

2016-2017 Catalog Addendum

Cerro Coso Community College

3000 College Heights Blvd.
Ridgecrest, CA 93555

www.cerrocoso.edu

760-384-6100

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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.

Changes to Programs of Study

New Program Added to Catalog

Cyber Security Technician Associate of Science Degree

The goals of this new degree are to fill a documented need in the area of cyber security, information security and information assurance of our service area employers. The degree is designed for students pursuing professional employment in information security for business. This degree program provides students with skills to enter the job market as information security specialists, information security technicians, information assurance technicians, networking security technicians, and cyber security technicians. Designed for both full and part-time students, this program is appropriate to both those currently employed and those seeking to enter this field. The courses are aligned with industry degree and students are prepared to take the A+ exam, Net+ exam, Security+ and Server+ exam.

Cyber Security Technician Associate of Science degree is designed for students pursuing professional employment in information security for business. This degree program provides students with skills to enter the job market as information assurance technicians, information security analysts, network security professionals and cyber security technicians. Designed for both full-time and part-time students, this program is appropriate to both those currently employed and those seeking to enter the field. This degree program is also transferable to California State University at San Bernardino.

Students exiting this program are prepared to enter the fields of information security, network security, information assurance or cyber security.

Program Learning Outcomes

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

- Configure, install, diagnose, and support hardware and software issues.
- Utilize identifying tools and methodologies that hackers use to break into a network computer and defend a computer and local area network against a variety of different types of security attacks using a number of hands-on techniques.
- Design, analyze, and support computer networks.
- Apply problem-solving, programming, and application

development including the ability to design, test, debug, and implement complex computer programs.

- Operate servers, storage, and virtualization including implementing and evaluating network security solutions.
- Read and interpret technical information, as well as communicate with and write clearly for wide ranges of audiences.

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 the following courses:

CSCI C101	Introduction to Computer Information Systems.....	3 Units
CSCI C142	Information & Communication Technology Essentials	4
CSCI C143	Computer Network Fundamentals	3
CSCI C146	Security+ Fundamentals of Networks.....	3
CSCI C251	Introduction to Programming Concepts and Methodologies	3
CSCI C190	Introduction to Cyber Security: Ethical Hacking	3
CSCI C193	System and Network Administration.....	3
CSCI C195	Introduction to Systems Analysis and Design.....	3

Complete one of the following courses:

MATH C121	Elementary Probability and Statistics	4 Units
or MATH C121H	Elementary Probability and Statistics – Honors.....	5
MATH C130	Finite Mathematics	4
MATH C131	Basic Functions and Calculus for Business	4

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

Cyber Security Technician Certificate

The goals of this new degree are to fill a documented need in the area of cyber security, information security and information assurance of our service area employers. The degree is designed for students pursuing professional employment in information security for business. This degree program provides students with skills to enter the job market as information security specialists, information security technicians, information assurance technicians, networking security technicians, and cyber security technicians. Designed for both full and part-time students, this program is appropriate to both those currently employed and those seeking to enter this field. The courses are aligned with industry degree and students are prepared to take the A+ exam, Net+ exam, Security+ and Server+ exam.

Cyber Security Technician Certificate of Achievement is designed for students pursuing professional employment in information security for business. This certificate program provides students with skills to enter the job market as information assurance technicians, information security analysts, network security professionals and cyber security technicians. Designed for both full-time and part-time students, this program is appropriate to both those currently employed and those seeking to enter the field.

Students exiting this program are prepared to enter the fields of information security, network security, information assurance or cyber security. Students entering this program develop all the skills necessary to be successful are taught in the first course in the career pathway (CSCI C101). Jobs in information security and cyber security are in high demand and pay from \$86,000 (per Labor Market data attached).

Program Learning Outcomes

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

- Configure, install, diagnose, and support hardware and software issues.
- Utilize identifying tools and methodologies that hackers use to break into a network computer and defend a computer and local area network against a

variety of different types of security attacks using a number of hands-on techniques.

