demonstrated the ability to:

- Write programs in assembly language.
- Design, implement, test, and debug a program using structured and object-oriented design principles.
- Write programs that use data structures such as arrays, records, strings, linked lists, stacks, queues, trees, and hash tables.
- Use formal tools of symbolic logic to model real-life situations, including those arising in computing contexts.

Associate in Science for Transfer

(Does not replace Computer Information Systems Associate in Arts degree program)

Complete Major, *CSU General Education or IGETC Pattern*, and 60 transferable units.

| Associate Degree Major Requirements | UNITS |
|--|-------|
| CSIS 10A Programming Methods I: Java | 4 |
| CSIS 10B Programming methods II: Java | 4 |
| CSIS 11 Computer Architecture and Organization | 3 |
| CSIS 12 Discrete Structures | 3 |
| MATH 20A Calculus with Analytic Geometry I | 4 |
| MATH 20B Calculus with Analytic Geometry II | 4 |
| PHYS 3A Science and Engineering Physics I | 4 |
| PHYS 3B Science and Engineering Physics II | 4 |

TOTAL MAJOR UNITS 30

INTERIOR DESIGN

The Interior Design program prepares students for employment in the many businesses that provide products and services for residential and commercial interiors.

Learning Outcomes Upon successful completion of the program, students will be able to:

- Analyze client's needs, goals, and life safety requirements.
- Formulate preliminary design concepts that are aesthetic, appropriate, functional, and in accordance with codes and standards.
- Develop and present final design recommendations through appropriate presentation media.
- Communicate professionally with clients and trade sources.
- Prepare drawings for non-load bearing interior construction, reflected ceiling plans, lighting, interior detailing, materials, finishes, space planning, furnishings, fixtures, and equipment.

Certificate of Achievement (Career Technical)

Certificate Requirements UNITS

Recommended sequence of courses:

Beginning courses:

| | |
|---|---|
| DRAF 70 Drafting & Perspective | 2 |
| INTD 50A Intro. to Interior Design | 3 |
| INTD 56 Hist. of Interior Arch. & Furn. I | 3 |

Intermediate courses:

| | |
|--|---|
| DRAF 72A Intro. to Computer-Aided Design | 3 |
| INTD 51 Sustainable Environments | 3 |
| INTD 54 Interior Materials & Finishes | 3 |
| INTD 57 Hist. of Interior Arch. & Furn. II | 3 |
| INTD 59 Intro. to Kitchen & Bath Design | 3 |
| INTD 61 Rendering & Perspective | 2 |

Advanced courses:

| | |
|---|---|
| INTD 62 Principles of Green Building Design | 3 |
|---|---|

| | | |
|---|---|-----|
| INTD 70 | Interior Design Studio | 3 |
| INTD 84 | Portfolio | 1.5 |
| Courses that can be taken any time: | | |
| FASH 15 | Textiles | 3 |
| INTD 52 | Fund. of Lighting | 2 |
| INTD 53 | Color Theory & Application | 1.5 |
| INTD 55 | Business Practices | 1.5 |
| <i>Select three units from the following:</i> | | |
| ART 9 | History of Architecture (3) | 3 |
| ARTB 2 | Visual Fundamentals: 2-Dimensional Design (3) | |
| ARTB 3 | Visual Fundamentals: 3-Dimensional Design (3) | |
| ARTB 11 | Intro. to Photoshop (4) | |
| ARTP 12A | Digital Photography I (3) | |
| BUSC 131A | Image Proc. For Bus.: Adobe Photoshop (1) | |
| COOP 91.23 | Interior Design Work Experience (1-4) | |
| DRAF 72B | Adv. Computer-Aided Design (3) | |
| DRAF 73 | Building Information Modeling (3) | |
| FACS 56 | Life Management (3) | |

TOTAL CERTIFICATE UNITS **43.5**

Associate in Arts (Career Technical Degree)

Complete Major, MPC General Education Pattern, Competency Requirements, and 60 degree-applicable units.

| | |
|-------------------------------------|-------|
| Associate Degree Major Requirements | UNITS |
|-------------------------------------|-------|

| | |
|--------------------------|------|
| Certificate Requirements | 43.5 |
|--------------------------|------|

No additional major courses required

MATHEMATICS

The Associate in Science in Mathematics for Transfer (AS-T in Mathematics) degree program provides students with sufficient understanding of mathematical concepts, skills, and applications to attain upper division status in mathematics at a four-year college or university, majoring in mathematics, physics, engineering, or computer science. Successful completion of the transfer degree in mathematics guarantees the student acceptance to a California State University (but does not guarantee acceptance to a particular campus or major) to pursue a baccalaureate degree in mathematics or related major, in preparation to pursue a career in the field of mathematics, engineering, statistics, actuarial science, business and management, law enforcement, government, and education.

