

**Assessment of Competencies for MPH in Environmental and Occupational Health – Industrial Hygiene**

Competency	Course number(s) and name(s)
1. Identify and assess agents, factors, and stressors generated by unit operations on workplace safety	EHS 502: Environmental Monitoring and Analysis EHS 522: Introduction to Occupational Safety EHS 653: Applied Exposure Assessment
2. Describe qualitative and quantitative aspects of generation of agents, factors, and stressors	EHS 655: Control of Occupational Exposures EHS 653: Applied Exposure Assessment
3. Understand and explain the physiological and/or toxicological interactions of physical, chemical, biological, and ergonomic agents, factors, and/or stressors with the human body	EHS 510: Physical Exposures EHS 553: Toxicology and Chemical Exposures
4. Assess chemical exposure assessments and dose-response based on applicable pathways and modes of entry	EHS 553: Toxicology and Chemical Exposures EHS 653: Applied Exposure Assessment
5. Recommend and evaluate engineering, administrative, and personal protective equipment controls and/or other interventions to reduce or eliminate hazards.	EHS 510: Physical Exposures EHS 653: Applied Exposure Assessment EHS 655: Control of Occupational Exposures