- Design, analyze, and support computer networks.
- Apply problem-solving, programming, and application development including the ability to design, test, debug, and implement complex computer programs.
- Operate servers, storage, and virtualization including implementing and evaluating network security solutions.
- Read and interpret technical information, as well as communicate with and write clearly for wide ranges of audiences.

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 the following courses:

CSCI C101	Introduction to Computer Information Systems.....	3 Units
CSCI C142	Information & Communication Technology Essentials	4
CSCI C143	Computer Network Fundamentals	3
CSCI C146	Security+ Fundamentals of Networks.....	3
CSCI C251	Introduction to Programming Concepts and Methodologies	3
CSCI C190	Introduction to Cyber Security: Ethical Hacking	3
CSCI C193	System and Network Administration	3
CSCI C195	Introduction to Systems Analysis and Design.....	3

Complete one of the following courses:

MATH C121	Elementary Probability and Statistics	4 Units
or MATH C121H	Elementary Probability and Statistics – Honors.....	5
MATH C130	Finite Mathematics	4
MATH C131	Basic Functions and Calculus for Business	4

Updated Program

Changes are highlighted in red

Child Development Site Supervisor Certificate of Achievement

The Child Development Site Supervisor Certificate of Achievement (33 units) is designed to provide students with a complete educational foundation to work as an administrator of programs serving children in a group setting and includes required classes in the core areas (development; child, family, and community; curriculum); six administration units; and adult supervision units.

The California Child Development Permit Matrix requirements are reflected in our program allowing students to qualify for the permits required or teaching in programs governed by Title V and funded by contracts with the State of California. Permits are issued by the State Department of Education, California Commission on Teacher Credentialing (not Cerro Coso) and include: Assistant Teacher, Associate Teacher, Teacher and Site Supervisor Permits.

All professionals working with children are required to have a clean criminal record, to demonstrate freedom from tuberculosis (TB), and to demonstrate the physical ability to perform all of the duties of a professional position working directly with children.

Complete each course to be applied toward the certificate with a grade of "C" or better, or with a grade of "P" if the course is taken on a pass/no pass basis.

The requirements for this program are complex. You MUST meet with a Child Development faculty member AND a counselor.

Program Learning Outcomes

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

- Examine teaching and care practices that provide a developmentally appropriate program to support children's growth, development, and learning.
- Identify one's own values, experiences, and philosophies and how they guide and inform practice.
- Integrate understandings of children's development and needs to maintain healthy, safe, supportive, and challenging learning environments that demonstrate culturally relevant, inclusive, age-appropriate, and anti-bias approaches respectful of children, families, and early learning professionals.
- Design appropriate strategies and program policies in

compliance with California state laws and regulations that guide the administration of respectful and responsive quality care and education programs.

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 the following courses:

CHDV C100	Principles and Practices of Teaching	3 Units
CHDV C102	Introduction to Materials and Curriculum	3
CHDV C104	Child, Family, and Community	3
CHDV C106	Child Growth and Development.....	3
CHDV C121	Health, Safety and Nutrition.....	3
CHDV C125	Diversity in Education	3
CHDV C200	Observation and Assessment.....	3
CHDV C203	Practicum - Field Experience	3
CHDV C251	Administration of Child Development Programs I	3
CHDV C252	Administration of Child Development Programs II	3
CHDV C281	Adult Supervision.....	3

Permit

STATE OF CALIFORNIA CHILD DEVELOPMENT PERMIT: The California Commission on Teacher Credentialing grants permits in accordance with the Child Development Permit Matrix. Applications are separate from Cerro Coso Community College and must be submitted to California Commission on Teacher Credentialing. Contact any Child Development faculty member or visit the California Commission on Teacher Credentialing website at <http://www.ctc.ca.gov/> for more information regarding the Permit Matrix and Professional Growth Advisors. For all permits, all course work must be completed with a grade of "C" or better.

