

## ENVIRONMENTAL HEALTH: INDUSTRIAL HYGIENE MPH

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

16 CREDITS

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

**PubH 6020** Fundamentals of Social and Behavioral Science (2 cr)

**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: Professional Practice and Policy (1 cr)

**PubH 6751** Principles of Management in Health Services Organizations (2 cr)

### APPLIED PRACTICE EXPERIENCE

**PubH 7196** (3 cr)

### INTEGRATIVE LEARNING EXPERIENCE

**PubH 7194** (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** Intro 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 Lab (2 cr)

**PubH 6192** Measurement & Properties of Air Contaminants (2 cr)

**PubH 6193** Advanced Topics in Human Exposure Science (2 cr)

### ELECTIVES

MINIMUM 7 CREDITS

**PubH 6112** Env. 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 & Env Epidemiology (2 cr)

**PubH 6161** Regulatory Toxicology (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)

**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** Fdns of Human Factors/Ergonomics (3 cr)

**ME 5113** Aerosol/Particle Engineering (4 cr)

**PA 5721** Energy & Environmental Policy (3 cr)

#### PROGRAM COORDINATOR

Katie Keyser  
Email: loas0001@umn.edu

#### PROGRAM DIRECTOR

Peter Raynor, PhD  
Email: praynor@umn.edu  
Phone: 612-625-7135  
Web: sph.umn.edu