Learning Outcomes Upon successful completion of the program, students will have demonstrated the ability to:

- Understand, analyze, and critically evaluate complex issues or problems; draw reasonable conclusions and/or generate appropriate solutions; and effectively communicate their results.
- Analyze and evaluate complex issues or problems, draw reasoned conclusions and/or generate solutions, and effectively communicate their results.

Associate in Science for Transfer

(Replaces Mathematics Associate in Arts degree program)

Complete Major, CSU General Education or IGETC Pattern, and 60 transferable units.

| | |
|-------------------------------------|-------|
| Associate Degree Major Requirements | UNITS |
|-------------------------------------|-------|

REQUIRED CORE: 12

| | |
|----------|-------------------------------------|
| MATH 20A | Calculus w/Analytic Geometry I (4) |
| MATH 20B | Calculus w/Analytic Geometry II (4) |

MATH 20C Calculus of Several Variables (4)

Choose a minimum of 6 units from below with at least 3 units from LIST A*.

LIST A: Select one from the following: 3

MATH 31 Linear Algebra (3)

MATH 32 Differential Equations (3)

LIST B: Select one from the following or course from LIST A not already used: 3-4

CSIS 10A Programming Methods I: Java (4)

ENGR 17 Technical Computing w/MATLAB (3)

MATH 16 Elementary Statistics (3)

MATH 40 Discrete Mathematics (3)

PHYS 3A Science & Engineering Physics I (4)

**NOTE: While 3 units are required from LIST A, no units are required from LIST B.*

TOTAL MAJOR UNITS

18-19

PHYSICS

The Associate in Science in Physics for Transfer (AS-T in Physics) degree program provides students with sufficient understanding of the physical world with concepts, laws of physics and qualitative and quantitative reasoning skills to think critically and to analyze real world situations. Successful completion of the transfer degree at Monterey Peninsula College guarantees students acceptance to a California State University (but does not guarantee acceptance to a particular campus or major) to pursue a baccalaureate degree in Physics or related major, in preparation to pursue a career in research, industry, and education.

Learning Outcomes: Upon successful completion of the program, students will have demonstrated the ability to:

- Use appropriate instruments to perform scientific experiments to analyze data to check agreements with theoretical predictions.
- Reason qualitatively and logically about physical phenomena using scientific models.
- Apply Newton's laws, thermodynamics, the laws of electricity and magnetism, quantum theory, and the principles of energy conservation to problems involving, motion, heat, light, electromagnetism, and matter.

Associate in Science for Transfer

(Replaces Physics Associate in Arts degree program)

Complete Major, CSU General Education or IGETC Pattern, and 60 transferable units.

| | |
|-------------------------------------|-------|
| Associate Degree Major Requirements | UNITS |
|-------------------------------------|-------|

| | | |
|----------|-----------------------------------|---|
| MATH 20A | Calculus w/Analytic Geometry I | 4 |
| MATH 20B | Calculus w/Analytic Geometry II | 4 |
| MATH 20C | Calculus of Several Variables | 4 |
| PHYS 3A | Science & Engineering Physics I | 4 |
| PHYS 3B | Science & Engineering Physics II | 4 |
| PHYS 3C | Science & Engineering Physics III | 4 |

TOTAL MAJOR UNITS

24

PSYCHOLOGY

The Associate in Arts in Psychology for Transfer (AA-T in Psychology) degree program introduces students to psychology as a science, including major perspectives in historical and contemporary psychology, and exposes students to a variety of subfields in psychology. Courses may be taken to satisfy individual or professional needs, to satisfy General Education requirements, or to prepare students to transfer into the CSU system to pursue a baccalaureate degree in Psychology or related major.

