

GRADUATE CERTIFICATE IN OCCUPATIONAL HEALTH

The 15 credit hours graduate Certificate in Occupational Health provides education and training focused on scientific, technical, regulatory, and administrative principles and practices for preventing and controlling worker and community exposures to physical (e.g., noise, radiation), chemical (e.g., toxic), and biological (e.g., infectious, allergenic, intoxicating) agents and ergonomic factors that can cause human illness. The profession focuses on prevention of exposure or occurrence and mitigation of factors and agents that contribute to illness and injury to workers and other members of the community. Occupational health professionals also have the education and training applicable to preparedness for, and response to natural disaster and intentional terrorist events. NOCPH MPH students may take this certificate concurrently while earning their MPH, except for ENVH majors.

Student Learning Objectives

Student learning objectives for the Certificate in Occupational Health:

- Identify agents, factors, and stressors generated by and/or associated with defined sources, unit operations, and/or processes
- Describe qualitative and quantitative aspects of generation of agents, factors, and stressors
- Describe physiological and/or toxicological interactions of physical, chemical, biological, and ergonomic agents, factors, and/or stressors with the human body
- Recommend and evaluate engineering, administrative, and personal protective equipment controls and/or other interventions to reduce and eliminate hazards
- Demonstrate an understanding of applicable business and managerial practices
- Interpret and apply applicable occupational and environmental regulations

Certificate in Occupational Health students take the following courses.

Code	Title	Hours
PUBH 5020	Occupational Health	3
PUBH 5310	Chemical Agents	3
PUBH 5410	Hazard Control	3
PUBH 5620	Physical Agents	3
Select one of the following:		3
PUBH 5060	Occupational Safety	
PUBH 5160	Environmental Health	
PUBH 5260	Haz Mat and Emerg Response	
PUBH 6000	Quantitative and Qualitative Data Analysis in Public Health	
PUBH 6010	Public Health Epidemiology	
Total Hours		15

- PLO 1. Identify agents, factors, and stressors generated by and/or associated with defined sources, unit operations, and/or processes.