



College of Health Sciences

Industrial Hygiene Major

The Department of Social and Public Health intends to offer a three-year baccalaureate degree route to students pursuing a major in Industrial Hygiene. This option will be open to students who complete 25 hours of academic credit spread over two summer terms or through advanced placement or concurrent enrollment credit completed while in high school. Other students will also be able to pursue this degree in a four-year time frame.

The curriculum outlined below is a semester-by-semester plan of study for the Health Services Administration major in adherence to section 3333.71 of the Revised Code for the three-year baccalaureate degrees. This plan described a path that includes the summer enrollment option. Please review this document to gain a better understanding of program requirements.

The scheduling scenario below is intended to present an example pattern by which this major can be completed in three years. Those interested in pursuing this option need to work with an academic advisor to develop a specific plan to earn the 129 credit hours required for graduation.

Industrial Hygiene

| Semester 1: Fall | | | |
|---|--------------|----------------|---------------|
| Course Subject and Title (Or General Tier/Major Requirement) | Credit Hours | Upper Division | Minimum Grade |
| CHEM 1210/1510: Principles of Chemistry 1/Fundamentals of Chemistry I | 4 | | |
| HLTH 2000 Introduction to Public Health | 3 | | |
| Tier II Fine Arts | 3 | | |
| SOC 1000 Introduction to Sociology | 3 | | |
| COMS 1030/BA 1100: Fundamentals of Public Speaking/Introduction to Business | 3 | | |
| Total hours for semester | 15 | | |

Semester 2: Spring

| Course Subject and Title (Or General Tier/Major Requirement) | Credit Hours | Upper Division | Minimum Grade |
|---|--------------|----------------|---------------|
| CHEM 1220/1520: Principles of Chemistry II/Fundamentals of Chemistry II | 4 | | |
| ENG 1610 Freshman Composition: Writing and Rhetoric | 3 | | |
| MATH 1350 Survey of Calculus | 4 | | |
| PSY 1010 General Psychology | 3 | | |
| EH 2000 Introduction to Environmental Health and Safety | 3 | | |
| Total hours for semester | 17 | | |

Semester 3: Summer

| Course Subject and Title (Or General Tier/Major Requirement) | Credit Hours | Upper Division | Minimum Grade |
|--|--------------|----------------|---------------|
| BIOS 1030 Human Biology I: Basic Principles | 3 | | |
| COMS 3400 Introduction to Health Communication | 3 | Yes | |
| HLTH 2300 Medical Terminology | 3 | | |
| PSY 1110 Elementary Statistical Reasoning | 3 | | |
| Tier II Cross Cultural Perspectives | 3 | | |
| Total hours for semester | 15 | | |

Semester 4: Fall

| Course Subject and Title (Or General Tier/Major Requirement) | Credit Hours | Upper Division | Minimum Grade |
|--|--------------|----------------|---------------|
| IH 2000 Essentials of Industrial Hygiene & Occupational Safety | 3 | | |
| IH 4100 Toxicology for Health Sciences | 3 | Yes | |
| EH 4000 Environmental Health & Safety Risk Communication | 3 | Yes | |
| BIOS 2210 Microbes and Humans | 3 | | |
| BIOS 2215 Microbes and Humans Lab | 1 | | |
| ECON 1030 Principles of Microeconomics | 3 | | |
| Total hours for semester | 16 | | |

Semester 5: Spring

| Course Subject and Title (Or General Tier/Major Requirement) | Credit Hours | Upper Division | Minimum Grade |
|--|--------------|----------------|---------------|
| IH 4200 Industrial Ventilation with Laboratory | 4 | Yes | |
| EH 3100 Air, Waters and Wastes | 3 | Yes | |
| EH 3300 Food Quality and Vector Control | 3 | Yes | |
| CHEM 3010 Organic Chemistry | 3 | Yes | |
| CHEM 3080 Organic Chemistry Laboratory | 1 | Yes | |
| HLTH 3300 Community Health Epidemiology | 3 | Yes | |
| Total hours for semester | 17 | | |

Semester 6: Summer

| Course Subject and Title (Or General Tier/Major Requirement) | Credit Hours | Upper Division | Minimum Grade |
|--|--------------|----------------|---------------|
| Tier I Junior Composition | 3 | | |
| Tier II Humanities & Literature | 3 | | |
| ECON 1040 Principles of Macroeconomics | 3 | | |
| MGMT 2000 Introduction to Management | 3 | | |
| PHYS 2001 Introduction to Physics | 4 | | |
| Total hours for semester | 16 | | |

Semester 7: Fall

| Course Subject and Title (Or General Tier/Major Requirement) | Credit Hours | Upper Division | Minimum Grade |
|--|--------------|----------------|---------------|
| EH 3200 Health and the Built Environment | 3 | Yes | |
| EH 4400 Occupational Safety and Health | 3 | Yes | |
| IH 4500 Public Health Emergency Response | 3 | Yes | |
| IH 4300 Laboratory Safety and Hygiene | 3 | Yes | |
| PHYS 2002 Introduction to Physics | 4 | | |
| Total hours for semester | 16 | | |

Semester 8: Spring

| Course Subject and Title (Or General Tier/Major Requirement) | Credit Hours | Upper Division | Minimum Grade |
|--|--------------|----------------|---------------|
| IH 4000 Industrial Hygiene Sampling and Analysis | 4 | Yes | |
| IH 4400 Physical Hazards Evaluation and Control | 6 | Yes | |
| EH 4900 Special Topics: Environmental Health | 3 | Yes | |
| EH 4710 Environmental Risks and Society Benefits | 3 | Yes | |
| Total hours for semester | 16 | | |

¹All Tier I and Tier II Courses can be taken at any time.

²Since most of the general education courses (Tier courses at OU) easily transfer from institution to institution, these courses may be taken through online or on-campus enrollment at other institutions subject to transfer credit applicability guidelines. Students should consult an academic advisor before enrolling in courses at other institutions.

³General Electives can come from any department. Academic advisors often encourage an expanded area and/or a minor/certificate program that will complement the major.

⁴General Electives may be completed at other institutions, subject to credit transferability and minimum grade requirements.