Learning Outcomes Upon successful completion of the program, students will have demonstrated the ability to:

- Explain their knowledge of the major concepts, theoretical perspectives, and basic research methods and empirical findings in psychology.
- Utilize critical and creative thinking, skeptical inquiry, and when possible, the scientific approach to solve problems related to behavior and mental processes.
- Understand and apply psychological principles to personal and social issues.

Associate in Arts for Transfer

(Replaces Psychology Associate in Arts degree program)

Complete Major, *CSU General Education or IGETC Pattern*, and 60 transferable units.

| Associate Degree Major Requirements | UNITS |
|--|-----------|
| REQUIRED CORE: | 15 |
| MATH 16 Elementary Statistics (3) | |
| PSYC 1 General Psychology (3) | |
| PSYC 10 Intro. to Research Methods in Psychology (3) | |
| PSYC 25 Lifespan Development (3) | |
| PSYC 38 Biological Psychology (3) | |
| <i>Select one course from the following:</i> | 3 |
| ANTH 4 Intro. to Cultural Anthropology (3) | |
| PSYC 3 Intro. to Social Psychology (3) | |
| PSYC 35 Intro. to Abnormal Psychology (3) | |

TOTAL MAJOR UNITS 18

SOCIOLOGY

The Associate in Arts in Sociology for Transfer (AA-T in Sociology) degree program offers a rich and dynamic core curriculum that combines general and topical courses. All classes build on existing campus diversity by emphasizing multicultural approaches to teaching and learning. Sociology instructors are well known for exciting, interesting curriculum and materials, and classroom pedagogies that create learning community. By engaging students' own experiences and interests, sociology bridges school and community, offering students opportunities to apply new

knowledge through participatory action research and service learning projects. The program prepares students to transfer into the CSU system to pursue a baccalaureate degree in Sociology or related major.

Learning Outcomes: Upon successful completion of the program, students will have demonstrated the ability to:

- Explain the process of socialization in terms of human development in different social contexts and societies.
- Develop appropriate research questions, design well-developed research projects at the undergraduate level, and effectively apply empirical methods to the study of society, generating well-evidenced, rational explanations for social outcomes, phenomena, practices, and processes.
- Describe how social structures of class, culture, gender, race, and sexuality affect life changes.
- Critically analyze and explain the relationship between individual behavior and society.

Associate in Arts for Transfer

(Replaces Sociology Associate in Arts degree program)

Complete Major, *CSU General Education or IGETC Pattern*, and 60 transferable units.

| Associate Degree Major Requirements | UNITS |
|--|----------|
| REQUIRED CORE: | 9 |
| SOCI 1 Introduction to Sociology (3) | |
| <i>AND any two courses from the following:</i> | |
| SOCI 2 Contemporary Social Problems (3) | |
| SOCI 15 Introduction to Research Methods (3) | |
| MATH 16 Elementary Statistics (3) | |
| <i>LIST A: Select two courses from the following or any course from REQUIRED CORE not already used:</i> | 6 |
| PSYC/SOCI 3 Introduction to Social Psychology (3) | |
| SOCI 12 Introduction to Gender and Sexuality (3) | |
| SOCI 13 Introduction to Race and Ethnicity (3) | |
| SOCI 17 Introduction to Crime and Deviance (3) | |
| SOCI 40 Intro. to Marriage and Family Life (3) | |
| <i>LIST B: Select one course from the following or any course from REQUIRED CORE or LIST A not already used:</i> | 3 |
| SOCI 11 Mass Media and Popular Culture (3) | |
| SOCI 14 Sociology of Latinos and Latinas (3) | |

TOTAL MAJOR UNITS 18

ANNOUNCEMENT OF COURSES

Course Descriptions and Numbering

All courses are listed alphabetically.

Not all courses listed in this catalog may be offered during the academic year.

Unit of credit or semester unit is a measure of time and study devoted to a course.

Hours for courses are listed as hours that the student will spend in class per week for the semester. Total hours spent in a class are listed for courses that are less than a semester in length. These hours may be lecture, laboratory, discussion, field study, studio, activity, or clinical.

