2017-2018 Catalog Addendum

Cerro Coso Community College
3000 College Heights Blvd.
Ridgecrest, CA 93555

www.cerrocoso.edu
760-384-6100

If this material is needed in alternate format for people with disabilities, please contact ACCESS Programs at 760-384-6250.

Disclaimer
Cerro Coso Community College reserves the right to modify its programs, tuitions and fees, admission and graduation requirements, schedules, and other policies, procedures, and regulations stated in this catalog without notice.

Cerro Coso Community College is a member of the Kern Community College District

Publication Staff
Dr. Corey Marvin, Editor
Deborah Gregory, Graphic Design and Layout
Sylvia Sotomayor, Assistant Editor
Accreditation

Cerro Coso Community College is accredited by the Western Association of Schools and Colleges and is fully approved by the Board of Governors, California Community Colleges and other state and federal agencies. The University of California, California State Universities and other Universities and colleges grant credit to lower division transfer courses completed at Cerro Coso Community College.
Program Changes

New Programs

Private and Proprietary Security Academy Job Skills Certificate

The Private and Proprietary Security Academy Job Skills Certificate (2.5 Units) is designed for students pursuing employment as a registered security guard or private security officer and shall follow the standards prescribed by section 7583.6(b) of the Business and Professions Code. The program will provide the student with the required 40 hours of training for state licensure as a Security Guard through the Bureau of Security and Investigative Services, and includes the state mandated licensure exam. Upon completion of this training and successfully passing the state exam, the student may apply to the state for licensure as a Security Guard. State Licensure is contingent on completing the training, obtaining a passing score on the state exam, and a Livescan.

Complete each course to be applied toward the certificate with a grade of “C” or better.

This program prepares students for careers in Private and Proprietary Security: Private Security Guard, Loss Prevention/Assets Protection Specialist, Proprietary Security Officer, and Proprietary Investigator.

Program Learning Outcomes

Upon successful completion of the program, the student will be able to

- Apply statutory and case law to the principles and practice of private security.
- Describe the individual functions and integrations of the components of the criminal justice system and explain how they interact with the private security sector.
- Explain the underlying causes of terrorism.
- Use legal research skills to locate, analyze, and discuss the content of statutory and case law as it applies to merchant privilege and liability.

Courses

Note: Some courses within the major may have a required prerequisite. If you feel you have equivalent knowledge and skills to those included in the prerequisite course through professional experience, licensure or certification, you have the opportunity to submit a Prerequisite Challenge to be reviewed by the faculty chair. For the Prerequisite Challenge to be considered, you must submit documentation/verification to substantiate the basis for the challenge. Please consult a counselor for more information regarding Prerequisite Challenge.

Complete all of the following courses:

- ADMJ C050 Powers to Arrest & Weapons of Mass Destruction .5
- ADMJ C051 Public Relations and Liability .5
- ADMJ C052 Communication, Observation and Documentation .5

Complete two of the following courses:

- ADMJ C053 Search, Seizure, and Preservation of the Scene .5
- ADMJ C054 Officer Safety and First Aid/CPR .5
- ADMJ C055 Conflict Management and Crowd Control .5

Changed Programs

Changes in Red

Liberal Arts: Arts & Humanities Associate in Arts Degree

The Liberal Arts: Arts & Humanities Associate in Arts Degree (60 units total, 18 units in the area of emphasis): The Liberal Arts degrees are designed for students who wish to have a broad knowledge of liberal arts and sciences plus additional coursework in an area of emphasis. This emphasis allows students to satisfy general education requirements as well as focus on transferable course work. It is ideal for students who plan on transferring to California State University (CSU) or University of California (UC) for a major in education or for a major that Cerro Coso does not offer. Please consult with a counselor for information regarding your intended major at the specific college or university of your choice.

Courses in the Liberal Arts: Arts & Humanities AA degree emphasize the study of cultural, literary, humanistic activities, and artistic expression of human beings. Students evaluate and interpret the ways in which people through the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation. Students also
learn to value aesthetic understanding and incorporate these concepts when constructing value judgments. This degree is appropriate for students intending to transfer into such majors as art, English, humanities, and philosophy. If you have questions about whether this degree is an appropriate choice for your major, please consult with a counselor or educational advisor.

A minimum of 18 units are required in one Area of Emphasis listed below. For depth of study, 2 or more courses in one discipline required. For breadth of study, courses must be taken from 2 or more disciplines within the Area of Emphasis. Courses selected may also be used to fulfill GE areas, refer to each transfer institution policy.

Courses required for the Associate degree major at Cerro Coso Community College may not be the same as those required for the corresponding major at a four-year school. Consult a counselor and visit http://www.assist.org/ to identify the courses needed for the major at your transfer school and to develop a plan that will best meet your goals.