Site Supervisor Permit: Teacher Certificate requirements plus experience of 350 days of 3+ hours per day within 4 years including at least 100 days supervising adults plus 16 general education units in English/Language Arts, Math/Science, Social Sciences, and Humanities/Fine Arts.

Course Descriptions

Courses Deleted from Catalog

BIOL C101H

SPAN C110

New Courses Added to Catalog

ADMJ C140

N
0.50 Units

Law Enforcement Training Academy Orientation

Repeat Status: Not repeatable

This orientation course prepares students for the Law Enforcement Academy. A series of self-assessment activities and exercises help students understand the Academy challenges and requirements. This course is presented in a rigorous and disciplined training environment. Students participate in activities designed to simulate the Cerro Coso Law Enforcement Academy to assess individual emotional, mental and physical readiness for the Academy. 9 hours lecture.

CHDV C141

A/CSU
3.00 Units

Introduction to Children with Special Needs

Advisory: ENGL C070 and LIBR C100
Repeat Status: Not repeatable

This course introduces the variations in development of children with special needs ages birth through eight and the resulting impact on families. The course includes an overview of historical and societal influences, laws relating to children with special needs, and the identification and referral process. Students are required to observe children in a group setting. 54 hours lecture.

CSCI C190

A/CSU
3 Units

Introduction to Cybersecurity: Ethical Hacking

C-ID: ITIS 164 Introduction to Cybersecurity: Ethical Hacking

Advisory: CSCI C101, CSCI C143, CSCI C146

Repeat Status: Non-Repeatable

This course introduces the network security specialist to the various methodologies for attacking a network. Students are introduced to the concepts, principles, and techniques, supplemented by hands-on exercises, for attacking and disabling a network within the context of properly securing a network. The course emphasizes network attack methodologies with the emphasis on student use of network attack techniques and tools and appropriate defenses and countermeasures. Students receive course content information through a variety of methods: lecture and demonstration of hacking tools are used in addition to a virtual environment. Students experience a hands-on practical approach to penetration testing measures and ethical hacking. 45 hours lecture/27 hours laboratory.

CSCI C193

A/CSU
3 Units

System and Network Administration

C-ID ITIS 155 Systems and Network Administration

Advisory: CSCI C101, CSCI C143
Repeat Status: Non-Repeatable

This course provides students with the knowledge and skills required to build, maintain, troubleshoot and support server hardware and software technologies. Topics include environmental issues; disaster recovery and physical / software security procedures; industry terminology and concepts; server roles / specializations; and interaction within the overall computing environment. This course prepares students for the current version of CompTIA's Server+ certification exam. 45 hours lecture/27 hours laboratory.

CSCI C195

A/CSU
3 Units

Introduction to Systems Analysis and Design

C-ID ITIS 140 Introduction to Systems Analysis and Design

Prerequisite: CSCI C101.

Advisory CSCI C143, CSCI C146
Repeat Status: Non-Repeatable

The course presents a systematic methodology for analyzing a business problem or opportunity, determining what role, if any, computer-based technologies can play in addressing the business need, articulating business requirements for the technology solution, specifying alternative approaches to acquiring the technology capabilities needed to address the business requirements, and specifying the requirements for the information systems solution in particular, in-house development, development from third-party providers, or purchased commercial-off-the-shelf packages. 45 hours lecture/27 hours laboratory.

MATH C053

A
4 Units

Preparation for Statistics

Prerequisite: MATH C050

Repeat Status: Non-Repeatable

This is an accelerated transfer-level statistics preparation course for non-STEM majors. Topics include linear, quadratic, rational, exponential, and logarithmic functions and equations; systems of linear equations and inequalities; and data collection, data summaries, and descriptive statistics. The emphasis is on statistical applications of the algebraic material. 72 hours lecture.

