Occupational and Environmental Health, M.S.

Requirements

The Master of Science in occupational and environmental health requires 38-43 s.h. of graduate credit. The degree program is offered with three options—the M.S. in occupational and environmental health (38 s.h.) without a subprogram, the M.S. with an agricultural safety and health subprogram (42 s.h.), or the M.S. with an industrial hygiene subprogram (43 s.h.).

M.S. Without Subprogram

The Master of Science with a major in occupational and environmental health without a subprogram requires a minimum of 38 s.h. and includes the following coursework.

Core Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEH:4240</td>
<td>Global Environmental Health</td>
<td>3</td>
</tr>
<tr>
<td>OEH:5010</td>
<td>Occupational and Environmental Health Seminar</td>
<td>1</td>
</tr>
<tr>
<td>OEH:5620</td>
<td>Occupational Health</td>
<td>3</td>
</tr>
<tr>
<td>CPH:6100</td>
<td>Essentials of Public Health</td>
<td>2</td>
</tr>
<tr>
<td>CPH:7270</td>
<td>Principles of Scholarly Integrity: Public Health</td>
<td>1</td>
</tr>
<tr>
<td>EPID:4400</td>
<td>Epidemiology I: Principles</td>
<td>3</td>
</tr>
<tr>
<td>OEH:4540</td>
<td>Statistics for Experimenters</td>
<td>3</td>
</tr>
<tr>
<td>BIOS:4120</td>
<td>Introduction to Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>At least 6 s.h. from these:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OEH:4260</td>
<td>Global Water and Health</td>
<td>3</td>
</tr>
<tr>
<td>OEH:4310</td>
<td>Occupational Ergonomics: Principles</td>
<td>3</td>
</tr>
<tr>
<td>OEH:4510</td>
<td>Injury and Violence Prevention</td>
<td>3</td>
</tr>
<tr>
<td>OEH:5410</td>
<td>Occupational Safety</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6110</td>
<td>Rural Health and Agricultural Medicine</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6510</td>
<td>Environmental and Occupational Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6710</td>
<td>Human Toxicology and Risk Assessment</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

Credit earned in elective coursework and the thesis completes the 38 s.h. required for the degree. Students work with their advisor to select courses appropriate for their professional goals.

Thesis

A thesis is required. Students may earn a maximum of 6 s.h. for the thesis.

M.S. with Agricultural Safety and Health Subprogram

The program prepares students for careers in education, health care, insurance, and agribusiness as specialists in agricultural safety and health.

The Master of Science with a major in occupational and environmental health with an agricultural safety and health subprogram requires a minimum of 42 s.h. and includes the following coursework.

Core Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEH:4240</td>
<td>Global Environmental Health</td>
<td>3</td>
</tr>
<tr>
<td>OEH:5010</td>
<td>Occupational and Environmental Health Seminar</td>
<td>1</td>
</tr>
<tr>
<td>OEH:5410</td>
<td>Occupational Safety</td>
<td>3</td>
</tr>
<tr>
<td>OEH:5620</td>
<td>Occupational Health</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6110</td>
<td>Rural Health and Agricultural Medicine</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6210</td>
<td>Current Topics in Agriculture and Rural Health (taken three times for 1 s.h. each)</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6710</td>
<td>Human Toxicology and Risk Assessment</td>
<td>3</td>
</tr>
<tr>
<td>OEH:7040</td>
<td>Preceptorship in Occupational and Environmental Health</td>
<td>1</td>
</tr>
<tr>
<td>CPH:6100</td>
<td>Essentials of Public Health</td>
<td>2</td>
</tr>
<tr>
<td>CPH:7270</td>
<td>Principles of Scholarly Integrity: Public Health</td>
<td>1</td>
</tr>
<tr>
<td>EPID:4400</td>
<td>Epidemiology I: Principles</td>
<td>3</td>
</tr>
<tr>
<td>OEH:4540</td>
<td>Statistics for Experimenters</td>
<td>3</td>
</tr>
<tr>
<td>BIOS:4120</td>
<td>Introduction to Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>At least 6 s.h. from these:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OEH:4260</td>
<td>Global Water and Health</td>
<td>3</td>
</tr>
<tr>
<td>OEH:4310</td>
<td>Occupational Ergonomics: Principles</td>
<td>3</td>
</tr>
<tr>
<td>OEH:4510</td>
<td>Injury and Violence Prevention</td>
<td>3</td>
</tr>
<tr>
<td>OEH:5410</td>
<td>Occupational Safety</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6110</td>
<td>Rural Health and Agricultural Medicine</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6510</td>
<td>Environmental and Occupational Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6710</td>
<td>Human Toxicology and Risk Assessment</td>
<td>3</td>
</tr>
</tbody>
</table>

