Associate in Science

Environmental Technology Program

To graduate in the Environmental Technology Program, a student must complete the following required course of study.

Course #	Course Title	Credits	Prerequisites	Semester Offered	Semester Taken	Grade Earned
General Education						
ENL101	English Composition I	3	Appropriate scores in Reading Comprehension & in Sentence Skills on CPT or grade of C or better in ENL020 & ENL050 or ESL201	Fall, Spring, Summer		
ENL102	English Composition II	3	A grade of C or higher in ENL101	Fall, Spring, Summer		
	Behavioral and Social Sciences	3				
	Behavioral and Social Sciences	3				
CHM106	Survey of Chemistry	4	(MAT020 or MAT025), ENL020 & ENL050 or satisfactory basic skills assessment scores	Fall, Spring		
ESC101	Intro to Earth Science	4	(MAT030 or MAT035), ENL020 & ENL050 or satisfactory basic skills assessment scores	Fall, Spring		
COM103	Human Communication	3	ENL010 or ESL102 or satisfactory basic skills assessment score	Fall, Spring, Summer		
Professional Education						
ENV101	Survey of Environmental Technology	3	None	Fall, Spring		
ENV105 (or) MAT150	Quantitative Methods for Environmental Analysis (or) Elementary Statistics	3	(MAT030 or MAT035) or satisfactory basic skills assessment score (or) (MAT035 or MAT040) or satisfactory basic skills assessment score	Fall Fall, Spring, Summer		
ENV115	Environmental Chemistry	3	CHM106	Fall		
ENV118	Intro. to Environmental Science	4	(MAT020 or MAT025), ENL020 & ENL050 or satisfactory basic skills assessment scores	Fall, Spring, Summer		
ENV125	Coastal Ecology	3	None	Fall, Spring, Summer		
ENV158	Occupational Health and Safety (OSHA) through Hazardous Waste Management	3	None	Spring		
ENV163	Geographic Information Systems (GIS) I	3	ENV118	Fall, Spring		
ENV201	Environmental Instrumentation	4	ENV105 & ENV115	Spring		
	Environmental Tech elective*	3				
	Environmental Tech elective*	3				
	Environmental Tech elective*	3				
	Environmental Tech elective*	3				
	Environmental Tech elective*	3				
ENV260	Internship**	3	ENV118 or ENV170 & permission of the instructor	Fall, Spring, Summer		
Total Credits		**67**				

* Environmental Technology Electives: Refer to page 2 for the list of Environmental Technology electives.

** To be taken during the summer or during the third or fourth semester.

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Environmental Technology Program

Overview

This program emphasizes the cognitive and technical skills needed to enter and advance in environmental technology careers in both the private and public sectors. This is a career field that utilizes the principles of science, engineering, communication and economics to protect and enhance safety, health and natural resources. Students who are interested in pursuing a four-year undergraduate program in Environmental Studies should refer to the Associate in Arts Environmental Studies concentration.

Career Outlook

Graduates will be trained at the technical level for fields such as hazardous waste clean-up, site assessment, water quality, air quality, wastewater management, environmental compliance, solid waste management, coastal zone management, use of computerized mapping and pollution prevention.

Program Outcomes

Upon completion of the Environmental Technology program, students are able to:

- Communicate and discuss current environmental topics and be able to provide an overview of environmental technology
- Apply scientific, technical, and communication skills and knowledge to specific tasks
- Be proficient at using state-of-the-art scientific instrumentation to perform air, water, and soil analysis
- Be certified in 40-hour OSHA for hazardous waste
- Conduct monitoring in the field and demonstrate the ability to analyze the data in a laboratory setting
- Be proficient in a discipline of environmental technology, including coastal zone management, hazardous waste site assessment, geographic information systems, wastewater management, water quality, energy efficiency and/or renewable energy.

*** Environmental Technology Electives**

CON130	Computer Aided Drafting I
CON135	Computer Aided Drafting II
ENV122	Process of Environmental Management & Decision Making
ENV135	Coastal Zone Management
ENV140	Intro to Water
ENV142	Industrial Wastewater Treatment
ENV145	Wastewater Treatment Plant Operation
ENV146	Water Supply
ENV152	Air Pollution Issues
ENV163	GIS I
ENV164	GIS II
ENV170	Renewable Energy Sources
ENV171	Energy Efficiency and Conservation Methods
ENV172	Commercial Energy Audits
ENV173	Intro to Solar Energy
ENV177	Intro to Wind Energy
ENV178	Photovoltaic Installation
ENV179	Solar Thermal Installation
ENV180	Small Wind Installation
ENV181	Intro to Green Building
GIT110	Microcomputer Applications Software
HOR101	Plant and Soil Science
HOR102	Entomology and Plant Diseases
HOR103	Woody Plant Identification and Culture
HOR104	Turf Management
HOR201	Herbaceous Plant Identification and Culture