PDEV C100

A/CSU
3 Units

Student Success Career Pathway

Advisory: ENGL C070

Repeat Status: Non-Repeatable

This classroom-based, guidance experience teaches students a quantifiable decision-making process

that helps them identify and plan for their education and career goals. Students explore academic interests, skills, values, and personality types, and research employers and industries. Students advance public speaking and interview skills through practice, familiarize themselves with college and job search tools, and learn goal setting. The culmination of this process is the development of an internet based education and career ten-year plan that can be used for advisory and academic coaching purposes and updated as needed. The personalized ten-year plan provides focus and motivation to succeed in college, at work, and in life. 54 hours lecture.

PHED C181 A/CSU
1 Unit

Intercollegiate Softball I

Prerequisite: All students must meet CCCCAA Athletic Code Eligibility Guidelines. Participants must be enrolled in a minimum of 12 units during the season of competition

Repeat Status: Repeatable Three times

This course involves participation in a high level of competition and skill development in softball. There is an emphasis on advanced skill, theory, tactics, and strategy in intercollegiate softball competition. All students must meet California Community College Athletics Association Athletic Code. Enrollment is limited to intercollegiate athletes. 175 intercollegiate hours.

Updated Courses

Changes are highlighted in red

ASL C102 A/UC/CSU
4.00 Units

American Sign Language II

Prerequisite: ASL C101
Repeat Status: Not repeatable

In this follow-up to ASL C101, students continue to develop and enhance their proficiency in American Sign Language (ASL) usage and knowledge of Deaf history and culture. This course encourages students' communicative competency with emphasis on vocabulary and expressive skills through in-class and out-of-class requirements. 72 hours lecture.

ANTH C121H A/UC/CSU
4.00 Units

Physical Anthropology: Honors

C-ID: ANTH 110 Introduction to Biological Anthropology

Limitation on Enrollment: Acceptance for the Honors program or eligibility for this honors course as determined in consultation with the instructor

Pre-requisite: ENGL C070
Repeat Status: Not repeatable

This course examines humans as biological organisms from an evolutionary perspective. Areas covered include concepts, methods, findings, and issues in the study of the order primates, including relationships between fossil monkeys, apes and humans, and the significance of genetic diversity among modern populations. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. 72 hours lecture.

ANTH C131 A/UC/CSU
3.00 Units

Archaeology

C-ID: ANTH C150 Introduction to Archaeology

Advisory: ENGL C070
Repeat Status: Not repeatable

This course is an introduction to the study of archaeology. The course includes a discussion of the nature of scientific inquiry; the history and interdisciplinary nature of archaeological research; dating techniques; methods of survey, excavation, analysis, and interpretation; cultural resource management; professional ethics; and selected cultural sequences. 54 hours lecture.

BIOL C101 A/UC/CSU
3.00 Units

Principles of Biology

Advisory: ENGL C070
Repeat Status: Not repeatable

This is a survey course in general biology for non-majors. Topics cover principles of organization, cell structure and function, genetics, metabolism, organ systems, reproduction (plants and animals),

ecology, evolution, diversity, and animal behavior. 54 hours lecture.

BIOL C105 A/UC/CSU
4.00 Units

Concepts of Biology

Advisory: ENGL C070
Repeat Status: Not repeatable

This is an introductory course in biological science with laboratory experience for non-majors. The course illustrates the principles of organization, cell structure and function, genetics, metabolism, organ systems, reproduction (plant and animal), ecology, evolution, and animal behavior. The course is not open to students with credit in BIOL C101. 54 hours lecture/54 hours laboratory.

BIOL C105H A/UC/CSU
5.00 Units

Concepts of Biology: Honors

Limitation on Enrollment: Acceptance to the Honors Program or eligibility for this honors course as determined by the instructor.

