

<b>Environmental and Occupational Health major (ENVH) Competencies</b>
1. Apply fundamental and advances principles of statistics, epidemiology, environmental health science, and occupational health science to real-world public health issues and problems.
2. Objectively and subjectively assess chemical, biological, and physical agents classified as hazardous to human health.
3. Conduct fundamental sample collection of media contaminated with hazardous chemical, biological, and physical agents.
4. Critically analyze and interpret statistical, epidemiological, toxicological, and communicable disease information for prevention and remediation program development and implementation.
5. Collect and evaluate applicable information to perform a risk assessment.
6. Make administrative decisions based on recommended measures to reduce or eliminate environmental and occupational health hazards.
7. Develop and present administrative, scientific, technical, and/or regulatory reports.

<b>Health Promotion and Education major (HPRO) Competencies</b>
1. Develop an intervention and survey based on a health theory.
2. Demonstrate skills to plan and implement appropriate health programs.
3. Explain the contribution of logic models in program development, implementation, and evaluation.
4. Identify evidence-based practices to address a variety of public health problems.
5. Demonstrate skills to present effective health programs using a variety of techniques and appropriate teaching strategies.
6. Develop strategies to organize community members to advocate for change that impacts public health.
7. Differentiate the purposes of formative, process, and outcome evaluation.
8. Apply program evaluation knowledge and skill using established models.

<b>Generalist major (GENL) Competencies</b>
1. Assess risk factors and evidence for establishing morbidity and mortality problems.
2. Develop a health promotion program.
3. Apply advanced statistical techniques for continuous data
4. Select the appropriate methods to communicate and disseminate evaluation findings.
5. Apply the appropriate health and safety programs that are available or commonly used in the workplace

**Public Health Epidemiology major (PHEP) Competencies**

1. Differentiate the major epidemiologic research study designs based on their strengths and limitations.
2. Distinguish between the major sources of bias in epidemiologic research (confounding, selection bias, and measurement error) and select the appropriate method to evaluate and reduce bias.
3. Apply criteria to support whether or not an association is causal.
4. Formulate appropriate public health recommendations using evidence-based practice based on a synthesis of findings across studies found in the scientific literature.
5. Design an epidemiologic study to address a question of interest.
6. Identify and apply molecular/genetic principles and technologies in public health practice.
7. Write a clear description of the rationale, methods, results, and interpretation of an epidemiologic investigation.
8. Identify, analyze, and interpret data arising from local, national, and international research and surveillance databases.

**Public Health Policy and Law major (PHPL) Competencies**

1. Demonstrate how legal rules from cases, statutes, and regulations apply to specific factual situations.
2. Interpret when legal authority can intervene in public health based on powers and limitations.
3. Select appropriate kinds of legal interventions to address specific public health issues and evaluate the merits of the interventions.
4. Evaluate and weigh the relative merits of various local, state, and federal legal interventions for public health.
5. Interpret key policy concerns and ethical considerations shaping public health law and distinguish the roles of public health professionals and lawyers in exercising these responsibilities.
6. Influence health policy and program decision-making using scientific knowledge, analysis, communication, and consensus building.
7. Develop policies and plans that support individual and community health efforts.

