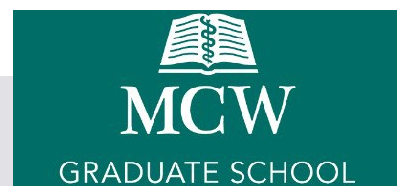


2025-26

## PUBLIC HEALTH

Degree Offered: Certificate



### Program Description

This completely online program is designed for individuals interested in pursuing or further developing a career in public health. Coursework consists of four major disciplines of public health (12 credits). All credits offered in the certificate program may be transferable to the Master of Public Health program within one year of certificate completion.

### Admission Requirements

In addition to the general [Graduate School admission requirements](#), this program has no additional specific requirements.

### Credits Required to Graduate

12 credits

### Required Courses

**PUBH 18155 Public Health Theory & Practice.** *3 credits.*

This course provides an overview of various theories in public health, as well as, how public health theories can be applied in individual, interpersonal, and community settings. The course will highlight various factors that contribute to public health, including biological, family, ethnic and cultural, and community stressors that affect health and well-being. The course will provide an overview of translating research into public health practice.

**PUBH 18165 Principles of Public Health Data and Epidemiology.** *3 credits.*

The Principles of Public Health Data and Epidemiology course examines public health data and epidemiological concepts, including foundations of epidemiology, practical applications of public health data and epidemiology, core measures in public health, descriptive epidemiology, sources of data, study designs and data analysis, communicating data, informatics, disease transmission and prevention, morbidity and mortality, screening tests, infectious disease causation, environmental health, and social, behavioral, and psychosocial epidemiology. The course emphasizes practical application of concepts and skills learned related to accessing, analyzing, and communicating public health data. The course provides the student with an understanding of the distribution and determinants of health and disease in population groups and supports learning in many other courses in the MPH program.

**PUBH 18203 Public Health Administration.** *3 credits.*

Public health professionals require administrative skills at many levels, from managing personnel and health programs, to making and advocating for organizational and policy decisions regarding the distribution of society's scarce public health resources. This is a survey course designed to introduce 1) Local Public Health - the structure, functions, and financing of public health within the context of the U.S. healthcare system and its health policies; 2) Targeting Resources and Implementing Programs - the planning, implementation, and evaluation of programs to improve health; and 3) Funding Public Health - principles of effective finance, budgeting, grant-writing, and management strategies. In addition to

tutorials, readings and case studies, students will complete assignments that are aligned with their own communities, organizations, and professional roles.

**PUBH 18204 Public Health Analytics.** *3 credits.*

The overall goal of the course is to provide the students with an opportunity to delve into public health analytics by managing, analyzing, interpreting, synthesizing, and disseminating data and research findings. In addition, students will read, critically reflect, actively discuss, and write on public health research analytics. The materials in this course provide a basis for understanding concepts and applications critical to public health in the context of applied research. The students will develop knowledge and training in the areas of research, analysis, and data management in quantitative and qualitative public health research.

Contact information: [gradschool@mcw.edu](mailto:gradschool@mcw.edu) | (414) 955-8218