

# Epidemiology, M.S.

## 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, M.S.

| Course   | Title | Hours    |
|--|-------|----------|
| <b>Academic Career</b>   |       |          |
| <b>Any Semester</b>  |       |          |
| 39 s.h. of graduate level coursework must be completed; graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. <sup>a</sup> |       |          |
| A program GPA of at least 3.00 is required.  |       |          |
| <b>Hours</b>   |       | <b>0</b> |

#### First Year

##### Any Semester

Students must attend the Epidemiology department seminar; students are expected to achieve at least 80% attendance at the Department of Epidemiology Seminar during each semester of enrollment.

| <b>Hours</b> |   | <b>0</b>     |
|--------------|---|--------------|
| <b>Fall</b>  |   |              |
| BIOS:4120    | Introduction to Biostatistics                                     | 3            |
| EPID:4400    | Epidemiology I: Principles  | 3            |
| EPID:5600    | Introduction to Epidemiology Data Management and Analysis         | 3            |
| CPH:6100     | Essentials of Public Health                                       | 2            |
| CPH:7270     | Principles of Scholarly Integrity: Public Health <sup>b</sup>     | 0            |
| EPID:5925    | Epidemiology Journal Club: Evaluating the Literature <sup>c</sup> | 0 - 1        |
| <b>Hours</b> |   | <b>11-12</b> |

#### Spring

|              |   |              |
|--------------|---|--------------|
| EPID:5241    | Statistical Methods in Epidemiology                               | 4            |
| EPID:5610    | Intermediate Epidemiology Data Analysis with SAS and R            | 3            |
| EPID:6400    | Epidemiology II: Advanced Methods                                 | 4            |
| CPH:7270     | Principles of Scholarly Integrity: Public Health <sup>b</sup>     | 1            |
| EPID:5925    | Epidemiology Journal Club: Evaluating the Literature <sup>c</sup> | 0 - 1        |
| <b>Hours</b> |   | <b>12-13</b> |

#### Second Year

##### Any Semester

Every student is required to present at least 1 scientific poster at the department level, and is encouraged to present at the international, national, regional, state, or university level at some point before graduation. A student's advisor or thesis/preceptorship mentor can help determine the suitability and timeline for the poster presentation.

Students must attend the Epidemiology department seminar; students are expected to achieve at least 80% attendance at the Department of Epidemiology Seminar during each semester of enrollment.

| <b>Hours</b>                 |   | <b>0</b>     |
|------------------------------|---|--------------|
| <b>Fall</b>                  |   |              |
| EPID:6600<br>or EPID:6550    | Epidemiology of Chronic Diseases<br>or Epidemiology of Infectious Diseases                                    | 3            |
| Elective course <sup>d</sup> |   | 2            |
| PATH:5270<br>or PATH:8133    | Pathogenesis of Major Human Diseases <sup>e</sup><br>or Introduction to Human Pathology for Graduate Students | 3 - 4        |
| EPID:5925                    | Epidemiology Journal Club: Evaluating the Literature <sup>c</sup>   | 0 - 1        |
| <b>Hours</b>                 |   | <b>8-10</b>  |
| <b>Spring</b>                |   |              |
| Final Exam <sup>f</sup>      |   |              |
| Elective course <sup>d</sup> |   | 3            |
| Elective course <sup>d</sup> |   | 2            |
| EPID:5950                    | Preceptorship in Epidemiology   | 3            |
| <b>Hours</b>                 |   | <b>8</b>     |
| <b>Total Hours</b>           |   | <b>39-43</b> |

- 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.
- Taken in the fall and spring of first year for 0 s.h. and 1 s.h., respectively.
- If taken for 1 s.h., the credit will not be applied toward the minimum semester hours required for the MS in Epidemiology.
- A minimum of 5 s.h. of electives must be selected from Department of Epidemiology courses (prefix EPID); see General Catalog and website for coursework and specifics. Work with faculty advisor to select at least 2 s.h. of additional graduate coursework pertinent to educational goals and background.
- Students with a strong biosciences background may choose to 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.
- Written in-class exam that measures learning of epidemiological concepts and knowledge of epidemiological thoughts as presented in required courses; offered twice per year.