EPIDEMIOLOGY CGS

All students must meet the Requirements for the Certificates of Graduate Study (CGS)

OVERVIEW

Epidemiology is often called the “language” of public health, and is the foundation science of public health programs. Epidemiology has many uses and applications. The Centers for Disease Control and Prevention describes epidemiology “the study of the origin and causes of diseases in a community. It is the scientific method of investigation problem-solving used by disease detectives: epidemiologists, laboratory scientists, statisticians, physicians and other health care providers, and public health professionals—to get to the root of health problems and outbreaks in a community.” (CDC. The Importance of Epidemiology 2011).

The University of Vermont’s Certificate of Graduate Study in Epidemiology is an online and concise, six-course (18 graduate credits) immersion into the field of epidemiology and related quantitative population health science. This certificate introduces students to the foundations and language of public health and health policy through the study of epidemiology. Completing this course of study will provide students with competency in epidemiology and quantitative public health science.

The program is designed for medical and graduate students; health practitioners; public health professionals and researchers; and others who wish to increase their knowledge in the vital field of epidemiology. It also prepares graduates for advanced study at the masters and doctoral level.

SPECIFIC REQUIREMENTS

REQUIREMENTS FOR ADMISSION TO GRADUATE STUDIES FOR THE CERTIFICATE OF GRADUATE STUDY

Students are required to have a bachelor’s degree from an accredited college or university, and have completed one college-level course in mathematics and one college-level course in science.

MINIMUM DEGREE REQUIREMENTS

The Certificate of Graduate Study in Epidemiology requires 18 credits including four courses (12 credits) from four core content areas and two elective courses (6 credits) from an approved list of electives.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 302</td>
<td>Epidemiology I</td>
<td>3</td>
</tr>
<tr>
<td>PH 307</td>
<td>Epidemiology 2</td>
<td>3</td>
</tr>
<tr>
<td>PH 303</td>
<td>Biostatistics I:App Rsch in PH</td>
<td>3</td>
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<tr>
<td>PH 309</td>
<td>Public Health Biostatistics II</td>
<td>3</td>
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Choose two elective courses from the list of approved electives, including but not limited to:

- PH 310: Public Health Law and Ethics
- PH 315: Public Health Surveillance
- PH 318: Improving Health in Population
- PH 322: One Health: Zoonoses
- PH 324: Public Health Informatics
- PH 325: Investigating Disease Outbreaks