Course Grading

The following course grading is found in the course description following the title of the course:

LG: Letter grade only

P/NP: Pass/No Pass grade only

LG-P/NP: Letter grade or Pass/No Pass grade

NC: Non-Credit

Course Repetition and Withdrawal Changes

Effective Summer 2012, Monterey Peninsula College implemented new limitations regarding course repetitions and withdrawals in a single course. These changes were mandated by the Board of Governor's Title 5 regulations. Students repeating a course in which they previously received a substandard grade of D, F, NC, NP, and/or a non-evaluative symbol of W (Withdrawal) will be limited to a total of three enrollments.

Students are advised to carefully choose their courses each term to ensure successful completion. This new regulation is retroactive to Fall 1995. Therefore, some students may find that they have already exhausted the repeat and withdrawal limitation of three enrollments.

Students should click on "View Grades" on WebReg to review their current unofficial transcript in an effort to determine how they may be affected by this new policy. Contact the Admissions and Records Office at (831) 646-4002/4007 if you have further questions. You may also speak with a counselor.

Course Repetition

A student may repeat a course only under the following conditions:

1. the student's prior evaluative grade in the course is a "D," "F," or "NP," or the student withdrew from the course and received a "W"; after the second attempt and received D, F, or NP, the student will be required to petition the Academic Council for a third and final attempt; or
2. the College catalog designates the course as repeatable and the number of times it may be repeated; or

3. the student receives prior written permission from the Academic Council when the student can demonstrate that the course must be repeated in order to make progress toward employment and certification.

4. Cooperative Work Experience, intercollegiate athletics, and DSPS (Disability Support Programs and Services) courses may require a petition.

Course Numbers

The college has adopted the following numbering system effective Fall 2005:

1-99 BS/BA Level and Associate Degree

Courses numbered 1 through 99 are baccalaureate level courses, carrying lower division baccalaureate level credit at four-year colleges and universities. Not all courses numbered 1-99 are transferable to UC. Check the MPC Catalog description for transferability. "Baccalaureate applicable" courses in the 1 through 99 series meet the following criteria:

1. The course is parallel to one offered at a California State University or University of California campus and/or has been accepted as satisfying a general education requirement as indicated by the approved CSU-GE List (California State University General Education List) or the IGETC (Intersegmental General Education Transfer Curriculum).
2. The course has procedural rigor to meet the critical thinking and/or computational levels required for baccalaureate level courses. Courses in this series are also associate degree applicable.

100-299 Associate Degree Only

Courses numbered 100 through 299 are associate degree level courses. They are generally, but not exclusively, career technical in nature. Courses numbered 100-199 may transfer at the discretion of the receiving institution. If a student takes both ENGL 111 and 112, only one of the courses may be applied toward the associate degree.

300-399 Credit, Non-Degree Applicable

Courses numbered 300 through 399 are intended as developmental courses in reading, writing, mathematics, English as a Second Language, and study and learning skills. They may not be used to fulfill any degree requirements.

400-499 Non-credit

Courses numbered 400 through 499 are courses for which no credit is awarded.

BUSINESS

BUSI 110 BUSINESS MATHEMATICS

3 units • LG-P/NP • Three hours lecture

This course reviews the application of mathematics in various business functions and includes simple and compound interest, installment financing, taxes, insurance, merchandising, and other topics.

Advisories: Eligibility for MATH 261

General Ed. Credit: MPC, Area A2

BUSI 120A BASIC ACCOUNTING

3 units • LG-P/NP • Three hours lecture; one hour lab

This course covers double-entry, accrual accounting procedures, including recording transactions, end-of-period worksheets and adjustments, cash control, accounts receivable and payable, and payroll procedures. It serves as basic training for bookkeeping and accounting occupations.

Advisories: Eligibility for ENGL 111 and 112 or ENSL 110 and 155; eligibility for MATH 351

General Ed. Credit: MPC, Area E2

DENTAL ASSISTING

DNTL 103 RADIOGRAPHY FOR DENTAL ASSISTANTS

2 units • LG • Total hours: Twelve hours lecture; ninety hours lab

This course covers principles of radiation physics, biology, and safety; radiograph exposure and processing techniques; practice in making x-rays of manikins and patients; technical evaluation of films; and radiography for children, the elderly, and special problems.