Pre-requisite: ENGL C070
Repeat Status: Not repeatable

This is an introductory course in biological science with laboratory experience for non-majors. The course illustrates the principles of organization, cell structure and function, genetics, metabolism, organ systems, reproduction (plant and animal), ecology, evolution, and animal behavior. The course is not open to students with credit in BIOL C101. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. 72 hours lecture/54 hours laboratory.

BIOL C111 A/UC/CSU
5.00 Units

General Biology I

Prerequisite: MATH C055
Advisory: CHEM C101, ENGL C070
Repeat Status: Not repeatable

This is an introductory course for students majoring in biological sciences and related subjects. The course covers principles of cell biology, metabolism, biochemistry, molecular biology, genetics, and

physiology. 72 hours lecture/54 hours laboratory.

BIOL C111H

A/UC/CSU
6.00 Units

General Biology I: Honors

Limitation on Enrollment: Acceptance to the Honors Program or eligibility for this honors course as determined by the instructor.

Pre-requisite: ENGL C070, MATH C055
Advisory: CHEM C101
Repeat Status: Not repeatable

This is an introductory course for students majoring in biological sciences and related subjects. The course covers principles of cell biology, metabolism, biochemistry, molecular biology, genetics, and physiology. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. 90 hours lecture/54 hours laboratory.

BIOL C121

A/UC/CSU
3.00 Units

Survey of Anatomy and Physiology Lecture

Advisory: ENGL C070
Repeat Status: Not repeatable

This is an introductory anatomy and physiology course. Emphasis is on the structure and function of human cells, tissues, organs, and organ systems. Human development and heredity are also covered. Not open to students who have completed BIOL 125. 54 hours lecture.

BIOL C125

A/UC/CSU
4.00 Units

Survey of Anatomy and Physiology

Advisory: ENGL C070
Repeat Status: Not repeatable

This course is an introductory anatomy and physiology course for students in health career programs. Emphasis is on the structure and function of human cells, tissues, organs, and organ systems. Human development and heredity are also covered. The laboratory component provides a hands-on approach to learning anatomical structures and their physiology. Not open to students

who have completed BIOL 121. 54 hours lecture/54 hours laboratory.

BIOL C255

A/CSU
4.00 Units

Human Physiology

Prerequisite: ENGL C070
Advisory: BIOL C125 or BIOL C251, CHEM C101, MATH C055
Repeat Status: Not repeatable

This course provides students with an understanding of the function and regulation of the human body and physiological integration of the organ systems to maintain homeostasis. Course content includes functions of the integumentary system, neural & hormonal homeostatic control mechanisms, musculoskeletal, circulatory, respiratory, digestive, urinary, lymphatic & immune, reproductive, and endocrine systems. 54 hours lecture/54 hours laboratory.

BSAD C101

A/UC/CSU
4.00 Units

Financial Accounting

C-ID: ACCT 110 Financial Accounting

Advisory: BSOT C070, BSOT C072, MATH C040
Repeat Status: Not repeatable

This is the study of accounting as an information system, examining why it is important and how it is used by investors, creditors, and others to make decisions. The course covers the accounting information system, including recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the financial statements, and statement analysis. It includes issues relating to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls, and ethics. 72 hours lecture.

BSAD C102

A/UC/CSU
4.00 Units

Managerial Accounting

C-ID: ACCT 120 Managerial Accounting

Advisory: BSOT C070, MATH C040
Prerequisite: BSAD C101
Repeat Status: Not repeatable

This is the study of how managers use accounting information in decision-

making, planning, directing operations and controlling. It focuses on cost terms and concepts, cost behavior, cost structure and cost-volume-profit analysis. It includes issues relating to cost systems, cost control, profit planning, and performance analysis in manufacturing and service environments. 72 hours lecture.

CHDV C105

A/CSU
3.00 Units

Infant and Toddler Development

Advisory: ENGL C070, LIBR C100
Repeat Status: Not repeatable

This course is a study of infants and toddlers from pre-conception to age three including physical, cognitive, language, social, and emotional growth and development. Students apply theoretical frameworks to interpret behavior and interactions between heredity and environment. This course emphasizes the role of family and relationships in development. Students are required to observe children in a group setting. 54 hours lecture.