You must complete a minimum of 60 units, including the courses listed in the area of emphasis and general education requirements, with an overall GPA of 2.0 or better, and a grade of “A,” “B,” or “C,” in all courses of the area of emphasis. A minimum of 12 units must be completed at Cerro Coso Community College.

Completion of the Cerro Coso Local General Education Pattern DOES NOT prepare a student for transfer. If you are planning to transfer to a four-year school, depending on your transfer goal, you should select Option B or C only. Please consult with a counselor or educational advisor if you have any questions about which option is right for you.

**Program Learning Outcomes**

Upon successful completion of the program, the student will be able to

- Describe how people throughout the ages and in different cultures have responded to themselves and the world around them in artistic and cultural expression.
- Evaluate the significance of artistic and cultural constructions.
- Evaluate the origins, varieties, and meaning of expressions and artifacts of human experience, related to at least one of the following: (a) original written texts in various literary forms, (b) works of visual art and design, (c) musical compositions, or (d) dramatic performance (live theater, dance, film, video, digital, etc.).

**Courses**

Note: Some courses within the major may have a required prerequisite. If you feel you have equivalent knowledge and skills to those included in the prerequisite course through professional experience, licensure or certification, you have the opportunity to submit a Prerequisite Challenge to be reviewed by the faculty chair. For the Prerequisite Challenge to be considered, you must submit documentation/verification to substantiate the basis for the challenge. Please consult a counselor for more information regarding Prerequisite Challenge.

Select at least 18 units from the following courses, including at least two courses marked with an *.

- **ANTH C141** * Native Peoples of North America ............... 3 Units
- **ART C101** * Introduction to Art ................................ 3
- **ART C105** * Survey of Western Art from Prehistory through the Middle Ages ................................. 3
- **ART C106** * Survey of Western Art from Renaissance to Contemporary .................................................. 3
- or **ART C106H** * Survey of Western Art from Renaissance to Contemporary: Honors .......................... 4
- **ART C107** * Survey of Asian Art .............................. 3
- **ART C108** * Modern Art ........................................... 3
- **ART C111** Two Dimensional Design ......................... 3
- **ART C115** Three Dimensional Design ....................... 3
- **ART C121** Drawing I ............................................. 3
- **ART C131** Painting I ........................................... 3
- **ART C151** Sculpture I ........................................... 3
- **ART C221** Drawing II ............................................ 3
- **ASL C101** American Sign Language I ....................... 4
- **ASL C102** American Sign Language II ...................... 4
- **ENGL C102** * Critical Thinking Through Literature .......... 4
- or **ENGL C102H** * Critical Thinking Through Literature: Honors ......................................................... 5
- **ENGL C111** Introduction to Types of Literature ........... 3
- **ENGL C141** Introduction to Creative Writing ............... 3
- **ENGL C221** * World Literature: Antiquity .................. 3
- or **ENGL C221H** * World Literature: Antiquity: Honors .......... 4
- **ENGL C222** * World Literature: 17th Century to Present .............. 3
- or **ENGL C222H** * World Literature: 17th Century to Present: Honors .......................... 4
- **ENGL C231** * Survey of British Literature I: Beginning-1785 .................................................. 3
- **ENGL C232** * Survey of British Literature II: 1785-Present .................................................. 3
- **ENGL C235** * Introduction to Shakespeare ................. 3
- or **ENGL C235H** * Introduction to Shakespeare: Honors .......... 4
- **ENGL C241** * Survey of American Literature I: Beginning-1865 .................................................. 3
- **ENGL C242** * Survey of American Literature II: 1865-Present .................................................. 3
- **ENGL C245** * Women’s Literature .............................. 3
- or **ENGL C245H** * Women’s Literature: Honors .......... 4
- **ENGL C249** * Multi-Ethnic American Literature .......... 3
- **FILM C211** * Hispanic Cinema ............................... 3
- **FREN C101** Elementary French I ............................. 5
- **HIST C103** Western Civilization – Antiquity .............. 3
Describe the nature of science, the methods applied in scientific investigations, and the value of those methods in developing a rigorous understanding of the physical world.

- Apply algebraic, graphical, numerical, and other methods to solve applied problems in the areas of mathematics, natural sciences, computer graphics, and computer animation.

Courses

Note: Some courses within the major may have a required prerequisite. If you feel you have equivalent knowledge and skills to those included in the prerequisite course through professional experience, licensure or certification, you have the opportunity to submit a Prerequisite Challenge to be reviewed by the faculty chair. For the Prerequisite Challenge to be considered, you must submit documentation/verification to substantiate the basis for the challenge. Please consult a counselor for more information regarding Prerequisite Challenge.
Select at least 18 units from the following courses. At least one course must be from Mathematics and at least two courses from the sciences, including one laboratory or field experience course (*).

