Environmental Health 4 + 1 MPH

The Accelerated 4+1 MPH in Environmental Health (EH) allows students to graduate with both a bachelor’s degree and a master’s degree in five years. The Environmental Health MPH program addresses environmental and occupational health concerns as they relate to public health in Minnesota, the United States and around the world. While completing program requirements, students have the opportunity to explore their own interests by choosing coursework in consultation with their academic advisor. Students must complete a minimum of 42 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 & Behavioral Science (2 cr)
- PubH 6102 Issues in Environmental & Occupational Health (2 cr) – required during Senior Year
- PubH 6250 Foundations of Public Health (2 cr)
- PubH 6320 Fundamentals of Epidemiology (3 cr) or
- PubH 6341 Epidemiologic Methods I (3 cr)
- PubH 6414 Biostatistical Literacy (3 cr) or
- 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)

**Students who take PubH 6414 Biostatistical Literacy, must also take one of the following courses:**

- PubH 6107 Excel & Access in Public Health Settings (1 cr)
- PubH 6325 Data Processing with PC-SAS (1 cr)
- PubH 6420 Introduction to SAS Programming (1 cr)
- PubH 6470 SAS Procedures and Data Analysis (3 cr)
- PubH 6617 Practical Methods for Secondary Data (3 cr)
- PubH 6755 Planning & Budgeting for Public Health (2 cr)
- PubH 6813 Managing Electronic Health Information (2 cr)
- PubH 6845 Using Demographic Data for Policy Analysis (3 cr)
- PubH 7461 Exploring and Visualizing Data in R (2 cr)

APPLIED PRACTICE EXPERIENCE

PubH 7196 (1-5 cr)

INTEGRATED LEARNING EXPERIENCE

PubH 7194 (1-5 cr)

ENVIRONMENTAL HEALTH REQUIREMENT

4 CREDITS

INTEGRATED EXPOSURE & HEALTH EFFECTS

Select at least one course from the following list:

- PubH 6100 Topics: GIS & Spatial Analysis (3 cr)
- PubH 6106 Making Sense of Health Studies (2 cr)
- PubH 6112 Environmental Health Risk Assessment: Application to Human Health Risks from Exposure to Chemicals (2 cr)
- PubH 6154 Climate Change & Global Health (3 cr)
- PubH 6162 Biomarkers (2 cr)
- PubH 6181 Surveillance of Foodborne Diseases & Food Safety Hazards (2 cr)
- PubH 6190 Environmental Chemistry (3 cr)
- PubH 6193 Adv. Topics in Human Exposure Science (2 cr)

RISK MANAGEMENT

Select at least one course from the following list:

- 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 6123 Violence Prevention & Control: Theory, Research, & Application (2 cr)

ELECTIVES

MINIMUM 12 CREDITS

- PubH 6100 GIS & Spatial Analysis for Public Health (2 cr)
- PubH 6112 Environmental Health Risk Assessment: Application to Human Health Risks from Exposure to Chemicals (2 cr)
- PubH 6120 Injury Prevention in the Workplace, Community, & Home (2 cr)
- PubH 6123 Violence Prevention & Control: Theory, Research & Application (2 cr)
- PubH 6131 Working in Global Health (2 cr)
- PubH 6132 Air, Water and Health (2 cr)
- PubH 6135 Job Search Strategies & Career Professional Development (1 cr)
- PubH 6140 Environmental & Occupational Epidemiology (2 cr)
- PubH 6154 Climate Change & Global Health (3 cr)
- PubH 6161 Regulatory Toxicology (2 cr)
- PubH 6162 Application of Biomarkers in Public Health Research (2 cr)
- PubH 6170 Introduction to Occupational Health & Safety (3 cr)
- PubH 6182 Emerging Infectious Diseases: Current Issues (3 cr)
- PubH 6190 Environmental Chemistry (3 cr)
- PubH 6192 Measurement & Properties of Air Cont. (2 cr)

Version date: 10/14/2019. All coursework, class code and credit amount is subject to change. Above curriculum representative for students entering Fall 2019.