



C U Y A M A C A
· C O L L E G E ·

Addendum to the 2012-2013 Catalog

CSU Transferable:

CIS 206 CISCO Networking Academy VI
CIS 207 CISCO Networking Academy VII
CIS 208 CISCO Networking Academy VIII
CIS 209 CISCO Networking Academy IX

UC Transferable:

ART 222 Painting IV
ART 233 Figure Drawing IV
ASL 140 Perspectives on Deaf Culture
COMM 120 Interpersonal Communication
OH 255 Sustainable Urban Landscape Principles

COURSE ADDITION:

EDUCATION 151 – EFFECTIVE TUTORING STRATEGIES

Prerequisite: None
Corequisite: None
Recommended Preparation: None
1 hour lecture, 1 unit

This course is designed to prepare students for tutoring college students. Provides an overview of effective learner-centered, process oriented, tutoring strategies and practices. Topics include basic study skills, the tutoring cycle, learning styles, learning disabilities, behaviors and stresses that affect learning, communication skills, and diversity/cultural awareness. Students interested in working in the Tutoring Center must have a grade of "B" or higher in subject matter to qualify. **Pass/No Pass only. Non-degree applicable.**

CERTIFICATE ADDITION:

AMERICAN SIGN LANGUAGE

This certificate is designed for students who want to acquire advanced expressive and receptive signing skills, as well as develop a greater awareness of the Deaf community and Deaf culture. The emphasis is on paraprofessional vocations and preparation for continued study in the subject. Upon completion, students may wish to transfer to an Interpreter Certification, American Sign Language, or Deaf Studies program or a four year university to continue their studies. It is recommended that students interested in this certificate contact the department faculty.

Career Opportunities

Case Worker
Child Care Worker
Communication Disorders Aide
Early Childhood Education Intervention Aide
Educational Classroom Aide
+Educational Counselor
* Interpreter
Preschool Aide
+Program Coordinator
+Rehabilitation Counselor
+Social Work
Social Work Aide
Special Education Classroom Aide
+Teacher

+Bachelor degree or higher required
* Certification required

Certificate Requirements:

Course	Title	Units
ASL 120	American Sign Language I	4
ASL 121	American Sign Language II	4
ASL 220	American Sign Language III	4
ASL 221	American Sign Language IV	4
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Select five to six units from the following:

ASL 125	American Sign Language with Infants and Toddlers	1
ASL 126	American Sign Language with School Age Children	1
ASL 130	Sign Language: Fingerspelling	3
ASL 140	Perspectives on Deaf Culture	3
		<hr/> 5-6
	Total Required	21-22

Certificate of Achievement

Students who complete the requirements above qualify for a Certificate in American Sign Language. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

DEGREE ADDITION:

WATER/WASTEWATER TECHNOLOGY

WATER RESOURCES MANAGEMENT

This degree will prepare students to enter careers in the water field as water resources specialists, water conservation specialists and coordinators, groundwater supply specialists, and public information and community educators. The program prepares students to design, implement and evaluate water conservation/water resources management programs and to assist in developing more diversified water resource portfolios in the water and wastewater sector or in the landscape and property management field. Upon successful completion of the program, students will be prepared to take a variety of professional certification examinations available in the water, wastewater, and landscape industries. Emphasis is on emerging technologies and methods that lead toward more long term sustainability of our water and wastewater resources.

Program Outcomes

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

- Evaluate indoor and outdoor water use patterns for rural, urban, residential and commercial sites.
- Recommend water efficiency measures, wise water landscapes, and efficient plumbing solutions.
- Design, implement and evaluate water conservation programs.
- Convey water conservation strategies to a broad audience using multiple communication methods.
- Describe regional regulatory context and international code trends as they pertain to water conservation.
- Develop basic knowledge of water resource economics and how economics relates to supply and demand.
- Understand water distribution, flow and elimination systems as well as time of use.
- Create technical reports and collect, interpret, display and explain data.
- Perform systems analysis using water bills, meters and other evidence to solve problems. Utilize industry accepted standards to conduct site evaluations and determine site assets and constraints for the development of aesthetically pleasing, sustainable, and feasible landscape designs, planting plans, and tree management plans.
- Identify common problems common to Southern California landscapes and list appropriate control measures including identification of soil problems and sustainable soil and water management practices.
- Develop proper irrigation schedules with the use of evapotranspiration rates, precipitation rates, proper cycling of application and controller programming, based on the knowledge of the relationships between plants and their soil and water environment.
- Utilize currently accepted research in the area of water conservation relating to water sources, water quality and regulations to establish guidelines for best management practices in water conservation including plant selection, soil management, and water management.
- Identify sustainable elements of landscape design, installation, and management including 175 trees, shrubs, annuals, perennials and turf grass species commonly used in Southern California landscapes; hardscape alternatives; and management practices including business practices and legal considerations.
- Obtain practical "hands on" experience working as interns in the water and/or landscape industry.

Associate in Science Degree Requirements:

Course	Title	Units
OH 120	Fundamentals of Ornamental Horticulture	3
OH 170	Plant Materials: Trees and Shrubs	3
OH 221	Landscape Construction: Irrigation and Carpentry	3
OH 250	Landscape Water Management	2
WWTR 101	Fundamentals of Water/Wastewater Technology	3
WWTR 103	Introduction to Water Resources Management	3
WWTR 105	Principles and Practices of Water Conservation	3
WWTR 115	Wastewater Reclamation and Reuse	3
WWTR 290	Cooperative Work Experience	2
or		
OH 290	Cooperative Work Experience Education	2
		<u>25</u>

Select five to eight units from the following:

WWTR 102	Calculations in Water/Wastewater Technology	3
WWTR 112	Basic Plant Operations: Water Treatment	3
WWTR 114	Basic Plant Operations: Wastewater Treatment	3
WWTR 130	Water Distribution Systems	3
WWTR 132	Wastewater Collection Systems	3
WWTR 280	Backflow Tester Training	2
WWTR 282	Cross Connection Control Specialist	3
WWTR 284	Cross Connection Control Specialist-Recycled Water	3
		<u>5-8</u>

Select five to eight units from the following:

OH 102	Xeriscape: Water Conservation in the Landscape	2
OH 140	Soils	3
OH 174	Turf and Ground Cover Management	3
OH 220	Landscape Construction: Concrete and Masonry	3
OH 235	Principles of Landscape Irrigation	4
OH 238	Irrigation System Design	3
OH 255	Sustainable Urban Landscape Principles and Practices	2
		<u>5-8</u>
	Total Required	35-41
	Plus General Education Requirements	