



ENVIRONMENTAL HEALTH & SAFETY MANAGEMENT



Student Services

CUYAMACA COLLEGE

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ENVIRONMENTAL HEALTH & SAFETY MANAGEMENT

The Environmental Health and Safety Management (EHSM) degree and certificate program provides entry level skills as well as upgrading/refining existing skills of individuals employed in the field of Environmental Health and Safety Management. The curriculum prepares students for transfer to four-year institutions in an environmental technology or related major. Courses are designed for students pursuing careers in Environmental Management and Occupational Safety and Health with an emphasis on training, regulatory compliance and program development, consulting, pollution prevention, recycling, remediation, conservation, and program management.

STATE-OF-THE-ART-EDUCATION

Environmental Health and Safety (EHS) is a constantly expanding and evolving field with oversight from the Environmental Protection Agency (EPA), Occupational Safety and Health Administration (OSHA/CalOSHA) and the Department of Transportation (DOT). These agencies provide regulations and program requirements that are ever-expanding and evolving. Cuyamaca College's EHSM department maintains current, state-of-the-art EHSM technologies, as well as, incorporating new and updated regulatory requirements. These program guidelines are implemented into the curriculum and supported by the environmental health and safety industry in San Diego.

The EHSM Advisory Committee is extremely strong and broad-based, representing more than 20 San Diego based employers. EHSM Advisory Committee members include management and supervisors, spanning a broad spectrum of industries: aerospace, bioscience, construction, Department of Defense, general industry, manufacturing, regulatory agencies and shipyards. Many EHSM Advisory Committee members have supported EHSM for more than 15 years. Several Advisory Committee members were EHSM students themselves and now offer internships and work experience to EHSM students as a part of their contributions to the program and industry. EHSM hosts an Industry Panel Night each semester to give EHSM students a chance to meet in a dinner/workshop setting with EHS managers throughout the region, providing strength to the program and a tremendous overview of the EHS community needs and requirements.

CAREER OPPORTUNITIES

* Bachelor Degree or higher required

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| Air Quality Engineer | Industrial Hygiene Technician |
| Asbestos Materials Building Remover | Land Use and Planning Technician |
| Associate Toxic Waste Specialist | Mold Remediation Technician |
| * Environmental Engineer | Occupational Health and Safety Technician |
| Environmental Hazardous Material Technician | Pollution Control Technician |
| Environmental Health and Safety Specialist | Recycling Coordinator |
| * Environmental Journalist | Risk Management Officer |
| * Environmental Lawyer | Risk Management Technician |
| Environmental Manager | Safety Officer |
| * Environmental Protection Specialist | Safety Specialist |
| Environmental Research – Test Technician | * Soils Analyst |
| Game or Fishery Technician | Solar Energy Installer |
| * Geologist | Wastewater Treatment Operator |
| Health and Safety Technician | Water Treatment Operator |



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FACULTY

Together, EHSM faculty represent over 150 years combined experience in the field of Environmental Health and Safety that include management in regulatory compliance/inspection, construction, environmental consultation, emergency response, and general industry. All members of the EHSM faculty team have worked in the field between 15-35 years, bringing to the classroom both knowledge and valuable wisdom which is paramount to a successful career in Environmental Health and Safety. EHSM faculty work in industry and are aware of industry needs, regulatory requirements, industry contacts, lessons learned, management techniques, and motivational skills to prepare students for the critical link between the classroom and the workforce.



Rick Wilson,
Program Coordinator

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For more information see the EHSM website:
www.cuyamaca.edu/EHSM



COURSE/PROGRAM INFORMATION

ENVIRONMENTAL MANAGEMENT

Associate in Science Degree Requirements:

- BIO 112 - Contemporary Issues in Environmental Resources
- BIO 130 - General Biology I
- BIO 131 - General Biology I Laboratory
- CHEM 115 - Fundamentals of Chemistry
- EHSM 100 - Introduction to Environmental & Occupational Safety and Health (OSH) Technology
- EHSM 110 - Pollution Prevention
- EHSM 150 - Hazardous Waste Management Applications
- EHSM 200 - Hazardous Materials Management (HMM) Applications
- EHSM 210 - Industrial Wastewater and Stormwater Management
- EHSM 215 - Air Quality Management
- EHSM 230 - Safety and Emergency Response
- EHSM 240 - Cooperative Work Experience

OCCUPATIONAL SAFETY AND HEALTH (OSH) MANAGEMENT

Associate in Science Degree Requirements:

- BIO 130 - General Biology I
- BIO 131 - General Biology I Laboratory
- CHEM 115 - Fundamentals of Chemistry
- EHSM 100 - Introduction to Environmental and Occupational Safety and Health (OSH) Technology
- EHSM 130 - Environmental/Occupational Health Effects of Hazardous Materials
- EHSM 135 - General Industry Safety Standards
- EHSM 145 - Construction Safety Standards
- EHSM 200 - Hazardous Materials Management (HMM) Applications
- EHSM 201 - Introduction to Industrial Hygiene and Occupational Health
- EHSM 205 - Safety and Risk Management Administration
- EHSM 230 - Safety and Emergency Response
- EHSM 240* - Cooperative Work Experience

STUDENT TESTIMONIALS



"It's a great honor to be associated with the EHSM (Environmental Health & Safety Management) program at Cuyamaca College. All the instructors, IPN (Industry Panel Night), and the participation in Balboa Earth Fair, Fire Expos and Fire Relief have helped motivate me toward a career in EHS. Throughout this process I gleaned an AS Degree, new friends and great professional acquaintances. I look

forward to continuing our association, simultaneously working on my upper division."
Bobby Cariño, Cuyamaca College - Associated Student Government President



"Retiring from the Navy and moving to aerospace was a significant transition. I had a strong safety background from my military

experience, but the aerospace companies' management wanted me to obtain a better understanding of Environmental Management. Since taking classes at Cuyamaca I have a broader understanding of Environmental Management and Occupational Safety as they relate to each other. This understanding of the Environmental Health and Occupational Safety as symbiotic fields has made me a better EH&S Manager and the Cuyamaca College EHSM Department were instrumental in that effort."

Ken Cleversy, Manager Environmental Health and Safety (EHS), Senior Aerospace



"What I found in the EHSM program was relevant course material taught by instructors who not only truly encouraged meaningful

learning, but who also coached, encouraged, and provided a sense of community and of professionalism among those of us in the program. The course work, the sense of community, and the standards of professionalism encouraged in Cuyamaca's Environmental Health and Safety Management program contributed to the successful completion of an internship with Hensel Phelps Construction Company that ultimately resulted in my full time employment with a team of professionals that I not only respect, but feel at home with."

Erin Deryck, Safety Engineer, Hensel Phelps Construction Company



"EHSM has helped me prepare for my present position as Safety Risk Manager of Sherwood Mechanical Inc. I have

received training at several other institutions of learning before I found the EHSM classes at Cuyamaca. They were top-notch and informative. I found the instructors very knowledgeable and understanding the needs of adult learners."

Richard Kaulen COSS, EHSM, Safety Risk Manager, Sherwood Mechanical Inc.



"Being at BAE Systems has provided me with a wealth of shipyard experience in dealing with the

work force, management & Navy personnel. EHSM classes have been extremely important to my progress and growth at work, expanding my knowledge in the field of Safety. Working in the shipyard was a new experience and my continuing education at Cuyamaca College, has lead me in the right direction to truly assist individuals to be safer at work."

Jonas Montalvo, Safety Technician & ESL Safety Trainer, BAE Systems Ship Repair Facility