CHDV C111

A/CSU
3.00 Units

Principles of Child Guidance

Advisory: ENGL C070, LIBR C100
Repeat Status: Not repeatable

This course introduces positive and effective approaches for guiding children's behavior in the classroom and family settings. Students are required to observe children in a group setting. 54 hours lecture.

CHDV C149

A/CSU
3.00 Units

Play and Meaning

Advisory: CHDV C105 or CHDV C106 or CHDV C107, ENGL C070, LIBR C100
Repeat Status: Not repeatable

This course delves into the intricacies of play in the classroom and how children use play to develop meaning. Special emphasis is placed on building play into the curriculum for children aged birth to school-age. Students are required to observe children in a group setting. 54 hours lecture.

CHDV C203 A/CSU
3.00 Units

Practicum - Field Experience

C-ID: ECE 210 Practicum in Early Childhood Education

Limitation on Enrollment: Students must demonstrate they are clear of TB. Health and Safety and Students must meet the immunization requirements to work with young children. Health and Safety and Students must have a cooperating teacher placement identified before the semester starts. There is a check list counselors will have that students must complete in order to be enrolled in the course.

Prerequisite: CHDV C100, CHDV C102, CHDV C104, CHDV C106, CHDV C121, CHDV C125, CHDV C200.

Repeat Status: Not repeatable

In this course, students demonstrate developmentally appropriate early childhood teaching competencies under guided supervision. Students utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play oriented approaches to teaching, learning, and assessment, as well as knowledge of curriculum content areas, are emphasized as student teachers design, implement, and evaluate experiences that promote positive development and learning for all young children. Students work in a supervised field experience and are required to perform at least 54 hours of practicum work under the direct supervision of a Master Teacher (or someone who would qualify as a Master Teacher) in an instructor-approved infant/toddler or preschool program. School-age program placement is restricted to before- and after-school programs or kindergarten. Participation in a placement setting requires proof of tuberculosis (TB) and immunization clearance. 36 hours lecture/54 hours laboratory.

CHDV C205 A/CSU
3.00 Units

Care and Education for Infants and Toddlers

Advisory: ENGL C070, LIBR C100
Repeat Status: Not repeatable

Students learn to apply current theory and research to the care and

education of infants and toddlers in group settings. The course examines essential policies, principles, and practices that lead to quality care and developmentally appropriate curriculum for children birth to 36 months. Students are required to observe infants and/or toddlers in a group setting. 54 hours lecture.

CHDV C241 A/CSU
3.00 Units

Curriculum and Strategies for Children with Special Needs

Advisory: ENGL C070, LIBR C100
Repeat Status: Not repeatable

This course covers curriculum and intervention strategies for working with children with special needs in partnership with their families. The course focuses on the use of observation and assessment in meeting the individualized needs of children in inclusive and natural environments. The course emphasizes the role of the teacher as a professional working with families, collaborating with interdisciplinary teams, and developing cultural competence. Students will be required to observe children in a group setting. 54 hours lecture.

CHDV C251 A/CSU
3.00 Units

Administration I: Programs in Early Childhood Education

Advisory: ENGL C070, LIBR C100
Repeat Status: Not repeatable

Students are introduced to the administration of early childhood programs. The course covers program types, budget, management, regulations, laws, development and implementation of policies and procedures. The course examines administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program. Students are required to observe licensed or license-exempt programs in their community. 54 hours lecture.

CHDV C252 A/CSU
3.00 Units

Administration II: Personnel and Leadership in Early Childhood Education

Limitation on Enrollment: Completion of 9 units of Child Development course work including CHDV C251

Advisory: ENGL C070, LIBR C100
Repeat Status: Not repeatable

This course presents effective strategies for personnel management and leadership in early care and education settings. The course includes legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program. Students are required to observe licensed or license-exempt programs in their community. 54 hours lecture.

