

PUBLIC & ONE HEALTH

Undergraduate Degree Program



Public and One Health Student Learning Outcomes

Health Communication and Collaboration

- Communicate public health information to the appropriate target audience through both oral and written forms (including presentations, technical and professional writing, etc.).
- Examine use of mass media and electronic technology and its role in the dissemination of public health information.
- Explore how diverse stakeholders collaborate to develop novel transdisciplinary solutions to address complex, real world health problems in diverse populations.

Health Policy, Law, Ethics and Economics

- Define the relationship between public health policy and legal, ethical, economic, and regulatory dimensions.
- Articulate the branches of government and different government agencies, and their roles and influence on policy in public health and One Health.

Healthcare and Public Health

- Characterize the U.S. Health System and define its key structures.
- Compare the U.S. health system to health systems in other countries.

Data in Public Health

- Describe the role of data in public and One Health, and its use in making evidence-based and informed decisions.
- Perform basic statistics to analyze data.
- Apply basic concepts, methods, and tools of data collection.

History and Function of Public Health and One Health

- Outline the history of public health.
- Explore public health philosophy and its core values and concepts.
- Describe the purpose and goals of public health through its societal and global functions.
- Illustrate the One Health approach, its transdisciplinary nature, and how utilizing this approach optimizes public health.

Determinants of Health

- Identify and examine the various determinants of health including biological, social, behavioral, economic, political, environmental, and One Health factors, and their influence on health, disease, and health disparities.
- Develop cultural competency to address health inequities and needs of underserved populations.

Population Health Challenges

- Identify population health challenges and needs.
- Apply foundational biological and life sciences to the concepts of health and disease.
- Design interventions and project implementation (including planning, assessment, and evaluation) to promote and protect health across the life course.
- Apply systems thinking to describe population health issues that affect humans, animals, and the environment



Human Health / Animal Health / Environmental Health