ANTH C121  Physical Anthropology  3 Units
or ANTH C121H  Physical Anthropology - Honors  4

ANTH C122  Physical Anthropology Laboratory  1

BIOL C101  Principles of Biology  3
BIOL C105*  Concepts of Biology  4
or BIOL C105H*  Concepts of Biology: Honors  5

BIOL C111*  General Biology I  5
or BIOL C111H*  General Biology I: Honors  6

BIOL C112*  General Biology II  5
or BIOL C112H*  General Biology II: Honors  6

BIOL C125*  Survey of Anatomy and Physiology  4
or BIOL C121  Survey of Anatomy and Physiology Lecture  3

BIOL 145*  Environmental Studies  4
or BIOL C141  Environmental Studies Lecture  3

BIOL C251*  Human Anatomy  4
BIOL C255*  Human Physiology  4
BIOL C262*  General Microbiology  5

CHEM C101*  Introduction to Chemistry  4
CHEMC111*  General Inorganic Chemistry I  5

CHEM C113*  General Inorganic Chemistry II  5
or CHEM C113H*  General Inorganic Chemistry II: Honors  5

CHEM C221*  Organic Chemistry I  5
CHEM C223*  Organic Chemistry II  5
or CHEM C223H*  Organic Chemistry II: Honors  5

CSCI C251  Introduction to Programming Concepts and Methodologies  3
CSCI C252  Introduction to Computer Science  3
CSCI C254  Object Oriented Programming  3
CSCI C255  Discrete Structures  3
CSCI C265  Introductory C++ Programming  3
CSCI C267  Introduction to JAVA Programming  3

GEOG C101  Physical Geography Lecture  3
GEOG C111*  Physical Geography  4

GEOL C111*  Physical Geology  4

MATH C121*  Elementary Probability and Statistics  4
or MATH C121H  Elementary Probability and Statistics - Honors  5

MATH C130  Finite Mathematics  4
MATH C131  Basic Functions and Calculus for Business  4

MATH C141  College Algebra  4
MATH C142  Trigonometry  4
MATH C151  Analytic Geometry and Calculus I  5
MATH C152  Analytic Geometry and Calculus II  5
MATH C251  Analytic Geometry and Calculus III  5
MATH C255  Ordinary Differential Equations  4
MATH C257  Linear Algebra  4

PHSC C105*  General Earth Sciences  4
or PHSC C101  General Earth Sciences Lecture  3

PHSC C115*  Physical Science  4
or PHSC C111  Physical Science Lecture  3

PHSC C121  Astronomy Lecture  3

PHSC C125*  Astronomy  4
PHSC C131  Introduction to Meteorology Lecture  3

PHSC C132*  Introduction to Meteorology Laboratory  1
PHSC C135*  Introduction to Meteorology  4

PHYS C111*  Mechanics  5
PHYS C113*  Electricity and Magnetism  5
PHYS C211*  Waves, Optics and Modern Physics  5

Complete one of the following general education patterns:

OPTION A  Cerro Coso Local General Education Pattern
OPTION B  CSU General Education Breadth
OPTION C  IGETC - Interssegmental General Education Transfer Curriculum

Liberal Arts: Social & Behavioral Sciences Associate in Arts Degree

The Liberal Arts: Social & Behavioral Sciences Associate in Arts Degree (60 units total, 18 units in the area of emphasis): The Liberal Arts degrees are designed for students who wish to have a broad knowledge of liberal arts and sciences plus additional coursework in an “Area of Emphasis.” This emphasis allows students to satisfy general education requirements as well as focus on transferable course work. It is ideal for students who plan on transferring to a California State University (CSU) or a University of California (UC) in a major that Cerro Coso does not offer.

Courses in the Liberal Arts: Social & Behavioral Sciences AA degree emphasize the perspectives, concepts, theories and methodologies of the disciplines that comprise study in the social and behavioral sciences. Students study about themselves and others as members of a larger society. Topics and discussion to stimulate critical thinking about ways people have acted in response to their societies allow students to evaluate how societies and social subgroups operate. This degree is appropriate for students intending to transfer into such majors as anthropology, economics, history, political science, and sociology. If you have questions about whether this area of emphasis is an appropriate choice for your major, please consult with a counselor or educational advisor.

A minimum of 18 units are required in one Area of Emphasis listed below. For depth of study, 2 or more courses in one discipline required. For breadth of study, courses must be taken from 2 or more disciplines within the Area of Emphasis. Courses selected may also be used to fulfill GE areas, refer to each transfer institution policy.

Courses required for the associate degree major at Cerro Coso Community College may not be the same as those required for the major at a four-year school. Consult a counselor and visit http://www.assist.org/
to identify the courses needed for the major at your transfer school and to develop a plan that will best meet your goals.

You must complete a minimum of 60 units, including the courses listed in the area of emphasis and general education requirements, with an overall GPA of 2.0 or better, and a grade of “A,” “B,” or “C,” in all courses of the area of emphasis. A minimum of 12 units must be completed at Cerro Coso Community College.

