CUYAMACA
· COLLEGE ·

Addendum
to the
2013-2014 Catalog

Additions to the Catalog:

ART 148 – INTRODUCTION TO CRAFTS 3 UNITS
2 hours lecture, 4 hours laboratory
Introduction to traditional and contemporary concepts and processes in a variety of craft media with emphasis on design principles in the development of aesthetic forms based on function.
AA/AS GE (Area C), CSU

BIOLOGY 133 – ETHNOECOLOGY 3 UNITS
3 hours lecture
Ethnoecology is the study of the dynamic relationship between people, biota and their environment. This course will focus on the ecological and cultural basis of indigenous land management; particular attention will be paid to the environmental stewardship of the Kumeyaay/Diegueño people of Southern California and Northern Baja California. Ecological principles will be used to assess the impacts of Native American land management practices and the vital role this knowledge plays in recent conservation initiatives. Local field trips and restoration projects in Cuyamaca College's nature preserve will provide opportunities for working directly with natural habitats.
AA/AS GE (Area B), CSU, UC

COMMUNICATION 238 –
SPEECH AND DEBATE COMPETITION I 1 UNIT
1 hour lecture, 1 hour laboratory
This is the introductory course to intercollegiate forensics: Cuyamaca's Speech and Debate Team. It is designed to give students preparation procedures for competitive speech/debate tournaments. Students will learn the requirements for the four major areas of competitive speaking: public address, oral interpretation, impromptu/ extemporaneous speaking, and debate. Students will be required to participate or observe at one tournament or public speaking activity.
CSU

COMMUNICATION 239 –
SPEECH AND DEBATE COMPETITION II 2 UNITS
2 hours lecture, 1 hour laboratory
This course is designed for students who wish to participate in intercollegiate speech and debate tournaments through the Cuyamaca Speech and Debate Team. Students will develop speech performance skills by selecting areas of emphasis which include public speaking, oral interpretation or debate events. Competition in at least one tournament or public speaking activity is required.
CSU

COMMUNICATION 241 –
SPEECH AND DEBATE COMPETITION IV 3 UNITS
2 hours lecture, 3 hours laboratory
This course is designed for students who have competed in intercollegiate forensics tournaments and want to focus on one or more specific areas of emphasis as a member of the Cuyamaca Speech and Debate Team. Team leadership skills, debate theory, research analyzing political and social issues, directing and writing of readers theatre, and coaching skills, may be selected as possible focus areas. Competition at three or more tournaments or public speaking activities is required.
CSU

EXERCISE SCIENCE 248 – CONDITIONING
FOR INTERCOLLEGIATE ATHLETES 1 UNIT
Prerequisite: Recommendation of Intercollegiate Coach
1 hour lecture, 1 hour laboratory
Physical conditioning and mastery of the basic fundamentals of movement and skills necessary to reduce the risk of injury associated with athletic activity. Conditioning activities, games, and resistance exercises will be emphasized. This course is intended for intercollegiate athletes who are proficient in the fundamental skills and have knowledge of the basic rules of the competitive sport. Instruction is geared toward advanced techniques, strategies, injury prevention, conditioning, and team play.
CSU

EXERCISE SCIENCE 249 – COMPETENCIES FOR INTERCOLLEGIATE ATHLETES 2 UNITS

Prerequisite: Recommendation of Intercollegiate Coach
5 hours lecture, 5 hours laboratory
This course is designed to prepare student athletes for intercollegiate competition at both the two and four year level, and to maintain athletic conditioning between seasons. It is intended for students who have demonstrated the potential (through performance or interview with respective coach) to succeed in intercollegiate athletics. Students will be required to participate in lab hours within the intercollegiate sport of their choice. *Athletic insurance fee may be required upon enrollment.*
CSU

COMPUTER AND INFORMATION SCIENCE

NETWORKING, SECURITY AND SYSTEM ADMINISTRATION

This degree program prepares students for careers in computer networking or system administration and related fields. Upon completion, students may find entry level positions as computer support technicians, junior network administrators, junior system administrators, hardware technicians, data/voice/video cabling technicians, network project managers, designers/ estimators or technical support personnel. The major prepares students to work as team members in an information technology group which designs, evaluates, tests, installs and maintains corporate networks. Preparation for the following industry certifications: A+, Network+, Security+, Linux+, Microsoft Certified Technician (MCT) in Windows and Windows Server (active directory, network infrastructure and applications infrastructure), Linux Profession Institute Certification Level 2, Certified Wireless Network Administrator (CWNA) and/or CCNA (Cisco Certified Network Associate).

Program Outcomes

Upon completion of this program, students will be able to:

A. Enterprise Networking

1) Describe and demonstrate the ability to install, configure, upgrade, diagnose and troubleshoot a personal computer and its associated networking hardware and system software.
2) Install, test, certify, secure, and troubleshoot copper, optical fiber, and wireless telecommunications infrastructures by constructing a system in accordance with industry standards.
3) Configure, test, and troubleshoot network topologies consisting of routers, switches, wireless routers, VoIP equipment and PCs using: the Cisco IOS CLI; IP addressing; interior gateway protocols; HDLC, PPP and Frame-Relay WAN.

B. Enterprise System Administration

1) Describe and demonstrate the ability to install, configure, upgrade, diagnose and troubleshoot a personal computer and its associated networking hardware and system software.
2) Install, test, certify, secure, and troubleshoot copper, optical fiber, and wireless telecommunications infrastructures by constructing a system in accordance with industry standards.
3) Configure, test, and troubleshoot a Linux and a Windows server, including directory services, networking, print services, server security, remote access, DNS, DHCP, web server, file server, mail server, FTP server, file systems, partitions, logical volumes, server/network performance, and data backup and recovery.

Associate in Science Degree Requirements:

Core Curriculum:

Course	*Title*	*Units*
CIS 120	Computer Maintenance and A+ Certification	3
CIS 121	Network Cabling Systems	3
CIS 125	Network+ Certification	3
CIS 161	Fundamentals of Telecommunications	3
CS 119	Program Design and Development	3
CS 119L	Program Design and Development Lab	1
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Areas of Emphasis:

A. Enterprise Networking

CIS 190	Windows Operating System	3
or		
CIS 191	Linux Operating System	3
CIS 201	Cisco Networking Academy I	3
CIS 202	Cisco Networking Academy II	3
CIS 203	Cisco Networking Academy III	3
CIS 204	Cisco Networking Academy IV	3
CIS 209	Cisco Networking Academy IX	3
or		
CIS 263	Fundamentals of Network Security	3
CIS 261	Convergent/Unified Technologies and Degree Capstone	3
CIS 262	Wireless Networking	3
		24
	Total Required Including Core Classes Plus General Education Requirement	40

B. Enterprise System Administration

CIS 140	Databases	3
or		
CIS 162	Technical Diagramming Using Microsoft Visio	2
CIS 190	Windows Operating System	3
CIS 191	Linux Operating System	3
CIS 261	Convergent/Unified Technologies and Degree Capstone	3
CIS 263	Fundamentals of Network Security	3
CIS 290	Windows Server–Active Directory	2
CIS 291	Linux System Administration	3
CIS 293	Windows Server–Network Infrastructure	2
CIS 294	Windows Server–Applications Infrastructure	2
		23-24
	Total Required Including Core Classes Plus General Education Requirement	39-40

Certificate of Achievement

Students who complete only the courses required for the major including an area of emphasis qualify for a Certificate in Networking, Security and System Administration in that area of emphasis. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.