

CERTIFICATE IN PUBLIC HEALTH AND EMERGENCY RESPONSE

The 12 credit hours graduate Certificate in Public Health and Emergency Response focuses on the characteristics and human health impacts of biological, chemical, and radiological agents; personal protective equipment and decontamination; site monitoring instrumentation and methods; epidemiological investigation and surveillance; and, applicable regulatory standards and recommended professional guidelines for incident recognition, response, and control. NOCPH MPH students may not take this certificate concurrently while earning the MPH.

Student Learning Objectives

Student learning objectives for the Certificate in Public Health and Emergency Response:

- Apply fundamental and advanced principles of statistics, epidemiology, environmental health science, and occupational health science to real-world public health issues and problems
- Objectively and subjectively assess chemical, biological, and physical agents classified as hazardous to humans health (including terrorism agents)
- Conduct fundamental sample collection of media contaminated with hazardous chemical, biological, and physical agents
- Critically analyze and interpret statistical, epidemiological, toxicological, and communicable disease information for prevention and remediation program development and implementation
- Collect and evaluate applicable information to conduct disaster preparation/planning

Certificate in Public Health and Emergency Response students take the following courses.

Code	Title	Hours
PUBH 5260	Haz Mat and Emerg Response	3
PUBH 6000	Biostatistics	3
PUBH 6010	Public Health Epidemiology	3
Select one of the following:		3
PUBH 5310	Chemical Agents	
PUBH 5520	Biological Agents	
PUBH 5700	Risk Assessment	
PUBH 6030	Advanced Epidemiology	
PUBH 6120	Epidemiology Infectious Diseases	
Total Hours		12