Completion of the Cerro Coso Local General Education pattern DOES NOT prepare a student for transfer. If you are planning to transfer to a four-year school depending on your transfer goal you should select Option B or C only. Please consult with a counselor or educational advisor if you have any questions about which option is right for you.

**Program Learning Outcomes**

Upon successful completion of the program, the student will be able to

- Apply major concepts and methods used by social or behavioral scientists to investigate, to analyze, or to predict human or group behavior.
- Evaluate how social scientists view the ways that individuals and societies are interconnected within social, historical, political, and cultural environments.

**Courses**

*Note: Some courses within the major may have a required prerequisite. If you feel you have equivalent knowledge and skills to those included in the prerequisite course through professional experience, licensure or certification, you have the opportunity to submit a Prerequisite Challenge to be reviewed by the faculty chair. For the Prerequisite Challenge to be considered, you must submit documentation/verification to substantiate the basis for the challenge. Please consult a counselor for more information regarding Prerequisite Challenge.*

Select at least 18 units from the following courses:

<table>
<thead>
<tr>
<th>ADMJ C101</th>
<th>Introduction to Administration of Justice</th>
<th>3 Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH C111</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH C121</td>
<td>Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>or ANTH C121H</td>
<td>Physical Anthropology - Honors</td>
<td>4</td>
</tr>
<tr>
<td>ANTH C131</td>
<td>Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH C141</td>
<td>Native Peoples of North America</td>
<td>3</td>
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<tr>
<td>CHDV C104</td>
<td>Child, Family and Community</td>
<td>3</td>
</tr>
<tr>
<td>CHDV C105</td>
<td>Infant and Toddler Development</td>
<td>3</td>
</tr>
<tr>
<td>CHDV C106</td>
<td>Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>CHDV C107</td>
<td>School Age Development</td>
<td>3</td>
</tr>
<tr>
<td>ECON C101</td>
<td>Introduction to Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON C102</td>
<td>Macroeconomics</td>
<td>3</td>
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<tr>
<td>ECON C103</td>
<td>Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>HCRS C250</td>
<td>Cultural Diversity in Health Care</td>
<td>3</td>
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<tr>
<td>HCRS C260</td>
<td>Ethics for the Health Professional</td>
<td>3</td>
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<tr>
<td>HIST C103</td>
<td>Western Civilization – Antiquity to the Renaissance</td>
<td>3</td>
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<tr>
<td>or HIST C103H</td>
<td>Western Civilization – Antiquity to the Renaissance: Honors</td>
<td>4</td>
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<tr>
<td>HIST C104</td>
<td>Western Civilization – Renaissance to the Modern Era</td>
<td>3</td>
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<tr>
<td>or HIST C104H</td>
<td>Western Civilization – Renaissance to the Modern Era: Honors</td>
<td>4</td>
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<tr>
<td>HIST C118</td>
<td>California History</td>
<td>3</td>
</tr>
<tr>
<td>HIST C131</td>
<td>History of United States to 1877</td>
<td>3</td>
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<tr>
<td>or HIST C131H</td>
<td>History of United States to 1877: Honors</td>
<td>4</td>
</tr>
<tr>
<td>HIST C132</td>
<td>History of United States from 1877 to Present</td>
<td>3</td>
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<tr>
<td>or HIST C132H</td>
<td>History of United States from 1877 to Present: Honors</td>
<td>4</td>
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<tr>
<td>HIST C209</td>
<td>History of Mexico</td>
<td>3</td>
</tr>
<tr>
<td>MATH C121</td>
<td>Elementary Probability and Statistics</td>
<td>4</td>
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<tr>
<td>or MATH C121H</td>
<td>Elementary Probability and Statistics – Honors</td>
<td>5</td>
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<tr>
<td>PHIL C131</td>
<td>Logic and Critical Reasoning</td>
<td>3</td>
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<tr>
<td>POLS C101</td>
<td>American Government</td>
<td>3</td>
</tr>
<tr>
<td>or POLS C101H</td>
<td>American Government: Honors</td>
<td>4</td>
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<tr>
<td>POLS C102</td>
<td>Comparative Government</td>
<td>3</td>
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<tr>
<td>POLS C103</td>
<td>Introduction to Political Theory</td>
<td>3</td>
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<tr>
<td>PSYC C101</td>
<td>General Psychology</td>
<td>3</td>
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<tr>
<td>or PSYC C101H</td>
<td>General Psychology: Honors</td>
<td>4</td>
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<tr>
<td>PSYC C112</td>
<td>Psychology of Substance Abuse</td>
<td>3</td>
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<tr>
<td>PSYC C151</td>
<td>Human Sexuality</td>
<td>3</td>
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<tr>
<td>PSYC C181</td>
<td>Lifespan Development</td>
<td>3</td>
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<tr>
<td>PSYC C220</td>
<td>Physiological Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC C241</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC C271</td>
<td>Research Methods in the Social and Behavioral Sciences</td>
<td>3</td>
</tr>
<tr>
<td>SOCI C101</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI C131</td>
<td>Sociology of Gender</td>
<td>3</td>
</tr>
<tr>
<td>SOCI C151</td>
<td>Perspectives on Race and Ethnicity</td>
<td>3</td>
</tr>
<tr>
<td>SOCI C161</td>
<td>Crime and Society</td>
<td>3</td>
</tr>
<tr>
<td>SOCI C210</td>
<td>Diversity and Film</td>
<td>3</td>
</tr>
</tbody>
</table>

