

# ENVIRONMENTAL MANAGEMENT ASSOCIATE IN SCIENCE



## Environmental Health and Safety Management

Nearly every industry worldwide needs environmental health and safety management. In compliance with federal, state, and local legislation, EHS professionals will support businesses lessening their impact on the environment and reducing risks and hazards in their workplaces. Hazard management includes air, soil, and water pollution, hazardous chemicals and wastes, solid waste, ergonomics, workplace safety, chemical, physical, and biological exposures, noise and lighting hazards, recycling, and sustainability management. EHS also provides emergency response to chemical, biological and nuclear spills and provides compliance with emergency response planning.

The Environmental Health and Safety Management department offers degrees and certificates to provide entry-level skills or upgrade and refine existing skills to perform EHS functions in manufacturing, healthcare, laboratory research, construction, and maritime industries. The programs are specifically designed to prepare students to interpret, analyze and implement various regulations, interpret injury and illness data, and minimize chemical, biological, and physical hazards for employees and the environment. This program emphasizes multicultural applications for training, digital literacy, professional written communications, leadership, and teamwork.

### Career Opportunities

Environmental Health and Safety Technician/Specialist  
Toxic Waste Specialist  
Hazardous Waste Technician  
HAZWOPER Emergency Response  
Industrial Hygiene Technician  
Environmental Compliance  
Environmental Protection Specialist  
Environmental Research  
Stormwater/Wastewater Sampling  
Sustainability Technician/Specialist  
Air Quality Specialist  
Phase 1 Investigator  
Phase 2 Sampling Technician  
EHS Consultant  
COVID-19 Program Management  
Environmental Remediation  
Risk Management

## Environmental Management Associate in Science

California leads the United States in environmental protection and sustainability efforts, creating a demand for environmental technicians

and specialists in every region and most industries. Whether serving entry-level students or refining the skills of existing EHS professionals, students in the EHSM department will receive innovative hands-on training, in-depth regulatory comprehension, and work experience in air, water, hazardous waste, solid waste, and pollution prevention topics. The program prepares students in a broad understanding of environmental topics currently affecting the local, state, federal, and global populations while including culturally sensitive management techniques. Graduates earning an associate degree in Environmental Management may work as a technician or specialist serving hazardous waste, solid waste, environmental health and safety, environmental sciences, sustainability, water pollution, and air pollution industries.

### Program Learning Outcomes

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

- Perform work-related functions according to current industry standards.
- Assess and resolve work-related problems using current industry-specific tools and resources.
- Communicate effectively to prospective clients, managers and coworkers in a workplace setting.
- Abide by industry regulations regarding occupational health and safety, and/or environmental standards.

### Associate in Science Degree Requirements

Code	Title	Units
EHSM-100	Introduction to Environmental and Occupational Safety and Health (OSH) Technology	4
EHSM-110	Pollution Prevention	3
EHSM-150	Hazardous Waste Management Applications	4
EHSM-200	Hazardous Materials Management (HMM) Applications	4
EHSM-210	Industrial Wastewater and Stormwater Management	4
EHSM-215	Air Quality Management	3
EHSM-230	Hazwoper Certification	3
List A		
Select one of the following:		1-4
EHSM-240	Cooperative Work Experience	
EHSM-250	EHS Field Applications	
List B		
Select either:		4-5
BIO-130 & BIO-131 or BIO-240	General Biology I and General Biology I Laboratory Principles of Ecology, Evolution and Organismal Biology	
List C		
Select one of the following:		4-5
CHEM-120	Preparation for General Chemistry	
CHEM-141	General Chemistry I	
List D		
Select one of the following:		3-5
CIS-110	Principles of Information Systems	
COMM-122	Public Speaking	

COMM-124 Intercultural Communication

SPAN-120 Spanish I

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**Total Units** **37-44**

Plus General Education Requirements (<https://catalog.gcccd.edu/cuyamaca/degree-requirements-transfer-information/>)