Environmental Health Program Competencies

MPH Competencies

GENERAL ENH MPH COMPETENCIES:
MPH-ENH 1: Describe critical factors of exposure assessment studies.
MPH-ENH 2: Explain how environmental factors impact human health.
MPH-ENH 3: Specify approaches for assessing environmental hazards.
MPH-ENH 4: Employ risk assessment approaches.
MPH-ENH 5: Describe regulatory programs and agencies that influence environmental and occupational health issues.
MPH-ENH 6: Explain how environmental justice impacts health.
MPH-ENH 7: Communicate scientific information in public and professional venues.

ENVIRONMENTAL TOXICOLOGY FOCUS:
All General ENH MPH Competencies, plus:
MPH-ENH 8: Demonstrate practical knowledge of environmental regulations.

OCCUPATIONAL HEALTH & SAFETY FOCUS:
All General ENH MPH Competencies, plus:
MPH-ENH 10: Discuss worker health, safety, and compensation laws and regulations.
MPH-ENH 11: Demonstrate knowledge of a managerial perspective of occupational disease hazards.
MPH-ENH 12: Demonstrate knowledge of controlling workplace risk factors for musculoskeletal disorders.
MPH-ENH 13: Apply fundamental concepts of occupational safety and health theory and practice.

INDUSTRIAL HYGIENE FOCUS:
All General ENH MPH Competencies, plus:
MPH-ENH 12: Demonstrate knowledge of controlling workplace risk factors for musculoskeletal disorders.
MPH-ENH 14: Apply experiences learned in practicums to industrial hygiene practice.
MPH-ENH 15: Apply fundamental concepts of industrial hygiene theory and practice.
MPH-ENH 16: Demonstrate proficiency in industrial and occupational exposures and controls.
MSPH Competencies

GENERAL ENH MSPH COMPETENCIES:
MSPH-ENH 1: Describe critical factors of exposure assessment studies.
MSPH-ENH 2: Explain how environmental factors impact human health.
MSPH-ENH 3: Specify approaches for assessing environmental hazards.
MSPH-ENH 4: Employ risk assessment approaches.
MSPH-ENH 5: Describe regulatory programs and agencies that influence environmental and occupational health issues.
MSPH-ENH 6: Explain how environmental justice impacts health.
MSPH-ENH 7: Communicate scientific information in public and professional venues.
MSPH-ENH 8: Conduct a literature review on an ENH topic.
MSPH-ENH 9: Write a research proposal appropriate for degree.
MSPH-ENH 10: Perform supervised research appropriate for degree.
MSPH-ENH 11: Write a manuscript for a peer-reviewed journal based on own research.

ENVIRONMENTAL TOXICOLOGY FOCUS:
All General ENH MSPH Competencies, plus:
MSPH-ENH 12: Demonstrate practical knowledge of environmental regulations.

INDUSTRIAL HYGIENE FOCUS:
All General ENH MSPH Competencies, plus:
MSPH-ENH 14: Recognize workplace risk factors for musculoskeletal disorders and understand general methods for controlling them.
MSPH-ENH 15: Apply experiences learned in practicums to industrial hygiene practice.
MSPH-ENH 16: Apply fundamental concepts of industrial hygiene theory and practice.
MSPH-ENH 17: Demonstrate proficiency in industrial and occupational exposures and controls.
MSPH-ENH 18: Design, conduct, and evaluate research studies.
PHD Competencies

GENERAL ENH PHD COMPETENCIES:
PHD-ENH 1: Comprehensively describe critical factors of exposure assessment studies.
PHD-ENH 2: Comprehensively explain how environmental factors impact human health.
PHD-ENH 3: Evaluate approaches for assessing environmental hazards.
PHD-ENH 4: Employ risk assessment approaches.
PHD-ENH 5: Communicate scientific information in public and professional venues.
PHD-ENH 6: Demonstrate ethics in research practice, human subjects and animals.
PHD-ENH 7: Conduct a literature review on an ENH topic.
PHD-ENH 8: Write a research proposal appropriate for degree.
PHD-ENH 9: Perform supervised research appropriate for degree.
PHD-ENH 10: Write a manuscript for a peer-reviewed journal based on own research.
PHD-ENH 11: Defend original research to dissertation committee.

ENVIRONMENTAL TOXICOLOGY FOCUS:
All General ENH PHD Competencies, plus:
PHD-ENH 12: Demonstrate practical knowledge of environmental regulations.
PHD-ENH 13: Comprehensively describe issues of environmental justice and impacts on health

INDUSTRIAL HYGIENE FOCUS:
All General ENH PHD Competencies, plus:
PHD-ENH 14: Apply fundamental concepts of industrial hygiene theory and practice.
PHD-ENH 15: Demonstrate proficiency in industrial and occupational exposures and controls