Complete one of the following general education patterns:

- **OPTION A** Cerro Coso Local General Education Pattern
- **OPTION B** CSU General Education Breadth
- **OPTION C** IGETC - Intersegmental General Education Transfer Curriculum

**Web Professional Associate in Science Degree**

The Web Professional Associate of Science Degree (60 units total, 28 units in major) is designed to prepare students for employment or self-employment as web designers or developers, emphasizing standards-based coding, usability, accessibility, and creative problem solving. Adding to this foundation, students choose one of two options: design or development. With the
former, students acquire multimedia design skills, and with the latter they acquire web programming skills. Students obtain skills in Adobe applications, as well as open source products. Students develop realistic expectations about work conditions through individual and collaborative work-based projects and by learning in the same technological environment in which they will eventually work. The web development option is also designed to equip students for Certified Internet Web Professional certifications, including the Web Foundations Associate Series and the Web Design Specialist certifications.

This degree is NOT specifically designed for transfer. Courses required for the Associate degree major at Cerro Coso Community College may not be the same as those required for a major at a four-year school. If you do plan to transfer, consult a counselor and visit http://www.assist.org/ to identify the courses needed for the major at your transfer school and to develop a plan that will best meet your goals.

You must complete a minimum of 60 units, including the courses listed in the major and general education requirements, with an overall GPA of 2.0 or better, and a grade of “A,” “B,” or “C” in all courses for the major. A minimum of 12 units must be completed at Cerro Coso Community College.

P/NP grading may not be used for courses in a student’s major field.

Program Learning Outcomes

Upon successful completion of the program, the student will be able to

- Identify concepts of Internet technology, databases, eCommerce, and electronic communications.
- Demonstrate technical mastery of open-source and commercial software applications to produce web content and media.
- Use valid markup, cascading style sheets, semantic encoding, accessibility compliance, and error-free scripting in the creation of web content.
- Apply principles of user-centered design, develop an attractive, accessible, and usable web site or mobile application.
- Demonstrate professionalism in leadership, project management, and communications skills.

Courses

Note: Some courses within the major have a required prerequisite.

If you feel you have equivalent knowledge and skills to those included in the prerequisite course through professional experience, licensure or certification, you have the opportunity to submit a Prerequisite Challenge to be reviewed by the Department Chair. For the Prerequisite Challenge to be considered, you must submit documentation and verification to substantiate the basis for the challenge. Please see a counselor for more information about the Prerequisite Challenge process.

Core Requirements (Complete all of the following courses)

CSCI C101 Introduction to Computer Information Systems........................3 units
DMA C102 Digital Imaging.....................................................3 units
DMA C111 Fundamentals of Web Development.........................3 units
DMA C113 Accessibility and UX Design..............................4 units
DMA C280 Production Management.................................3 units

Students must additionally complete 1 of the following options:

Option 1: Design (Complete 12 units)

DMA C107 Computer Illustration.................................3 units
DMA C117 Web Design.........................................................3 units
DMA C131 Digital Video Production.................................3 units
DMA C201 E-Commerce.........................................................3 units

Option 2: Development (Complete 12 units)

DMA C119 Advanced Web Development..........................3 units
DMA C211 Web Scripting with Javascript........................3 units
DMA C213 Web Development with PHP and MySQL........3 units
DMA C214 Web Development with Python.........................3 units

Complete one of the following general education patterns:

OPTION A Cerro Coso Local General Education Pattern
OPTION B CSU General Education Breadth
OPTION C IGETC—Intersegmental General Education Transfer Curriculum

Web Professional Certificate of Achievement

The Web Professional Certificate of Achievement (28 Units) is designed to prepare students for employment or self-employment as web designers or developers, emphasizing standards-based coding, usability, accessibility, and creative problem solving. Adding to this foundation, students choose one of two options: design or development. With the former, students acquire multimedia design skills, and with the latter they acquire web programming skills. Students obtain skills in Adobe applications, as well as open source products. Students develop realistic expectations about work conditions through individual and collaborative work-based projects and by learning in the same technological environment in which they will eventually work. The web development option is also designed to equip students for Certified Internet
Web Professional certifications, including the Web Foundations Associate Series and the Web Design Specialist certifications.

Students must complete 28 units in the program with a grade of “A,” “B,” or “C” in all courses for the major. P/NP grading may not be used for courses in a student’s major field.

