

Occupational and Environmental Health, MS

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 MS in occupational and environmental health (38 s.h.) without a subprogram, the MS with an agricultural safety and health subprogram (42 s.h.), or the MS with an industrial hygiene subprogram (43 s.h.).

MS Without Subprogram

The Master of Science in occupational and environmental health without a subprogram requires a minimum of 38 s.h. and includes the following coursework. Completion of a thesis is required.

Core Courses

All core courses except OEH:5010, CPH:6100, and CPH:7270 must be taken on an A–F graded basis.

Course #	Title	Hours
All of these (16 s.h.):		
OEH:4240	Global Environmental Health	3
OEH:5010	Occupational and Environmental Health Seminar (taken three times, twice for 0 s.h. and once for 1 s.h.)	1
OEH:5620	Occupational Health	3
BIOS:4120	Introduction to Biostatistics	3
CPH:6100	Essentials of Public Health	2
CPH:7270	Principles of Scholarly Integrity: Public Health (taken twice, once for 0 s.h. and once for 1 s.h.)	1
EPID:4400	Epidemiology I: Principles	3
6 s.h. from these:		
OEH:4310	Occupational Ergonomics: Principles	3
OEH:4510/ CPH:4230/ EPID:4510	Injury and Violence Prevention	3
OEH:5410	Occupational Safety	3
OEH:6110	Rural Health and Agricultural Medicine	3
OEH:6230	Applied Environmental Health	3
OEH:6710	Human Toxicology and Risk Assessment	3

Electives

Students complete 16 s.h. in elective coursework. This may include any occupational and environmental health (prefix OEH), biostatistics (prefix BIOS), community and behavioral health (prefix CBH), epidemiology (prefix EPID), health

management and policy (prefix HMP), or college of public health (CPH) course numbered 4000 or above. Students work with an advisor to select courses appropriate for their professional goals, which may include coursework outside the College of Public Health.

Thesis

Completion and acceptance of a master's thesis is required. Students are permitted, but not required, to enroll in OEH:7000 Thesis/Dissertation for a maximum of 6 s.h. and apply it toward the elective requirement.

MS With Agricultural Safety and Health Subprogram

The Master of Science in occupational and environmental health with an agricultural safety and health subprogram requires a minimum of 42 s.h. and includes the following coursework. Completion of a thesis is required. The program prepares students for careers in education, health care, insurance, and agribusiness as specialists in agricultural safety and health.

Core Courses, Agricultural Safety and Health Subprogram

All core courses except OEH:5010, OEH:7040, CPH:6100, and CPH:7270 must be taken on an A–F graded basis.

Course #	Title	Hours
All of these (29 s.h.):		
BIOS:4120	Introduction to Biostatistics	3
CPH:6100	Essentials of Public Health	2
CPH:7270	Principles of Scholarly Integrity: Public Health (taken twice, once for 0 s.h. and once for 1 s.h.)	1
EPID:4400	Epidemiology I: Principles	3
OEH:4240	Global Environmental Health	3
OEH:5010	Occupational and Environmental Health Seminar (taken three times, twice for 0 s.h. and once for 1 s.h.)	1
OEH:5410	Occupational Safety	3
OEH:5620	Occupational Health	3
OEH:6110	Rural Health and Agricultural Medicine	3
OEH:6120	Current Topics in Agriculture and Rural Health (taken three times for 1 s.h. each)	3
OEH:6710	Human Toxicology and Risk Assessment	3
OEH:7040	Preceptorship in Occupational and Environmental Health	1

Electives, Agricultural Safety and Health Subprogram

Students complete 13 s.h. in elective coursework. This may include any occupational and environmental health (prefix OEH), biostatistics (prefix BIOS), community and behavioral health (prefix CBH), epidemiology (prefix EPID), health management and policy (prefix HMP), or college of public health (CPH) course numbered 4000 or above. Students

work with an advisor to select courses appropriate for their professional goals, which may include coursework outside the College of Public Health.

Thesis, Agricultural Safety and Health Subprogram

Completion and acceptance of a master's thesis is required. Students are permitted, but not required, to enroll in OEH:7000 Thesis/Dissertation for a maximum of 4 s.h. and apply it toward the elective requirement.

MS With Industrial Hygiene Subprogram

The Master of Science in occupational and environmental health with an industrial hygiene subprogram requires a minimum of 43 s.h. and includes the following coursework.

Students choose either the thesis or nonthesis option. Those who select the thesis option conduct a research project and write a thesis. Those who select the nonthesis option complete an internship. The program prepares students for careers in industrial hygiene as well as the broad field of occupational safety and health. Career opportunities are available in health and safety departments of industries; in consulting firms; in academic institutions; and in local, state, and federal public health agencies.

Core Courses, Industrial Hygiene Subprogram

All core courses except OEH:5010, CPH:6100, and CPH:7270 must be taken on an A-F graded basis.

Course #	Title	Hours
All of these (22 s.h.):		
BIOS:4120	Introduction to Biostatistics	3
CPH:6100	Essentials of Public Health	2
CPH:7270	Principles of Scholarly Integrity: Public Health (taken twice, once for 0 s.h. and once for 1 s.h.)	1
EPID:4400	Epidemiology I: Principles	3
OEH:5010	Occupational and Environmental Health Seminar (taken three times, twice for 0 s.h. and once for 1 s.h.)	1
OEH:5620	Occupational Health	3
OEH:6420	Methods in Exposure Science	3
OEH:6440	Control of Occupational Hazards	3
OEH:6710	Human Toxicology and Risk Assessment	3
12 s.h. from these:		
OEH:4240	Global Environmental Health	3
OEH:4310	Occupational Ergonomics: Principles	3
OEH:4510/ CPH:4230/ EPID:4510	Injury and Violence Prevention	3
OEH:5410	Occupational Safety	3
OEH:6431	Assessing Noise Hazards	1

OEH:6432	Assessing Nonionizing Radiation Hazards	1
OEH:6433	Assessing Ionizing Radiation Hazards	1
OEH:6450	Aerosol Technology	3
OEH:6520/ EPID:6510	Injury Epidemiology	3

Electives, Industrial Hygiene Subprogram

Thesis (Research Option)

Students completing a thesis are required to complete 9 s.h. in elective coursework; they are permitted, but not required, to enroll in OEH:7000 Thesis/Dissertation for a maximum of 6 s.h. This may include any occupational and environmental health (prefix OEH), biostatistics (prefix BIOS), community and behavioral health (prefix CBH), epidemiology (prefix EPID), health management and policy (prefix HMP), or college of public health (CPH) course numbered 4000 or above. Students work with their advisor to select courses appropriate for their professional goals, which may include coursework outside the College of Public Health.

Nonthesis (Internship Option)

Students not completing a thesis are required to complete an internship and an internship report. Students enroll in OEH:7050 Occupational and Environmental Health Internship for 3 s.h. Students are required to complete a minimum 150-hour internship.

Students complete an additional 6 s.h. in elective coursework. This may include any occupational and environmental health (prefix OEH), biostatistics (prefix BIOS), community and behavioral health (prefix CBH), epidemiology (prefix EPID), health management and policy (prefix HMP), or college of public health (CPH) course numbered 4000 or above. Students work with an advisor to select courses appropriate for their professional goals, which may include coursework outside the College of Public Health.