Prerequisites: DNTL 102

Prerequisites or corequisites: DNTL 100

Advisories: Eligibility for ENGL 1A

DNTL 105 DENTAL HEALTH SCIENCE

2 units • LG • Two hours lecture

This course provides an overview of the human body in health and disease, with special emphasis on oral health promotion, disease, prevention and control. This coursework forms the foundation for future dental assisting classes.

Corequisites: DNTL 100

ENGINEERING

ENGR 71 STEM STUDY SKILLS I

.5-1 unit • LG-P/NP • Three hours lab per week for each unit of credit

This course supports students enrolled in any science, technology, engineering, or math (STEM) subject. Students learn skills they can use in the classes that are most critical to their future success. Coverage includes group and individual study skills, strategies for solving homework and test problems, and setting and achieving academic goals.

Advisories: Eligibility for ENGL 1A; eligibility for MATH 263

Credit transferable: CSU

ENGR 72 STEM STUDY SKILLS II

.5-1 unit • LG-P/NP • Three hours lab per week for each unit of credit

This course supports students enrolled in any science, technology, engineering, or math (STEM) subject. Students learn skills they can use in the classes that are most critical to their future success. Coverage includes note taking, learning styles, additional strategies for solving homework and test problems, and metacognitive skills.

Advisories: ENGR 71; eligibility for ENGL 1A; MATH 263

Credit transferable: CSU

ENGR 73 STEM STUDY SKILLS III

.5-1 unit • LG-P/NP • Three hours lab per week for each unit of credit

This course supports students enrolled in any science, technology, engineering, or math (STEM) subject. Students learn skills they can use in the classes that are most critical to their future success. Coverage includes concept maps, time management, additional strategies for solving homework and test problems, and effectively interacting with professors.

Advisories: ENGL 1A; ENGR 72; MATH 20A

Credit transferable: CSU

ENGR 74 STEM STUDY SKILLS IV

.5-1 unit • LG-P/NP • Three hours lab per week for each unit of credit

This course supports students enrolled in any science, technology, engineering, or math (STEM) subject. Students learn skills they can use in the classes that are most critical to their future success. Coverage includes levels of understanding, additional strategies for solving homework and test problems, and active listening.

Advisories: ENGR 73; MATH 20B

Credit transferable: CSU

ENGLISH

ENGL 3 COMPOSITION FOR PERSONAL STATEMENTS AND APPLICATIONS

3 units • LG-P/NP • Three hours lecture by arrangement

This course provides instruction and practice in writing the personal and the lyric essay, forms expected in college or transfer applications, scholarship applications, and job applications. Includes readings in achieving personal style as well as representative examples of techniques involved. Offered online.

Prerequisites: ENGL 1A

Credit transferable: CSU

ENGL 40 AMERICAN LITERATURE I

3 units • LG-P/NP • Three hours lecture

This course introduces students to America's literary traditions from their beginnings to the second half of the 19th century. Also offered online.

Prerequisites: ENGL 1A

Advisories: ENGL 1B

Credit transferable: CSU, UC

General Ed. Credit: CSU, Area C2; IGETC, Area 3B; MPC, Area C, F

FIRE PROTECTION TECHNOLOGY

FIRE 242 FIRE PREVENTION 1

2 units • LG • Two hours lecture

This course covers the Company Officer certification track and the Capstone Task Book process. It equips students with knowledge and skills related to the Company Officer's role in fire prevention, the relationship between life safety and building construction, the elements of a quality company inspection program, and the addressing of complex hazards encountered during an inspection. Applies to State Certification as Company Officer.

Advisories: Eligibility for ENGL 111 and 112 or ENSL 110 and 155

HOSPITALITY

HOSP 88 CHOCOLATE II: CHOCOLATES AND CONFECTIONS

.5 unit • LG-P/NP • Total hours: Four hours lecture; twelve hours lab

In this class students temper chocolate and produce a variety of chocolates and confections. Includes demonstration and hands-on experience to learn appropriate use of techniques. Showpiece and presentation techniques are covered.