This program prepares students for careers in Information Technology: Web Design, Web Development.

**Program Learning Outcomes**

Upon successful completion of the program, the student will be able to

- Identify concepts of Internet technology, databases, eCommerce, and electronic communications.
- Demonstrate technical mastery of open-source and commercial software applications to produce web content and media.
- Use valid markup, cascading style sheets, semantic encoding, accessibility compliance, and error-free scripting in the creation of web content.
- Apply principles of user-centered design, develop an attractive, accessible, and usable web site or mobile application.
- Demonstrate professionalism in leadership, project management, and communications skills.

**Courses**

*Note: Some courses within the major have a required prerequisite. If you feel you have equivalent knowledge and skills to those included in the prerequisite course through professional experience, licensure or certification, you have the opportunity to submit a Prerequisite Challenge to be reviewed by the Department Chair. For the Prerequisite Challenge to be considered, you must submit documentation and verification to substantiate the basis for the challenge. Please see a counselor for more information about the Prerequisite Challenge process.*

**Core Requirements (Complete all of the following courses)**

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CSCI C101</td>
<td>Introduction to Computer Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>DMA C102</td>
<td>Digital Imaging</td>
<td>3</td>
</tr>
<tr>
<td>DMA C111</td>
<td>Fundamentals of Web Development</td>
<td>3</td>
</tr>
<tr>
<td>DMA C113</td>
<td>Accessibility and UX Design</td>
<td>4</td>
</tr>
<tr>
<td>DMA C280</td>
<td>Production Management</td>
<td>3</td>
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</tbody>
</table>

Students must additionally complete 1 of the following options:

**Option 1: Design (Complete 12 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMA C107</td>
<td>Computer Illustration</td>
<td>3</td>
</tr>
<tr>
<td>DMA C117</td>
<td>Web Design</td>
<td>3</td>
</tr>
<tr>
<td>DMA C131</td>
<td>Digital Video Production</td>
<td>3</td>
</tr>
<tr>
<td>DMA C201</td>
<td>E-Commerce</td>
<td>3</td>
</tr>
</tbody>
</table>

**Option 2: Development (Complete 12 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMA C119</td>
<td>Advanced Web Development</td>
<td>3</td>
</tr>
<tr>
<td>DMA C211</td>
<td>Web Scripting with Javascript</td>
<td>3</td>
</tr>
<tr>
<td>DMA C213</td>
<td>Web Development with PHP and MySQL</td>
<td>3</td>
</tr>
<tr>
<td>DMA C214</td>
<td>Web Development with Python</td>
<td>3</td>
</tr>
</tbody>
</table>
### New Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Course Title</th>
<th>Limitation on Enrollment</th>
<th>Prerequisite(s)</th>
<th>Repeat Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADMJ C050</td>
<td>0.5</td>
<td>Powers to Arrest &amp; Weapons of Mass Destruction</td>
<td>Student must have reached their 18th birthday prior to completion of the course. Required by Statute.</td>
<td></td>
<td>Not repeatable</td>
</tr>
<tr>
<td>ADMJ C051</td>
<td>0.5</td>
<td>Public Relations and Liability</td>
<td>Student must have reached their 18th birthday prior to completion of the course. Required by Statute.</td>
<td>ADMJ C050</td>
<td>Unlimited</td>
</tr>
<tr>
<td>ADMJ C052</td>
<td>0.5</td>
<td>Communication, Observation and Documentation</td>
<td>Student must have reached their 18th birthday prior to completion of the course. Required by Statute.</td>
<td>ADMJ C050</td>
<td>Unlimited</td>
</tr>
<tr>
<td>ADMJ C053</td>
<td>0.5</td>
<td>Search, Seizure, and Preservation of the Scene</td>
<td>Student must have reached their 18th birthday prior to completion of the course. Required by Statute.</td>
<td>ADMJ C050</td>
<td>Unlimited</td>
</tr>
<tr>
<td>ADMJ C054</td>
<td>0.5</td>
<td>Officer Safety and First Aid/CPR</td>
<td>Student must have reached their 18th birthday prior to completion of the course. Required by Statute.</td>
<td>ADMJ C050</td>
<td>Unlimited</td>
</tr>
<tr>
<td>ADMJ C055</td>
<td>0.5</td>
<td>Conflict Management and Crowd Control</td>
<td>Student must have reached their 18th birthday prior to completion of the course. Required by Statute.</td>
<td>ADMJ C050</td>
<td>Unlimited</td>
</tr>
<tr>
<td>DMA C131</td>
<td>3</td>
<td>Digital Video Production</td>
<td>Not repeatable</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ADMJ C050**
- **Limitation on Enrollment:** Student must have reached their 18th birthday prior to completion of the course. Required by Statute.
- **Repeat Status:** Not repeatable

This course familiarizes and instructs the individual on the training topics delineated at Business and Professions Code section 7583.7, including legal aspects, techniques, liability, and company requirements relating to the arrest of an individual. The training utilizes the Department of Consumer Affairs’ Power to Arrest Training Manual. In addition the students learn the subject matter and observation skills required to identify and report precursor activities to a terrorist event, react appropriately, report the occurrence of a terrorist event, and remain safe while helping control the scene after a terrorist event. The training utilizes the Department of Consumer Affairs’ Weapons of Mass Destruction & Terrorism Awareness for Security Professionals course consisting of a Digital Video Disk (DVD), Student Workbook, and Facilitator Manual.

