

Occupational and Environmental Safety Management

Honolulu Community College's Occupational and Environmental Safety Management (OESM) curriculum has been designed to provide practical training in safety and health program administration, workplace hazard recognition/evaluation control, workers compensation principles, hazardous chemical risk assessment, and environmental management. Methods and techniques comply with Occupational Safety and Health Administration (OSHA), Hawaii Occupational Safety and Health (HIOSH), and U.S. Environmental Protection Agency (EPA) standards. Our goal is to prepare students to work as occupational safety and health professionals and environmental technicians.

Program Entry Requirements

English Requirements:

Grade of "C" or higher in ENG 22 or 60
OR
COMPASS* placement into ENG 100

Math Requirements:

Grade of "C" or higher in Math 25
OR
COMPASS* placement in
Math 27/100/103/115

*UH Community College System placement test

Recommended Preparation

Courses in writing, speech, chemistry, math, biology, psychology, and computer

Costs (not including tuition)

Books and supplies: \$200 - \$300 per semester

Program Technical Standards



Our program technical standards have been developed to help students understand the minimum essential mental, physical, and behavioral skills necessary for participation in and completion of all core aspects of our curriculum.

As an OESM student, you will be expected to do the following:

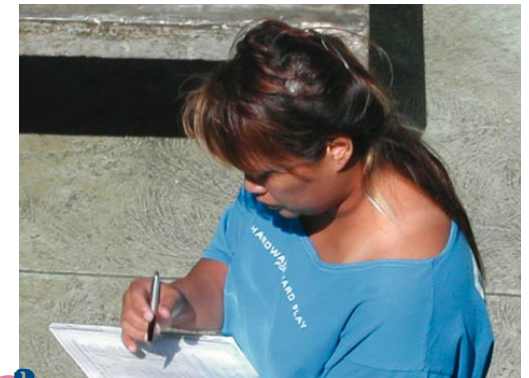
General: Appropriately apply regulations and professional guidelines to evaluate and manage workplace and environmental health and safety.

Specific: Read textbooks and handouts.
Read and interpret federal, state and local laws and regulations.
Paraphrase OSHA/HIOSH standards.
Identify pertinent laws and regulations addressing health and safety issues.
Analyze causes and effects of workplace and environmental health and safety conditions.
Search for resources using the Internet.
Visualize three-dimensional objects from pictures or descriptions.
Recognize toxic materials and other harmful agents.
Explain concepts and techniques of inspections.
Follow procedures for inspection and accident investigation.
Use mathematical formulas and equations.
Propose controls for workplace/industrial health and safety hazards.
Discuss the principles and techniques of workers' compensation management.
Examine physical, chemical, and biological hazards.

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1 OESM students explain concepts and techniques of inspections.



2 An OESM student makes independent observations and assessments of health and safety conditions.

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1

OESM students perform emergency response procedures for chemical and physical exposures.



Sensory/
Observation
skills

2

General: Make independent observations and assessments of health and safety conditions.

Specific: Scan environment for indicators of hazardous conditions.

Read meters, gauges, and other monitoring devices.

Recognize warning signs and labels.

Distinguish identifying colors, shapes, and forms of objects and materials.

Recognize clues of potential chemical exposure.

Select appropriate materials, tools and equipment to control hazards.

Investigate accidents.



3

OESM students participate in outdoor hands-on field training in hazard analysis, site control and evaluation.

Motor
skills

3

General: Possess sufficient physical strength, flexibility, and dexterity to participate in field activities.

Specific: Travel to various work sites.

Practice emergency response skills.

Don personal protective equipment.

Participate in outdoor hands-on field training in hazard analysis, site control and evaluation.

Conduct on-site inspections of facilities.

Use environmental monitoring instruments.

Maintain regular attendance in field training activities.

Diagram accident scenes.

Photograph accident scenes.



4

OESM student conducts a training session.

Communication
skills

4

General: Communicate effectively to gather and convey information.

Specific: Obtain necessary information from oral and written sources.

Express information coherently.

Conduct training sessions and oral presentations in class.

Interview employees.

Document information accurately.

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5 Behavioral skills

General: Behave appropriately and safely in a shared learning environment.

Specific: Work independently with minimal supervision.
Work cooperatively with partners and groups.
Follow through with individual and shared responsibilities.
Exercise good judgement.
Follow safety procedures.
Conduct oneself according to professional and ethical standards of the field.

6 Environmental tolerance

General: Function safely in classroom and outdoor field training activities.

Specific: Work for prolonged periods exposed to:

- Artificial lighting
- Air conditioning
- Heat
- Dust
- Various noise levels



5 OESM students work cooperatively as a group.



6 OESM students work for prolonged periods exposed to heat.

For More Information

If you are interested in our program, we encourage you to meet with our OESM counselor (phone: 845-9129) and refer to the information at <http://tech.honolulu.hawaii.edu/oesm/index.html> to decide whether the OESM program is right for you.

Please keep in mind that you will have to fulfill additional requirements to be eligible for certification exams or licensure in the field. For more information go to <http://www.bdsp.org/bdsp/index.php> or <http://www.abih.org/>

Disability Accommodations

We have developed our technical standards in compliance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973. We will provide reasonable accommodations to qualified students with disabilities. If you are interested in our program, we encourage you to review the program technical standards and course information at <http://tech.honolulu.hawaii.edu/oesm/index.html> to decide whether the OESM program is right for you.

If you have questions about the OESM program, please call the HCC Counseling Office at 845-9129. Individuals with hearing impairments may call 845-9270 (v/t) or use the Telecommunication Relay Service at 1-877-447-5990.

If you have questions about disability access and accommodations, please direct them to HCC's Services for Students with Disabilities (SSD) at 845-9282 (v/t), 845-9272 (v/t), or e-mail access@hcc.hawaii.edu. SSD will be happy to meet with you, evaluate your disability documentation, and, as appropriate, recommend reasonable accommodations consistent with your documented limitations and the technical standards of the program. We will keep your disability information confidential within the parameters of the accommodation process.