

**Learning Objectives for Advanced Professional M.P.H. Program:**  
**Preventive Medicine Track**

**Core Curriculum**

Upon completing the core curriculum of the M.P.H. program, the student will be able to:

- Demonstrate a knowledge base in the disciplines of biostatistics, chronic and infectious disease epidemiology, health systems, public policy, social and behavioral sciences, and environmental health.
- Apply basic research skills to specific public health problems in both group and individual settings, including the ability to define problems; construct, articulate and test hypotheses; draw conclusions; and communicate findings to a variety of audiences.
- Explain the interrelationships between a multitude of factors that can impact on a public health problem, including scientific, medical, environmental, cultural, social, behavioral, economic, political, and ethical factors.
- Review, critique, and evaluate public health reports and research articles.
- Apply public health concepts, principles, and methodologies obtained through formal course work to actual problems experienced in the community or work environment.
- Critically evaluate programs, interventions, and outcomes that relate to public health practice.
- Apply ethical standards and professional values as they relate to the practice of public health.
- Demonstrate sensitivity to the social context within which public health professionals practice.

**Preventive Medicine Track**

Upon receiving an M.P.H. degree in the Advanced Professional M.P.H. Program, with a concentration in Preventive Medicine, the student will be able to:

- Evaluate the scientific merit and feasibility of epidemiologic study designs.
- Construct research hypotheses and design a study to test these hypotheses.
- Synthesize information from a variety of epidemiologic and related studies.
- Describe the appropriate statistical analyses to examine different types of epidemiologic and social and behavioral research questions.
- Identify, interpret, and use routinely collected data on disease occurrence.
- Review, critique and evaluate epidemiologic reports and research articles at an intermediate level.
- Write an NIH-type research proposal.
- Apply social, psychological and behavioral theory in the design, implementation, and evaluation of prevention interventions.
- Describe the role of health behavior in disease.
- Evaluate and interpret health behavior change interventions.
- Review, interpret, and evaluate epidemiologic reports and research articles pertaining to occupational and environmental risk factors.
- Review, interpret, and evaluate toxicological reports and research articles pertaining to occupational and environmental risk factors.
- Synthesize complex data sources about occupational and environmental hazards to make inferences about human risk.