Advisories: *HOSP 84; eligibility for ENGL 111 and 112 or ENSL 110 and 155*

Credit transferable: *CSU*

LEARNING SKILLS

LNSK 330 LEARNING SKILLS ASSESSMENT

1 unit • P/NP • One hour lecture by arrangement

This course is designed for students with possible learning disabilities. The assessments administered provide students with information about specific academic and cognitive strengths and weaknesses, learning styles, and eligibility for disabilities services. May be taken two times for credit. After that, may be repeated based on provisions of Title 5, Section 56029.

LNSK 409 CAREER EXPLORATION AND JOB SEARCH STRATEGIES

0 units • NC • Total hours: Eight to fifty-one hours lab by arrangement

This individualized course is designed specifically for students with disabilities who require individualized assistance identifying and implementing vocational and employment goals. Directed activities include career assessments, master applications, resume writing, and interviewing techniques.

LNSK 410 JOB READINESS I

0 units • NC • Five to twenty hours activity by arrangement

This course is designed to assist students with developmental disabilities in preparing for, entering into, and retaining entry-level work. The class focuses on work skills, on-the-job relationships, job retention skills, and the use of computers and other adaptive technologies used in the workplace.

LINGUISTICS

LING 10 FOUNDATIONS OF LANGUAGE

3 units • LG-P/NP • Three hours lecture; one hour lab by arrangement

This course facilitates language teaching, learning, interpreting, and the understanding of the structure and nature of language. Students analyze English, with opportunities to compare it to a language of their choice. Language acquisition, processing, production, the language instinct, and the similarity and universality among the world's languages are discussed. Portions of instruction may be offered online.

Advisories: *Eligibility for ENGL 1A*

Credit transferable: *CSU, UC*

General Ed. Credit: *CSU, Area C2; IGETC, Area 3B; MPC, Area C*

MUSIC

MUSI 11 SIGHT READING AND EAR TRAINING

1 unit • LG-P/NP • Two hours lecture

This course offers lectures and exercises designed to develop the ability to recognize, read, and interpret symbols of music at sight.

Credit transferable: *CSU, UC*

MUSI 14A RECORDING ARTS I

3 units • LG-P/NP • Two hours lecture; three hours lab

This is an introduction to multi-track recording. The emphasis is on small studio setup and techniques. Lecture and labs cover the physics of sound, studio design, microphone applications, mixing, signal processing, principles of digital recording, and careers in audio.

Advisories: *Eligibility for ENGL 1A*

Credit transferable: *CSU*

General Ed. Credit: *MPC, Area C*

MUSI 14B RECORDING ARTS II

3 units • LG • Two hours lecture; three hours lab

This course is a continuation of MUSI 14A, with emphasis on current industry production techniques, including digital recording and mastering. Individual projects and field trips are required.

Prerequisites: *MUSI 14A*

Credit transferable: *CSU*

MUSI 20 COLLEGE CHOIR

1 unit • LG • Two hours lab

This course is for the study, rehearsal, and public performance of literature appropriate to the college choir ensemble, with an emphasis on the development of skills needed to perform within a college choir ensemble. Different literature is studied each semester. Choice of ensemble is based on each student's identified major instrument or voice. This course is designed for the entry-level singer and performs college choir repertoire that can be mastered in that time frame and that stresses the musical growth and success of the beginning singer. May be taken four times for credit.

Prerequisites: *Audition required*

Credit transferable: *CSU, UC*

General Ed. Credit: *MPC, Area E2*

MUSI 21 I CANTORI

1 unit • LG • Three hours lab

This course is for the study, rehearsal, and public performance of literature appropriate to the choral ensemble, with an emphasis on the development of skills needed to perform within a choral ensemble. Different literature is studied each semester. Choice of ensemble is based on each student's identified major instrument or voice. This course is designed for the advanced singer; it includes demanding choral repertoire that prepares the student for the skill level required for transfer to an upper division music curriculum in vocal performance or vocal music education. May be taken four times for credit.

Prerequisite: *Audition required*

Credit transferable: *CSU, UC*

MUSI 25 APPLIED MUSIC

.5 unit • LG • One hour lab scheduled; one hour lab by arrangement

This course consists of individualized study of the appropriate techniques and repertoire for the specific instrument or voice being studied. The emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. May be taken four times for credit.