CHDV C281 A/CSU
3.00 Units

Adult Supervision and Mentoring in Early Care and Education

Advisory: ENGL C070, LIBR C100
Repeat Status: Not repeatable

This course addresses the methods and principles of supervising student teachers, volunteers, staff, and other adults in early care and education settings. There is an emphasis on the roles and development of early education professionals as mentors and leaders. Students are required to observe licensed and license-exempt programs in their community. This course satisfies the adult supervision requirement for the Master Teacher level of the Child Development Permit Matrix. 54 hours lecture.

CSCI C146 A
3.00 Units

Introduction to Information Systems Security

Advisory: CSCI C143 or 2 years equivalent experience in the Information Technology field
Repeat Status: Not repeatable

This course provides an introduction to the fundamental principles and topics of Information Technology Security and Risk Management at

the organizational level. It addresses hardware, software, processes, communications, applications, and policies and procedures with respect to organizational Cybersecurity and Risk Management. 54 hours lecture.

EDUC C005 X
0.00 Units

Preparation for the General Education Development Exam (GED)

Repeat Status: Not repeatable

This course is designed to prepare students for the General Educational Development Examination (GED). Instruction is provided for all subject areas of the GED with emphasis on reading, writing, and mathematics and review of general science, humanities, and social studies. Instruction is tailored to student need based on instructor assessment. Students demonstrate progress and readiness for the GED through practice exams. 54 non-standard hours.

HCRS C135 A/CSU
2.00 Units

Basic ICD and CPT Coding

Co-requisite: HCRS C133
Repeat Status: Not repeatable

This course presents a thorough discussion of basic International Classification of Diseases (ICD) and current procedural terminology (CPT) coding. Procedural coding and International Classification of Diseases provides students with the detailed knowledge to implement the specialized coding needed for billing insurance companies. 36 hours lecture.

HIST C104 A/UC/CSU
3.00 Units

Western Civilization - Renaissance to the Modern Era

C-ID: HIST 180 Western Civilization II

Advisory: ENGL C070
Repeat Status: Not repeatable

This course covers the growth and development of European Civilization from the Renaissance to the present, integrating social, political, and cultural developments of European and the Western heritage. 54 hours lecture.

HIST C104H A/UC/CSU
4.00 Units

Western Civilization - Renaissance to the Modern Era: Honors

C-ID: HIST 180 Western Civilization II

Limitation on Enrollment: Acceptance for the Honors program or eligibility for this honors course as determined in consultation with the instructor

Prerequisite: ENGL C070
Repeat Status: Not repeatable

This course covers the growth and development of European Civilization from the Renaissance to the present, integrating social, political, and cultural developments of European and the Western heritage. Honors students meet one extra hour weekly to discuss and evaluate selected primary source materials. 72 hours lecture.

HIST C131 A/UC/CSU
3.00 Units

History of United States to 1877

C-ID: HIST 130 United States History to 1877

Advisory: ENGL C070
Repeat Status: Not repeatable

This course examines the social, political, economic and cultural history of the United States from the establishment of European colonies in the New World through Reconstruction. Special attention is given to the study of select topics, such as the development of American ideologies, institutions, and legal structures. 54 hours lecture.

HIST C131H A/UC/CSU
4.00 Units

History of the United States to 1877: Honors

C-ID: HIST 130 United States History to 1877

Limitation on Enrollment: Acceptance to the Honors Program or eligibility for this honors course as determined by the instructor.

Prerequisite: ENGL C070
Repeat Status: Not repeatable

This course examines the social, political, economic and cultural history of the United States from the establishment of European

colonies in the New World through Reconstruction. Special attention is given to the study of select topics, such as the development of American ideologies, institutions, and legal structures. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. 72 hours lecture.

