

ENVIRONMENTAL HEALTH: INDUSTRIAL HYGIENE MS

The Industrial Hygiene program focuses on the health and safety of people at work, the community at large, and the environment. Specific concerns are with the recognition, evaluation and control of potential workplace hazards, including chemical, physical, and biological agents. Students must complete a minimum of 52 credits. To complete program requirements, students will choose electives, in consultation with their academic advisor, which may include credits towards a minor.

PUBLIC HEALTH CORE REQUIREMENTS

12 CREDITS

The basic curriculum courses are offered online and on-campus:

- PubH 6102** Issues in Environmental and Occupational Health (2 cr)
- PubH 6250** Foundations of Public Health (2 cr)
- PubH 6320** Fundamentals of Epidemiology (3 cr)
- PubH 6450** Biostatistics I (4 cr)
- PubH 6741** Ethics in Public Health Practice (1 cr)

APPLIED PRACTICE EXPERIENCE

- PubH 7196** (3 cr)

PLAN B PROJECT

- PubH 7195** (3 cr)

INDUSTRIAL HYGIENE CORE REQUIREMENTS

23 CREDITS

- PubH 6130** Occupational Medicine: Principles & Practice (2 cr)
- PubH 6150** Interdisciplinary Evaluation of Occupational Health & Safety Field Problems (3 cr)
- PubH 6159** Principles of Toxicology I (2 cr)
- PubH 6170** Introduction to Occupational Health & Safety (3 cr)
- PubH 6172** Industrial Hygiene Applications (2 cr)
- PubH 6173** Exposure to Physical Agents (2 cr)
- PubH 6174** Control of Workplace Exposures (3 cr)
- PubH 6175** Environmental Measurements Laboratory (2 cr)
- PubH 6192** Measurement & Properties of Air Contaminants (2 cr)
- PubH 6193** Advanced Topics in Human Exposure Science (2 cr)

ELECTIVES

MINIMUM 11 CREDITS

- PubH 6020** Fundamentals of Social & Behavioral Science (2 cr)
- PubH 6112** Environmental Health Risk Assessment (2 cr)
- PubH 6115** Worker Protection Law (1 cr)
- PubH 6116** Environmental Law (1 cr)
- PubH 6120** Injury Prevention in the Workplace, Community & Home (2 cr)
- PubH 6131** Working in Public Health (2 cr)
- PubH 6132** Air, Water & Health (2 cr)
- PubH 6140** Occupational & Environmental Epidemiology (2 cr)
- PubH 6161** Regulatory Toxicology (2 cr)
- PubH 6162** Biomarkers (2 cr)
- PubH 6177** Nanotechnology Health & Safety (3 cr)
- PubH 6182** Emerging Infectious Disease (3 cr)
- PubH 6190** Environmental Chemistry (3 cr)
- PubH 6451** Biostatistics II (4 cr)
- PubH 6751** Principles of Management in Health Services Organizations (2 cr)
- CEGE 4561** Solid Hazardous Wastes (3 cr)
- CEGE 5551** Environmental Microbiology (3 cr)
- CMGT 4031** Construction Safety & Loss Control (3 cr)
- IE 5511** Human Factors in Work Analysis (4 cr)
- IE 5513** Engineering Safety (4 cr)
- KIN 5001** Foundations of Human Factors/Ergonomics (3 cr)
- ME 5113** Aerosol/Particle Engineering (4 cr)
- PA 5721** Energy & Environmental Policy (3 cr)

PROGRAM COORDINATOR

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