Why Choose Environmental Health & Safety Management?

Residents Scramble to Get Safe Water.
Chemical Linked to Cancer.
Company Pays Fine to EPA.
Woman Dies after Being Pulled into Mixer.
Pesticide Misuse Sickens Dozens.
Foodborne Illness Strikes.

Ever wonder who keeps these types of problems from happening or who investigates these problems when they do happen? It could be you! With a bachelor’s degree in Environmental Health and Safety Management, you could be the professional working behind the headlines.

While you will be trained in the fundamentals of all Environmental Health and Safety Management program areas, you will be able to specialize in one of these career path concentrations:

- Hazardous Materials
- Industrial Hygiene
- Industrial Safety
- Environmental Health

While all concentrations provide employment opportunities in private and government settings, most jobs available in hazardous materials, industrial hygiene, and industrial safety are with industry and consulting firms. The majority of jobs in environmental health are with governmental agencies responsible for environmental protection and food safety, either at the local, state or federal level.

Hazardous Materials

The management of hazardous materials is a critical part of doing business in industry today. Both large and small industries must constantly work to protect their workers from industrial chemical materials and to dispose of waste materials properly. Hazardous materials managers ensure that chemicals are managed, handled, stored and used in a manner that minimizes worker exposure throughout their lifetime. Hazardous materials managers must also be prepared to deal with any chemical emergencies that may occur. Chemical leaks, worker exposures, emergency events resulting from chemical releases or any other hazardous chemical or hazardous waste event requires the skills of the hazardous materials management professional.

Admission Requirements

First-year students must have a high school diploma with a minimum 2.0 GPA, one year of biology and college-preparatory math equivalent to MATH 110 or an ACT math subscore of 19 or better. Transfer students must have a minimum 2.0 GPA, including a college math course equivalent to MATH 110 or an ACT math subscore of 19 or better.

Graduation Requirements

The Environmental Health and Safety Management program at Ferris leads to a bachelor of science degree. Graduation requires a minimum 2.0 GPA overall. Students must successfully complete all credit and course requirements for the option selected. Some courses require a ‘C’ or better.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 108</td>
<td>MEDICAL MICROBIOLOGY*Z</td>
<td>3</td>
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<tr>
<td>BIOL 109</td>
<td>BASIC HUMAN ANATOMY/PHYSIOLOGY*Z</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 121</td>
<td>GENERAL BIOLOGY 1 *Z</td>
<td>5</td>
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<tr>
<td>CCHS 102</td>
<td>SAFETY ISSUES-HEALTH CARE</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 121</td>
<td>GENERAL CHEMISTRY 1 *Z</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 122</td>
<td>GENERAL CHEMISTRY 2 *Z</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 214</td>
<td>FUND OF ORGANIC CHEMISTRY *Z</td>
<td>4</td>
</tr>
<tr>
<td>COMM 105</td>
<td>INTERPERSONAL COMMUNICATION</td>
<td>3</td>
</tr>
<tr>
<td>COMM 221</td>
<td>SMALL GROUP DECISION MAKING</td>
<td>3</td>
</tr>
</tbody>
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Electives:

- Cultural Enrichment | 9 |
- EHS 101 INTRO TO ENVIRON HEALTH & SAFETY MGT | 1 |
- EHS 201 FUND OF ENVIRONMENTAL HEALTH | 3 |
- EHS 202 FUND OF HAZARDOUS MATERIALS & WASTE | 3 |
- EHS 203 FUND OF INDUSTRIAL HYGIENE | 3 |
- EHS 204 FUND OF INDUSTRIAL SAFETY | 4 |
- EHS 208 ENVIRONMENTAL REGS 1 | 3 |
- EHS 211 WATER/WASTEWATER SYSTEMS | 4 |
- EHS 213 INTRO TO EPIDEMIOLOGY | 1 |
- EHS 215 ENVIRONMENTAL HEALTH STATS | 2 |
- EHS 330 OSHA LAWS & REGULATIONS | 2 |
- EHS 345 WASTE OPERATIONS & EMERGENCY RESPONSE | 3 |
- EHS 375 TOXICOLOGY | 3 |
- EHS 412 INDUSTRIAL VENTILATION | 4 |
- EHS 415 ENVIRONMENTAL SAMPLING | 3 |
- EHS 419 ORIENTATION TO INTERNSHIP | 1 |
- EHS 440 ENVIRONMENTAL REGS 2 | 3 |
- EHS 493 EHSM INTERNSHIP | 8 |
- EHS ELEC | MGMT Elective | 2-3 |
- ENGL 150 | ENGLISH 1 | 3 |
- ENGL 250 | ENGLISH 2 | 3 |
- ENGL 311 | ADVANCED TECHNICAL WRITING | 3 |
- GEOG 121 | PHYSICAL GEOLOGY*Z | 4 |
- GEOG 131 | GEOLOGY & LAND-USE MGMT *Z | 3 |
- GEOG 321 | HYDROGEOLOGY* | 4 |
- MATH 120 | TRIGONOMETRY | 3 |
- MGMT Elective | 2-3 |

Credit Hours Required for Graduation: 124

More Information

For more information about this program, contact:
Environmental Health and Safety Management
Ferris State University
200 Ferris Drive
Big Rapids, MI 49307-2280
Phone: 1-800-462-8553, ext. 2307