# Epidemiology, PhD

## Academic Plans

### Sample Plan of Study

Sample plans represent one way to complete a program of study. Actual course selection and sequence will vary and should be discussed with an academic advisor. For additional sample plans, see MyUI.

### Epidemiology, PhD

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Academic Career</strong></td>
<td></td>
<td><strong>78 s.h.</strong> must be graduate level coursework; graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website.</td>
</tr>
<tr>
<td><strong>First Year</strong></td>
<td></td>
<td><strong>0</strong></td>
</tr>
<tr>
<td><strong>Any Semester</strong></td>
<td></td>
<td><strong>0</strong></td>
</tr>
<tr>
<td>Preceptorship Requirement</td>
<td></td>
<td><strong>3</strong></td>
</tr>
<tr>
<td>PhD Qualifying Exam</td>
<td></td>
<td><strong>3</strong></td>
</tr>
<tr>
<td>Department Seminar</td>
<td></td>
<td><strong>3</strong></td>
</tr>
<tr>
<td><strong>Fall</strong></td>
<td></td>
<td><strong>11-12</strong></td>
</tr>
<tr>
<td>BIOS:4120</td>
<td>Introduction to Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>CPH:6100</td>
<td>Essentials of Public Health</td>
<td>2</td>
</tr>
<tr>
<td>CPH:7270</td>
<td>Principles of Scholarly Integrity: Public Health</td>
<td>2</td>
</tr>
<tr>
<td>EPID:4400</td>
<td>Epidemiology I: Principles</td>
<td>3</td>
</tr>
<tr>
<td>EPID:5600</td>
<td>Introduction to Epidemiology Data Management and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>EPID:5925</td>
<td>Epidemiology Journal Club: Evaluating the Literature</td>
<td>0 - 1</td>
</tr>
<tr>
<td><strong>Spring</strong></td>
<td></td>
<td><strong>11-15</strong></td>
</tr>
<tr>
<td>BIOS:5120</td>
<td>Regression Modeling and ANOVA in the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>CPH:7270</td>
<td>Principles of Scholarly Integrity: Public Health</td>
<td>1</td>
</tr>
<tr>
<td>EPID:5610</td>
<td>Intermediate Epidemiology Data Analysis with SAS and R</td>
<td>3</td>
</tr>
<tr>
<td>EPID:5925</td>
<td>Epidemiology Journal Club: Evaluating the Literature</td>
<td>0 - 1</td>
</tr>
<tr>
<td>EPID:6400</td>
<td>Epidemiology II: Advanced Methods</td>
<td>4</td>
</tr>
<tr>
<td><strong>Summer</strong></td>
<td></td>
<td><strong>11-12</strong></td>
</tr>
<tr>
<td>EPID:6050</td>
<td>Research in Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td><strong>Second Year</strong></td>
<td></td>
<td><strong>0</strong></td>
</tr>
<tr>
<td><strong>Any Semester</strong></td>
<td></td>
<td><strong>0</strong></td>
</tr>
<tr>
<td>Department Seminar</td>
<td></td>
<td><strong>3</strong></td>
</tr>
</tbody>
</table>

### Fall

- EPID:5925 Epidemiology Journal Club: Evaluating the Literature | 0 - 1 |
- EPID:6100 Writing a Grant Proposal | 3 |
- EPID:7400 Epidemiology III: Theories | 3 |
- HHP:3500 or MPB:5153 Human Physiology or Graduate Physiology | 3 - 4 |
- PATH:8133 or PATH:5270 Introduction to Human Pathology for Graduate Students or Pathogenesis of Major Human Diseases | 3 |

### Hours

**Fall: 12-14**

- BIOS:6210 Applied Survival Analysis | 3 |
- EPID:5925 Epidemiology Journal Club: Evaluating the Literature | 0 - 1 |
- EPID:6655 Causal Inference | 3 |
- Elective | 3 - 4 |

**Spring: 9-11**

- Elective | 3 - 4 |
- Elective | 2 - 3 |

### Total Hours

**115**

### Third Year

**Any Semester**

- Exam: Doctoral Comprehensive Exam
- Prospectus Defense
- Department Seminar | 0 |

### Fall

- BIOS:6310 Introductory Longitudinal Data Analysis | 3 |
- EPID:5925 Epidemiology Journal Club: Evaluating the Literature | 0 - 1 |
- Elective | 3 - 4 |
- Elective | 3 - 4 |
- Elective | 2 - 3 |

### Hours

**Fall: 11-15**

- Elective | 3 - 4 |
- Elective | 3 - 4 |
- Elective | 2 - 3 |

### Fourth Year

**Any Semester**

- Department Seminar | 0 |

### Fall

- EPID:7000 Thesis/Dissertation | 9 |

### Hours

**Fall: 9**

### Spring

- EPID:7000 Thesis/Dissertation | 1 - 9 |
- Exam: Doctoral Final Exam | 1 - 9 |

### Hours

**Spring: 9**

### Total Hours

**78-100**

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a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.

b Students who did not complete the Epidemiology MS program at UI are required to take EPID:5950 Preceptorship
or receive program approval to substitute a previously completed equivalent course; must be completed by end of the first year.

c Taken during spring semester of the first year (or after completion of epidemiology core coursework); same as the MS final examination with the addition of an essay exam.

d Students must attend the Epidemiology department seminar and are expected to achieve at least 80% attendance during each semester of enrollment; PhD students are required to make one presentation at Department Seminar preferably during the semester of the dissertation defense.

e Taken in the fall and spring of first year for 0 s.h. and 1 s.h., respectively.

f PhD students are required to achieve at least 80% attendance for five semesters; prior MS attendance does not count. If taken for 1 s.h., the credit will not be applied toward the minimum semesters hours required for the PhD in Epidemiology.

g Students complete EPID:6050 to conduct a thorough literature review to frame a targeted research question/specific aim as part of the approval process to register for EPID:6100.

h Students with a strong biosciences background may substitute PATH:5270 for PATH:8133 if it fits better with their training plan. PATH:5270 is an advanced course that requires a strong foundation in molecular biology and related disciplines, but may be suitable for some students.

i At least 3 s.h. of electives must be from the Epidemiology department (prefix EPID) and outside of Research Interest Area; see General Catalog and website for coursework and specifics. Work with faculty advisor to select appropriate graduate elective coursework in Research Interest Area.

j Students must complete either BIOS:6210 (typically during second year fall semester) or BIOS:6310 (typically during third year fall semester).

k Taken after the majority of coursework for the PhD degree has been completed.

l Dissertation defense.