HIST C132 A/UC/CSU
3.00 Units

History of United States from 1877 to Present

C-ID: HIST 140 United States History from 1865

Advisory: ENGL C070
Repeat Status: Not repeatable

The course examines the social, political, economic, and cultural history of the United States from Reconstruction to the present. Special attention will be paid to the study of selected topics, such as American institutions, ideologies, and Constitutional development. 54 hours lecture.

HIST C132H A/UC/CSU
4.00 Units

History of the U.S. from 1877 to Present: Honors

C-ID: HIST 140 United States History from 1865

Limitation on Enrollment: Acceptance to the Honors Program or eligibility for this honors course as determined by the instructor.

Prerequisite: ENGL C070
Repeat Status: Not repeatable

The course examines the social, political, economic, and cultural history of the United States from Reconstruction to the present. Special attention will be paid to the study of selected topics, such as American institutions, ideologies, and Constitutional development. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. 72 hours lecture.

LIBR C100A/CSU
1.00 Unit**Introduction to Library Research and Bibliography**Prerequisite: ENGL C040
Advisory: CSCI C070, ENGL C070.
Repeat Status: Not repeatable

This course presents the fundamentals of the research process and documentation styles. The student is introduced to the organization of information in the library setting and learns to access information through the use of online catalogs and databases. The use of the Internet is covered with particular emphasis on evaluation of information contained in web pages. The course covers the use of printed and electronic reference materials and discusses legal and ethical issues of intellectual property including copyright, fair use, and plagiarism. 9 hours lecture/27 hours laboratory.

method. This course also develops the ability to integrate the principles of critical thinking with the techniques of effective written argument. 54 hours lecture.

thunderstorms, tornadoes, hurricanes, weather analysis and forecasting, climate, and climate change. 54 hours lecture/54 hours laboratory.

PHED C105A/UC/CSU
1.00 Unit**Weight Training I***Repeat Status: Not repeatable*

This course assists students in the development of basic weight training fundamentals and techniques. The course includes material specifically related to strength and muscle development. Emphasis is on individualized programs that contour, build, and firm up the human body in the most efficient manner. The course emphasizes proper care and utilization of equipment involved and the importance of safety. 54 hours activity.

MUSC C118A/UC/CSU
3.00 Units**History of American Pop Music**Advisory: ENGL C070
Repeat Status: Not repeatable

This course is an introduction to the historical and stylistic developments of American popular music, with an emphasis on its cultural, social, economic and political consequences. This course studies the development of Anglo-American folk music, African-American music, Latin music, musical theatre, and various rock styles. Concert attendance required. 54 hours lecture.

PHED C106A/UC/CSU
1.00 Unit**Weight Training II***Repeat Status: Not repeatable*

This intermediate level course provides knowledge and strength development. The course emphasizes development of a weight training program and adaptation of strength training to individual needs. The course includes proper care and utilization of equipment involved and the importance of safety. 54 hours activity.

PHIL C131A/UC/CSU
3.00 Units**Logic and Critical Reasoning****C-ID: PHIL 110 Introduction to Logic**Advisory: ENGL C070
Repeat Status: Not repeatable

This course introduces students to the principles of inductive and deductive inference and their practical applications in everyday situations, such as problem solving and evaluation of arguments. The course examines the uses of language, formal and informal fallacies, syllogistic argument forms, and scientific

PHSC C135A/UC/CSU
4.00 Units**Introduction to Meteorology****C-ID: GEOG 130 Introduction to Weather and Climate**Advisory: ENGL C070
Repeat Status: Not repeatable

This lecture and laboratory course in introductory meteorology emphasizes meteorology's interdisciplinary physical science basis and methods. Concepts covered include atmospheric composition and structure, solar-terrestrial relations, radiation, heat, temperature, seasons, air pressure, humidity, atmospheric stability, clouds and cloud systems, precipitation, wind and circulation,

