

EPIDEMIOLOGY

The MPH in Epidemiology Professional Enhancement Program (PEP) requires a minimum of 42 semester hours (SH). The MPH in Epidemiology Comprehensive program requires a minimum of 53 semester hours (SH). Both programs are designed for completion in 2 years when enrolled full-time. Both of these programs include the following course requirements:

I. School-Wide Core Requirements

During this transition year online and part-time MPH students will take the **Standard Core**; full-time onsite MPH students will take the **Integrated Core**.

Standard Core (23-25 SH)

Course	Title	Credits
BSTT 400	Biostatistics I	4 SH
CHSC 400	Public Health Concepts and Practice	3 SH
CHSC 401	Behavioral Sciences in Public Health	3 SH
EOHS 400	Principles of Environmental Health Sciences	3 SH
EPID 403	Introduction to Epidemiology: Principles and Methods	3 SH
HPA 400	Principles of Management in Public Health	3 SH
IPHS 650	Field Experience in Public Health	3-5 SH
IPHS 698	MPH Capstone Experience	1 SH
Required Non-Credit Training: http://tigger.uic.edu/depts/ovcr/research/protocolreview/irb/education/index.shtml		
HIPAA Research Training		Non-credit
Investigator Training 101		Non-credit

Integrated Core (18-20 SH)*

Course	Title	Credits
IPHS 494	Determinants of Population Health	4 SH
IPHS 494	PH Analytic and Research Methods	6 SH
IPHS 494	PH Systems, Policy and Management	4 SH
IPHS 650	Field Experience in Public Health	3-5 SH
IPHS 698	MPH Capstone Experience	1 SH
Required Non-Credit Training: http://tigger.uic.edu/depts/ovcr/research/protocolreview/irb/education/index.shtml		
HIPAA Research Training		Non-credit
Investigator Training 101		Non-credit

*Students in the Integrated Core must complete five SH of additional electives.

II. Divisional Core Requirements (18 SH)

Course	Title	Credits
EPID 404	Intermediate Epidemiologic Methods	4 SH
EPID 406	Epidemiologic Computing	3 SH
EPID 410	Epidemiology of Infectious Diseases	2 SH

EPID 411	Epidemiology of Chronic Diseases	3 SH
EPID 591	Current Epidemiologic Literature	2 SH
BSTT 401	Biostatistics II	4 SH

III. Electives (up to 12 SH for students taking the Standard Core; up to 17 SH for students taking the Integrated Core)

PEP Program: Students must complete the number of electives necessary to bring total program hours to a minimum of 42 semester credit hours.

Comprehensive Program: Students may use their electives to pursue a course of study in the following 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.

Optional Concentration- Maternal and Child Health Epidemiology (minimum additional 29-30 SH)

Students electing the Maternal and Child Health Epidemiology concentration must complete the School-Wide Course Requirements and the courses below in lieu of the Divisional Core Requirements to reach a minimum of 51-54 total program hours.

Course	Title	Credits
BSTT 401	Biostatistics II	4 SH
CHSC 510	Determinants and Variation in Population Health	3 SH
CHSC 511	MCH Delivery Systems: Services, Programs, and Policies	4 SH
EPID 404	Intermediate Epidemiologic Methods	4 SH
EPID 406	Epidemiologic Computing	3 SH
Select two of the following courses:		
CHSC 431	Community Assessment in Public Health	3 SH
CHSC 433	Public Health Planning and Evaluation	3 SH
CHSC 434	Qualitative Methods	3 SH
CHSC 446	Research Methods in Community Health	3 SH
CHSC 543	MCH Policy and Advocacy	3 SH
Select one of the following courses:		
EPID 409	The Epidemiology of HIV/AIDS	2 SH
EPID 410	Epidemiology of Infectious Diseases	2 SH
EPID 411	Epidemiology of Chronic Diseases	3 SH
Select one of the following courses:		
EPID 518	Epidemiology of Pediatric Diseases	3 SH
CHSC 548	Readings in Reproductive and Perinatal Epidemiology	3 SH

Electives MCH Epi - Students may select elective courses in conjunction with their advisor as necessary to reach the minimum of 51-54 total program hours.

For more information about the Maternal and Child Health Epidemiology Program please visit the program's website at: <http://www.uic.edu/sph/mch/>

EPID Field Experience Requirements

All students must undertake a field experience for 3-5 semester hours, based on the field experience responsibilities (64 clock hours equals one semester hour). The field experience must be practical, applied and public health in orientation, and should preferably be with an organized public, not for profit, or private agency. The field experience need not be an unpaid internship. Working with his/her advisor, and with the latter's signed approval the student must submit a detailed (but brief) field experience proposal to the field site preceptor. Students must obtain signed agreements with the agency and the on-site supervisor. Final evaluations are required of both the supervisor and the student, and must be signed by the student's academic advisor. Final Student and Supervisor Evaluation Forms must be given to the advisor for review and signature in order to obtain a grade for IPHS 650.

NOTE: MPH students in the MCH Epidemiology program are required to conduct their practicum at a state or local public health agency.

EPID Capstone Requirements

Oral Presentation - Students must complete a formal oral presentation to Division students and faculty on a topic as described below. The presentation will conform to the format and time length of a paper delivered at the annual meetings of the American Public Health Association (APHA), approximately 12-15 minutes.

The topic is to be approved by the student's advisor, and a final abstract of the presentation is to be submitted at least one week prior to the presentation. Where appropriate, students are encouraged to present findings based on their field experience (IPHS 650). However, it may take an alternative form, such as a comprehensive review of the literature on a public health issue from an epidemiologic perspective; a report on another research project in which the student has taken part; a proposal for a study to address an important public health issue; or another format acceptable to the student and his/her academic advisor or faculty mentor. The topic should not be the same as one already addressed in a paper submitted for a previous course.

The presentation should consist of the following:

1. Introduction to the problem or issue
2. Explanation of the methods used to research the topic
3. Summary of the results or findings
4. Conclusions as to the public health implications of the results
5. Recommendations for practical applications or further research

NOTE: Students who are doing research involving human subjects will need to undergo training and have their protocols approved by the Institutional Review Board (IRB).

Capstone Evaluation/Grading Procedures:

Three faculty members will evaluate the quality of the presentation. Each faculty member will assess the experience based on three criteria: content (60%), organization (20%) and oral presentation (20%). If the presentation is evaluated as unsatisfactory by at least two of the three faculty members, the student will be required to submit a written paper, including citations, covering the same material as the oral presentation. The written paper will be evaluated by the three committee members on the content and organization of the material. In some cases, the capstone review committee may simply require written clarification or additional analyses pertinent to identified deficiencies in the oral presentation.

Performance Standards

In addition to school-wide standards, no grade below “B” is acceptable in any Epidemiology or Biostatistics required course. If a grade below “B” is achieved in such a course, it may be repeated once. Failure to maintain this standard will be grounds for dismissal from the Epidemiology Program.