Recommended Elective Courses

This is a recommended list of elective coursework; however, any occupational and environmental health course (prefix OEH) may be taken as an elective.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEH:4260</td>
<td>Global Water and Health</td>
<td>3</td>
</tr>
<tr>
<td>OEH:4310</td>
<td>Occupational Ergonomics: Principles</td>
<td>3</td>
</tr>
<tr>
<td>OEH:4510</td>
<td>Injury and Violence Prevention</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6420</td>
<td>Methods in Exposure Science</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6431</td>
<td>Assessing Noise Hazards</td>
<td>1</td>
</tr>
</tbody>
</table>
OEH:6432 Assessing Nonionizing Radiation Hazards 1
OEH:6433 Assessing Ionizing Radiation Hazards 1
OEH:6440 Control of Occupational Hazards 3
OEH:6510 Environmental and Occupational Epidemiology 3
OEH:6520 Injury Epidemiology 3
OEH:6720 Advanced Toxicology 4
CPH:4200 Agriculture, Food Systems, and Sustainability 3

Required Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>All of these (22 s.h.):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OEH:4540</td>
<td>Statistics for Experimenters</td>
<td>3</td>
</tr>
<tr>
<td>OEH:5010</td>
<td>Occupational and Environmental Health Seminar</td>
<td>1</td>
</tr>
<tr>
<td>OEH:5620</td>
<td>Occupational Health</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6420</td>
<td>Methods in Exposure Science</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6440</td>
<td>Control of Occupational Hazards</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6710</td>
<td>Human Toxicology and Risk Assessment</td>
<td>3</td>
</tr>
<tr>
<td>EPID:4400</td>
<td>Epidemiology I: Principles</td>
<td>3</td>
</tr>
<tr>
<td>CPH:6100</td>
<td>Essentials of Public Health</td>
<td>2</td>
</tr>
<tr>
<td>CPH:7270</td>
<td>Principles of Scholarly Integrity: Public Health</td>
<td>1</td>
</tr>
</tbody>
</table>

At least 12 s.h. from these:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEH:4240</td>
<td>Global Environmental Health</td>
<td>3</td>
</tr>
<tr>
<td>OEH:4310</td>
<td>Occupational Ergonomics: Principles</td>
<td>3</td>
</tr>
<tr>
<td>OEH:4510</td>
<td>Injury and Violence Prevention</td>
<td>3</td>
</tr>
<tr>
<td>OEH:5410</td>
<td>Occupational Safety</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6431</td>
<td>Assessing Noise Hazards</td>
<td>1</td>
</tr>
<tr>
<td>OEH:6432</td>
<td>Assessing Nonionizing Radiation Hazards</td>
<td>1</td>
</tr>
<tr>
<td>OEH:6433</td>
<td>Assessing Ionizing Radiation Hazards</td>
<td>1</td>
</tr>
<tr>
<td>OEH:6450</td>
<td>Aerosol Technology</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6510</td>
<td>Environmental and Occupational Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>OEH:6520</td>
<td>Injury Epidemiology</td>
<td>3</td>
</tr>
</tbody>
</table>

Thesis or Nonthesis Option

Thesis (Research Option)

Research Project and Thesis

Completion of a research project and thesis is required. A maximum of 6 s.h. is allowed for thesis credit in OEH:7000.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
</table>

Electives

Thesis option students complete additional elective coursework to earn at least 43 s.h. required for the major. Students work with their advisor to select courses most appropriate for their professional goals.

Nonthesis (Internship Option)

Internship and Internship Report

Completion of an internship and an internship report is required. A maximum of 3 s.h. is allowed for internship credit in OEH:7050. Students are required to complete a minimum 150-hour internship.
### Electives

Nonthesis option students complete additional elective coursework to earn at least 43 s.h. required for the major. Students work with their advisor to select courses most appropriate for their professional goals.