Course advisories: *Current enrollment in an appropriate ensemble and in appropriate-level major preparation courses*

Credit transferable: *CSU*

MUSI 30 CONCERT BAND

1 unit • LG • Three hours lab

This course is for the study, rehearsal, and public performance of literature appropriate to the concert band ensemble, with an emphasis on the development of skills needed to perform within such an ensemble. Different literature is studied each semester. Choice of ensemble is based on each student's identified major instrument. This course is designed for students whose performance medium is a woodwind, brass, or percussion instrument; it performs repertoire for the large symphonic band. Because individual parts are tiered by difficulty level, this course can accommodate intermediate and advanced students. This course is appropriate for students seeking transfer to an upper division curriculum in instrumental performance or instrumental music education. May be taken four times for credit.

Prerequisites: *Audition required*

Credit transferable: *CSU, UC*

MUSI 32 JAZZ ENSEMBLE

1 unit • LG • Three hours lab

This course is for the study, rehearsal, and public performance of literature appropriate to the contemporary jazz ensemble, with an emphasis on the development of skills needed to perform within a jazz ensemble. It covers understanding basic concepts of style, phrasing, and interpretation. Different literature is studied each semester. Choice of ensemble is based on each student's identified major instrument or voice. This course studies and performs repertoire of the large jazz band or "stage band." This course enhances students' performance skill levels for transfer to an upper division jazz studies curriculum. May be taken four times for credit.

Prerequisites: *Audition required*

Credit transferable: *CSU, UC*

PHILOSOPHY

PHIL 2 INTRODUCTION TO PHILOSOPHY

3 units • LG-P/NP • Three hours lecture

This course introduces philosophical ideas and methods concerning knowledge, reality, and values. Expected topics will include the sources and limits of knowledge, and the nature of reality. Other topics that may be examined from a philosophical perspective include the nature of the self, truth, ethics, religion, science, language, beauty and art, political theory, or mind. Also offered online.

Advisories: *Eligibility for ENGL 1A*

Credit transferable: *CSU, UC*

General Ed. Credit: *CSU, Area C2; IGETC, Area 3B; MPC, Area C*

PHIL 4 MORAL ISSUES

3 units • LG-P/NP • Three hours lecture

This course clarifies values in contemporary moral issues such as abortion, sexuality, the right to die, animal rights, and economic justice. Also offered online.

Advisories: *Eligibility for ENGL 1A*

Credit transferable: *CSU, UC*

General Ed. Credit: *CSU, Area C2, E; IGETC, Area 3B; MPC, Area C*

PHIL 10 INTRODUCTION TO CRITICAL THINKING

3 units • LG-P/NP • Three hours lecture

This course introduces the techniques and skills of critical thinking. It provides practice in using language clearly; identifying, analyzing, constructing, and evaluating deductive and inductive arguments; and exposing common fallacies in everyday reasoning. Also offered online.

Advisories: *ENGL 1A*

Credit transferable: *CSU, UC*

General Ed. Credit: *CSU, Area A3; MPC, Area A2*

PHIL 13 INTRODUCTION TO EASTERN PHILOSOPHY

3 units • LG-P/NP • Three hours lecture

This course surveys the major philosophies of India, China, and Japan, and examines such concepts as karma, bondage, liberation, selflessness, meditation, and self-knowledge. Also offered online.

Advisories: *ENGL 1A*

Credit transferable: *CSU, UC*

General Ed. Credit: *CSU, Area C2; IGETC, Area 3B; MPC, Area C*

PHYSICAL EDUCATION

PHED 6B SOCCER II

.5 unit • LG-P/NP • One and one-half hours lab

A continuation of Soccer I. Students develop intermediate-level skills in offensive and defensive soccer techniques. Intermediate-level soccer strategies for team play are introduced.

Prerequisites: PHED 6A (or PHED 6)

Credit transferable: CSU

PHED 22 INTRODUCTION TO BASKETBALL

.5 unit • LG-P/NP • Two hours activity

Students are introduced to the development of individual and team skills and knowledge. A special emphasis is placed on fundamentals of offense and defense.

Credit transferable: CSU

PHED 42B ATHLETIC TRAINING FIELD EXPERIENCE II

2 units • LG-P/NP • Six hours lab by arrangement

A continuation of PHED 42A. Students learn additional techniques for the practical application of athletic training skills as applied in the athletic training room and at athletic events.