**ADMJ C051**
- **Limitation on Enrollment:** Student must have reached their 18th birthday prior to completion of the course. Required by Statute.
- **Prerequisite:** ADMJ C050
- **Repeat Status:** Unlimited

This course covers the required learning domains outlined in section 7583.6(b) of the Business and Professions Code for newly licensed security officers concerning the importance of public relations with both community and customer. The course provides important information concerning discrimination, diversity, substance abuse, and the mentally ill. The course includes communication skills and de-escalation techniques for crisis intervention. The course also provides the required learning domains surrounding security officers and liability in the course of their duties.

**ADMJ C052**
- **Limitation on Enrollment:** Student must have reached their 18th birthday prior to completion of the course. Required by Statute.
- **Prerequisite:** ADMJ C050
- **Repeat Status:** Unlimited

This course covers the required learning domains as prescribed by the Bureau of Security and Investigative Services in section 7583.6(b) of the Business and Professions Code in reference to communication, observation, and documentation.

**ADMJ C053**
- **Limitation on Enrollment:** Student must have reached their 18th birthday prior to completion of the course. Required by Statute.
- **Prerequisite:** ADMJ C050
- **Repeat Status:** Unlimited

This course is designed to provide the student with information concerning the legal powers of a security/proprietary officer to perform a search and/or seizure. The course also covers the methods for, and importance of, preserving the incident scene.

**ADMJ C054**
- **Limitation on Enrollment:** Student must have reached their 18th birthday prior to completion of the course. Required by Statute.
- **Prerequisite:** ADMJ C050
- **Repeat Status:** Unlimited

This course provides the student with the knowledge and skills required to identify potentially hazardous situations including environmental, chemical, biological, and situational dangers. The student also receives instruction on basic first aid and CPR.

**ADMJ C055**
- **Limitation on Enrollment:** Student must have reached their 18th birthday prior to completion of the course. Required by Statute.
- **Prerequisite:** ADMJ C050
- **Repeat Status:** Unlimited

This course provides the student with the knowledge and skills necessary for conflict management in a private security setting. The course provides information on verbal diffusion and negotiations. The student also learns the various tactics and tools employed in crowd control situations.

**DMA C131**
- **Repeat Status:** Not repeatable

This course introduces digital video production techniques including: single camera operation and procedures, basic principles and techniques of sound and scriptwriting, and digital video editing. Course topics include the operation of digital camcorders, lighting and sound equipment; post-production digital editing suites; concepts and techniques of nonlinear digital editing, including organization of the editing process; and working timeline and audio editing, with emphasis on the principles and aesthetics of video editing.
DMA C214 A/CSU 3 Units
Web Development with Python
Advisory: DMA C211
Repeat Status: Not repeatable
This course introduces students to the fundamentals of web site and web application development using Python. Students learn basic programming concepts such as variables, objects, conditionals, data types, iteration, functions, containers, expressions, and string methods in a desktop environment. Students then apply that knowledge to gain experience using web services and creating a web page with Python. Students must have existing proficiency in Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) and have an understanding of basic programming concepts to be successful in this class.

EMTC C107 A/CSU 9.5 Units
Emergency Medical Technician for Law Enforcement
Prerequisite: ADMJ C145 or equivalent

Revised Courses

Changes in Red

ADMJ C143 A/CSU 10.00 Units
Basic Peace Officer Academy Modular Format Level II
Limitation on Enrollment: Must successfully pass a fingerprint check through the California Department of Justice and meet the entry requirements established by the California Commission on Peace Officer Standards and Training (POST) for this course.
Prerequisite: ADMJ C142
Repeat Status: Not repeatable
This course is designed to fulfill State of California Peace Officer Standards and Training requirements for Level I academy certification. This course prepares students to successfully transition to the Basic Academy Modular Level I Course. A successful Livescan fingerprint background check is required. 162 hours lecture/54 hours laboratory.

CHEM C223H A/UC/CSU 6.00 Units
Organic Chemistry II: Honors Undergraduate Laboratory Research
Limitation on Enrollment: Acceptance to the Honors Program or eligibility for this honors course as determined by the instructor.
Prerequisite: CHEM C221
Repeat Status: Not repeatable
In this course students learn about the chemistry of aromatic compounds, alcohols, thiols, ethers, epoxides and sulfides, aldehydes, ketones, carboxylic acid and carboxylic acid derivatives, amino acids, proteins, amines, phenols, carbohydrates, lipids, heterocycles polymers, biological systems. Pericyclic, carbonyl condensation, alpha substitution and other reaction mechanisms are also covered. This Organic Chemistry II honors course is taught according to the standards developed by the American Chemical Society. This honors course provides more content and requires greater intensity and depth of study above and beyond that of the non-honors class. 90 hours lecture/54 hours laboratory.

