

# Epidemiology and Biostatistics

## Admission Requirements

- **Prior Degree** Bachelor's degree in any field.
- **Grade Point Average** Admitted students typically have at least a combined undergraduate/graduate grade point average of 3.00/4.00. However, all applicants are given a holistic evaluation of their application. Applicants with less than a 3.00 are encouraged to apply if they believe that their application is strong in other areas.
- **Tests** GRE is optional, highly recommended.
- **Letters of Recommendation** Three required, uploaded via the SOPHAS application.
- **Resume or CV** Required, uploaded via the SOPHAS application.
- **Personal Statement** Applicants will upload a 500-800 word statement focused on their interests/experiences in public health and the program they are applying to specifically, goals with the degree, and why they would be successful in the program. For students applying to research focused programs, the personal statement should also address potential research interests.
- **Minimum English Competency Test Score for International Applicants**
  - **TOEFL** 80, with subscores of Reading 19, Listening 17, Speaking 20, and Writing 21 (iBT Test); 60, with subscores of Reading 19, Listening 17, Writing 21 (revised Paper-Delivered Test), **OR**,
  - **IELTS** 6.5, with subscores of 6.0 for all four subscores, **OR**,
  - **PTE-Academic** 54, with subscores of Reading 51, Listening 47, Speaking 53, and Writing 56.

## Degree Requirements

### Minimum Semester Hours Required

- MPH, Concentration in Biostatistics: 46
- MPH, Concentration in Epidemiology: Comprehensive Program, 53; Professional Enhancement Program, 42

**Course Work** Students in the MPH program at UIC School of Public Health are required to complete 18-20 hours of school-wide core curriculum, two non-credit trainings, and concentration-specific requirements.

## School-Wide Core Requirements

| Code                    | Title                                                                                                                    | Hours |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------|-------|
| <b>Required Courses</b> |                                                                                                                          |       |
| IPHS 401                | Determinants of Population Health                                                                                        |       |
| IPHS 404 & IPHS 405     | Analytic and Research Methods in Population Health Part I and Analytic and Research Methods in Population Health Part II |       |
| or IPHS 402             | Analytic and Research Methods in Public Health                                                                           |       |
| IPHS 403                | Public Health Systems, Management and Community Health Methods                                                           |       |
| IPHS 420                | Interprofessional Education                                                                                              |       |
| IPHS 650                | Applied Practice Experience                                                                                              |       |
| IPHS 698                | Integrative Learning Experience                                                                                          |       |

## Non-Credit Training Requirements

| Code                     | Title                                 | Hours |
|--------------------------|---------------------------------------|-------|
| <b>Required Training</b> |                                       |       |
|                          | Title IX Training - Sexual Harassment |       |
|                          | SPH Academic Integrity Tutorial       |       |

## Concentration Requirements

In addition to School-Wide Core requirements and Non-Credit Training requirements, students complete the the following divisional core and concentration requirements for their chosen concentration.

## MPH with a Concentration in Biostatistics

| Code                                           | Title                                                  | Hours |
|------------------------------------------------|--------------------------------------------------------|-------|
| <b>Divisional Core Requirements (23 Hours)</b> |                                                        |       |
| BSTT 401                                       | Biostatistics II                                       |       |
| BSTT 402                                       | Health Policy for Epidemiologists and Biostatisticians |       |
| BSTT 413                                       | Introduction to Data Analysis w/ R                     |       |
| BSTT 505                                       | Logistic Regression and Survival Analysis              |       |
| BSTT 506                                       | Design of Clinical Trials                              |       |
| BSTT 537                                       | Longitudinal Data Analysis                             |       |
| EPID 404                                       | Intermediate Epidemiologic Methods                     |       |
| EPID 406                                       | Epidemiologic Computing                                |       |

### Electives

Students may select any graduate-level course to complete the minimum required 46 semester hours. Students are encouraged to choose additional methodology courses in areas such as survey planning and sampling, big data and health analytics, or geographical information systems (GIS).

## Other Requirements

- Students in Biostatistics are allowed only one grade of C in required courses. A student who receives two Cs in required courses will not be allowed to graduate from the program. A student may retake a course one time and attempt to replace the C with a higher grade.
- Students who plan to conduct research involving human subjects must undergo training and obtain approval of their protocol by the Institutional Review Board (IRB) before beginning the research.

## MPH with a Concentration in Epidemiology

| Code                                                                           | Title                                                  | Hours |
|--------------------------------------------------------------------------------|--------------------------------------------------------|-------|
| <b>Divisional Core Requirements (19 Hours)</b>                                 |                                                        |       |
| EPID 402                                                                       | Health Policy for Epidemiologists and Biostatisticians |       |
| EPID 404                                                                       | Intermediate Epidemiologic Methods                     |       |
| EPID 406                                                                       | Epidemiologic Computing                                |       |
| EPID 410                                                                       | Epidemiology of Infectious Diseases                    |       |
| EPID 411                                                                       | Epidemiology of Chronic Diseases                       |       |
| EPID 591                                                                       | Current Epidemiologic Literature                       |       |
| BSTT 401                                                                       | Biostatistics II                                       |       |
| <b>Electives</b>                                                               |                                                        |       |
| Students in the Comprehensive Program complete 16 semester hours of electives. |                                                        |       |

Students in the Professional Enhancement Program must complete the number of electives necessary to bring total program hours to a minimum of 42 semester hours.

Students may use their electives to pursue a course of study in a divisional concentration; or may customize their program of study by selecting from a broad range of course work to meet their career goals and interests. Chosen electives must create a coherent program of study which adds depth to the student's training in Epidemiology and furthers the student's attainment of the program competencies.