Advisories: PHED 42A (or PHED 42); eligibility for ENGL 1A

Credit transferable: CSU

PHED 61B ELEMENTS OF FOOTBALL II

2 units • LG-P/NP • Two hours lecture

A continuation of Elements of Football I. Students learn more advanced offensive and defensive strategies and techniques used in the game of football.

Prerequisites: PHED 61A (or PHED 61)

Credit transferable: CSU

PHYSICAL FITNESS

PFIT 2 CORE FITNESS TRAINING

1 unit • LG-P/NP • Three hours lab by arrangement

This course is designed to provide strengthening and stretching exercises that improve spine stabilization and core conditioning. It is beneficial for improved athletic performance, activities of daily living, and injury prevention.

Credit transferable: CSU

PFIT 10B INTERMEDIATE WEIGHT TRAINING

.5-1 unit • LG-P/NP • Three hours activity per week by arrangement for each unit of credit

A continuation of PFIT 10A. It offers intermediate weight training exercises and routines for developing and maintaining muscular tone, strength, and endurance.

Prerequisites: PFIT 10A (or PFIT 10)

Credit transferable: CSU

PFIT 16B TAI CHI II

.5-1 unit • LG-P/NP • Two hours activity per week for one-half unit of credit; three hours activity per week for each unit of credit

A continuation of Tai Chi I. It includes a series of slow, gentle movements done at an intermediate level to promote a deeper relationship to the body that increases health, strength, and flexibility if practiced regularly. Class includes exercises at an intermediate level for relaxation, deep breathing, and centering.

Prerequisites: PFIT 16A (or PFIT 16)

Credit transferable: CSU

PFIT 19B BODY SCULPTING II

.5 unit • LG-P/NP • Two hours activity

A continuation of Body Sculpting I. Students are introduced to intermediate muscle resistance exercises and flexibility activities with an emphasis on proper technique and alignment. Students improve muscle endurance, core strength, and functional movement.

Prerequisites: *PFIT 19A (or PFIT 19)*

Credit transferable: *CSU*

PFIT 30B TRIATHLON TRAINING II

1 unit • LG-P/NP • Four hours activity

A continuation of Triathlon Training I. Students learn to design intermediate-level personal training programs for triathlon events, further developing skills in open-water swimming, cycling, and running.

Prerequisites: *PFIT 30A (or PFIT 30)*

Credit transferable: *CSU*

THEATRE ARTS

THEA 35A MUSICAL THEATRE PRODUCTION - CONTEMPORARY

3 units • LG • Nine hours lab by arrangement

This course approaches the staging applications and techniques for singing and acting in a contemporary (post-1970) musical theatre production.

Advisories: *Eligibility for ENGL 1A*

Credit transferable: *CSU*

THEA 58A THEATRE FOR YOUNG AUDIENCES -- COMEDY

3 units • LG • Nine hours lab by arrangement

This course provides instruction and supervised participation in rehearsal and performance of a comedic play/production designed and geared specifically to primarily young audiences.

Advisories: *Eligibility for ENGL 1A*

Credit transferable: *CSU*

THEA 60A STUDIO THEATRE -- COMEDY

3 units • LG • Nine hours lab by arrangement

This course provides instruction and supervised participation in rehearsal and performance elements and techniques for an intimate, black box-style stage comedy production.

Advisories: *Eligibility for ENGL 1A*

Credit transferable: *CSU*

THEA 70A DANCE THEATRE -- CONTEMPORARY

2 units • LG • Six hours lab by arrangement

This course approaches the rehearsal and staging applications and techniques for performing a dancing role in a contemporary (post-1970) musical theatre production.

Credit transferable: *CSU*

TRAVEL STUDY

GENT 199.1 TRAVEL STUDY: JORDAN AND PETRA

1 unit • LG-P/NP • Total hours: Fourteen hours lecture by arrangement; thirty hours lab by arrangement

This course is a travel-study tour of Jordan, including Amman, Jaresh, the Dead Sea, and Petra. Cultures studied include Neolithic, Hellenistic, Roman, Nabatean, Byzantine, Saladin, and Arabic.

Credit transferable: *CSU*