EMTC C105 A/CSU 9.50 Units
Emergency Medical Technician
Advisory: ENGL C101, HCRS C150
Repeat Status: Not repeatable
This course provides instruction in pre-hospital techniques in the evaluation and emergency medical care through the recognition of signs and symptoms of illnesses and injuries. This course also includes instruction in the care rendered
on scene and during transportation by EMT personnel. The student shall meet health requirements to participate in the clinical section of the course. Any expenses involved in meeting the health requirement are at the student’s expense. Failure to meet the health requirements results in student ineligibility for clinical objectives. Upon successful completion of the mandated course criteria the student receives a Certificate of Completion and this qualifies the student to apply and take the national exam for the Emergency Medical Technician, to ultimately qualify for application within the State of California to become certified. The student must provide a valid American Heart Association Healthcare Provider CPR/AED card to the instructor at the first class session to remain enrolled in this course. 162 hours lecture/27 hours laboratory.

EMTC C205 A 1.50 Units
Emergency Medical Technician Refresher
Prerequisite: Current Certification as an Emergency Medical Technician; or successful completion of the EMTC C105 Emergency Medical Technician course within the previous 24 months; or have an expired Emergency Medical Technician certification no greater then 24 months.
Repeat Status: Not repeatable
This course provides a review of the current standards and techniques used by Emergency Medical Technicians in evaluating and providing emergency medical care through recognition of signs and symptoms of illnesses and injuries. This is required for renewal of core competencies, practical skill application and current standards and procedures of emergency care and transportation aspects required for Emergency Medical Technicians. 24 hours of continuation education units will be issued upon successful completion and meeting standards with an 80% or greater. Successful completion of this course qualifies the student to receive 24-hours of continuing education and a state practical skill form. This course may be used for candidates extending their eligibility to apply and take the national exam for the Emergency Medical Technician, to ultimately qualify for application within the State of California. To enroll in this course, students must have completed the EMTC C105 course within the previous 24 months; or be currently certified as an Emergency Medical Technician; or not have lapsed as a certified Emergency Medical Technician for greater than 24 months as per state requirements. 24 hours lecture/8 hours laboratory.

MATH C121 A/UC/CSU 4.00 Units
Elementary Probability and Statistics
Prerequisite: MATH C053 or MATH C055
Repeat Status: Not repeatable
This course covers data analysis using descriptive and inferential statistics. Graphs and computations include measures of central tendency and dispersion, correlation and regression, and presentation of data on a histogram, scatter plot, box plot, and the normal curve. Probability concepts include those for discrete and continuous random variables. Sampling and hypothesis testing are covered for means and variances. 72 hours lecture.

MATH C121H A/UC/CSU 5.00 Units
Elementary Probability and Statistics: Honors
Limitation on Enrollment: Acceptance to the Honors Program or eligibility for this honors course as determined by the instructor.
Prerequisite: ENGL C070, MATH C053 or MATH C055
Repeat Status: Not repeatable
This course covers elements of descriptive statistics, measures of central tendency, dispersion and presentation of data. Included are concepts of probability, random variables and normally distributed random variables. Sampling error, sampling processes and the distribution of sample means are applied to real life examples. Students will conduct hypothesis testing of means and proportions for one and two populations and linear regression testing using the least squares criterion. Students use descriptive and inferential methods employing linear regression and study one and two way analysis of variance. The honors section provides more content and requires greater intensity and depth of study than the non-honors class. 90 hours lecture.

SPAN C180 A/UC/CSU 3.00 Units
Spanish for Native Speakers
Advisory: SPAN C102
Repeat Status: Not repeatable
This course is designed for native Spanish speakers, who already speak, read and write the language but wish to develop their fluency further through vocabulary building, spelling and accentuation rules, cognates, grammatical structures and composition. Cultural topics will also be in order for students to have a deeper understanding and awareness of their cultural heritage. This course is taught in Spanish. 54 hours lecture.

Deleted Courses
ASL C100 Deaf History
CSCI C140 A+ Essential Skills for Computers
CSCI C141 A+ Standard Skills for IT^ Tech
CSCI C171 Intro to Internet/WWW
CSCI C241 Intro to Telecommunications
ENGL C042 Preparation for Introductory Composition
HCRS C070 CPR for the Health Care Provider
HCRS C106 First Aid/Cardio Resuscitation/ Automated External Defibrillator
MATH C101 Survey of Mathematical Concepts
PHIL C164 Survey of World Religions