

# PUBLIC HEALTH CERTIFICATE

## Overview

The COVID-19 epidemic has increased interest and focus on public health and the practices of public health professionals. The Public Health Certificate addresses different approaches to solving complex health concerns. Students in existing health-related programs (i.e., health sciences, health care management, health care policy, etc) will have the opportunity to explore these concepts in classroom education while experiencing the concepts in practice through field-based, experiential learning.

This certificate will provide a new lens for students to explore health and health-related concerns from a public/population level, affording them an opportunity to apply their knowledge and experiences (i.e. science, management, policy, psychology, etc).

This certificate program will allow students to explore the foundations of public health through both didactic and experiential/field based learning experiences. This program will provide additional perspective into solving the complex issues around human health, while providing students the opportunity to gain valuable experience toward a career path (with additional graduate training). This program will serve both current and prospective undergraduate students and prospective part-time students (adult learners, community members) seeking to increase their understanding and knowledge of public health practices.

## Certificate Offered

- Certificate in Public Health

## Contact

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### Program Website:

**Associated Department:** Department of Biology, Behavioral Neuroscience and Health Sciences (<https://www.rider.edu/academics/colleges-schools/college-liberal-arts-education-sciences/science-programs/biology-behavioral-neuroscience-health-sciences/>)

## Related programs:

- Behavioral Neuroscience (<http://catalog.rider.edu/undergraduate/colleges-schools/liberal-arts-sciences/majors-minors-certificates/behavioral-neuroscience/>)
- Biology (<http://catalog.rider.edu/undergraduate/colleges-schools/liberal-arts-sciences/majors-minors-certificates/biology/>)
- Chemistry (<http://catalog.rider.edu/undergraduate/colleges-schools/liberal-arts-sciences/majors-minors-certificates/chemistry/>)

- Health Sciences (<http://catalog.rider.edu/undergraduate/colleges-schools/liberal-arts-sciences/majors-minors-certificates/healthsciencesbs/>)
- Physics (<http://catalog.rider.edu/undergraduate/colleges-schools/liberal-arts-sciences/majors-minors-certificates/physics/>)

## Public Health Certificate Requirements

(12-13 credits)

Code	Title	Credits
<b>Required Courses:</b>		
HSC 150	Introduction to Public Health	3
HSC 250	Introduction to Epidemiology	3
HCP 303	Global Health and Human Rights	3
HSC 491	Internship in Health Sciences	1-4
or HTH 491	Health Management Internship	
Total Credits		10-13

## Courses and Descriptons

### HSC 150 Introduction to Public Health 3 Credits

Public Health is the science of protecting, promoting, and improving the health of people and the communities where they live, learn, work, and play. Students will gain an understanding of the history and functions of public health, strategies and methods used in public health research, and the determinants of health.

### HSC 250 Introduction to Epidemiology 3 Credits

Epidemiology is the study of distribution and determinants of defects, disease, and injury in human populations and the application of that study to assess the magnitude of health problems and the result of interventions designed to control them. This course is designed to introduce students to the basic principles, methods, and uses of epidemiology to better understand and characterize health and disease at a population level. The role of epidemiological evidence in planning and evaluation will be also be explored.

**Prerequisite(s):** MTH 102 or higher OR MSD 105 or higher OR POI.

### HCP 303 Global Health and Human Rights 3 Credits

This course introduces students to the basic concepts of human rights and their links to national/global health, as well as to issues where human rights and health collide. Students will become familiar with global efforts for developing practical and effective responses to global health challenges with a human rights framework.

### HSC 491 Internship in Health Sciences 1-4 Credits

A supervised work experience in an approved organization where qualified students gain real-world knowledge and utilize their academic training in a professional environment. Placement may be in private, public, non-profit, or governmental organizations. These can include educational or research institutions. The method of evaluation will be formalized prior to the approval of the internship by the sponsoring faculty member and should include keeping a journal of activities, a term paper or project report and an oral or poster presentation.

**Prerequisite(s):** 2.5 GPA required.

**HTH 491 Health Management Internship 3 Credits**

This course provides students minoring in health administration an opportunity to supplement and apply their classroom work in a supervised employment setting with participating firms in the health care sector. Requirements include: a log of daily activities, oral and written reports to the faculty supervisor and a term paper. In addition, the employer will also submit an evaluation of the student's performance.

**Prerequisite(s):** HTH 205; junior or senior standing; and permission of faculty supervisor.