



## Master of Public Health Program Curriculum

The MPH program is designed to prepare the student for a professional career in public health through a transformative education, research, and service. The development of our programs has been guided by the Council on Education in Public Health and the Association of Schools of Public Health Core Competency Development Project.

The MPH Program offers three distinct tracks of coursework in Public Health: Epidemiology, Public Health Policy and Management, and Global Health Equity.

The program addresses five areas of core knowledge:

- **Environmental Health Sciences**
- **Epidemiology**
- **Biostatistics**
- **Health Services Administration**
- **Social and Behavioral Sciences**

### MPH COURSEWORK REQUIREMENTS

The Master of Public Health degree is a 42 credit hour program.

The curriculum consists of 6 core courses (18 credit hours), 5-6 program specific courses (15 credit hours), and 2 elective courses (6 credit hours). Students must also complete a practicum (1 credit) and capstone project (2 credits – divided amongst 2 semesters).

### Other MPH requirements

Foundations in the Responsible Conduct of Research: CITI Training: Students must complete CITI training prior to enrolling in the practicum and capstone. Completion of CITI training demonstrates formal training in the ethics of research and is recognized by most universities and research centers across the U.S. CITI training at Loyola will be transferable to other universities and businesses. There is no fee for completion of CITI training and it may be done completely online at your own pace.

Self-Evaluation in Program-wide and Track-specific competencies: Students will be asked to provide a self-evaluation of competencies in the program-wide and track-specific public health competencies in the first term of enrollment, the last term of enrollment, and at one year following completion of the program.

## **EPIDEMIOLOGY TRACK DESCRIPTION**

### **Curriculum:**

- The Loyola University Chicago MPH degree in Epidemiology provides students with the required skill-set to launch a career in clinical and public health research.
- The MPH in Epidemiology track is a blended track with both traditional evening coursework and online coursework. These evening courses provide interactions with a variety of traditional and non-traditional students who strongly desire to move clinical and public health practice forward and improve health outcomes for all individuals. The evening courses are then combined with online courses that enhance flexibility for the busy student.
- The Epidemiology track is multi-disciplinary with coursework taught from a variety of disciplines within the framework of public health.
- The curriculum consists of 6 core courses, 6 track specific courses, 2 elective courses, practicum and the capstone experience. The courses in Epidemiology (6 credits), Biostatistics (6 credits), Grant Writing (3 credits), and a selective requirement such as Epidemiology of Obesity (3 credits) or Meta-Analysis (3 credits). Courses are taught in the evening and are held once a week at the Maywood campus or synchronously online.
- The Capstone for the Epidemiology track is a mentored project. Students will work one-on-one with a faculty researcher to obtain training in research methods for their capstone project.

### **Epidemiology track core courses:**

- Determinants of Population Health MPBH 400 (3 credits) online; *Fall, Summer semesters*
- Public Health Practice and Management MPBH 402 (3 credits) online; *Fall, Spring semesters*
- Introduction to Epidemiology MPBH 403 (3 cr.): session 1 – online **or** session 2- blended, *Fall semester; online, Summer*
- Public Health Policy: Concepts and Practice MPBH 407 (3 credits) online; *Fall, Summer semesters*
- Biostatistics I MPBH 409 (3 credits) classroom; *Fall semester*
- Public Health in Action MPBH 499 (3 credits) online; *Fall, Spring semesters*

### **Epidemiology track-specific courses:**

- Introduction to Statistical Computing for Public Health Research MPBH 412 (2 Credits) blended; *Fall semester*
- Biostatistics II MPBH 421 (3 credits) classroom; *Spring semester*  
*Prerequisites: Completed Biostatistics I; Completed Intro to Statistical Computing*
- Intermediate Epidemiology MPBH 423 (3 credits) classroom; *Spring semester*  
*Prerequisites: Completed Introduction to Epidemiology; Completed Biostatistics I; Completed Intro to Statistical Computing; Completed or concurrent Biostatistics II*
- Grant Writing MPBH 431 (3 credits) classroom; *Fall, Spring semesters*
- Introduction to Correlated Data Analysis MPBH 427 (1 Credit); *Spring semester*

- **At least one of the following Research Methods selective courses:**

- Epidemiology of Obesity MPBH 413 (3 credits) online; *Fall semester*  
*Prerequisites: Introduction to Epidemiology & Biostatistics I*
- Introduction to Global Health MPBH 414 (3 credits) blended; *Fall semester*
- Clinical Trials MPBH 433 (3 credits) classroom; every other year, *Fall or Spring semester*
- Systematic Review and Meta-Analysis MPBH 434 (3 credits) classroom; every other year, *Fall or Spring*
- Infectious Disease Epidemiology MPBH 426 (3 credits) online; Summer semester
- Applied Survival Analysis MPBH 495\* (3 credits)

*\*MPBH 495 is a Special Topics course category- session and mode of instruction differ each semester.*

Students must complete 6 **elective credits** apart from the required core and track specific courses.

Students may take multiple Research Methods selective courses if they choose. Students may elect to enroll in courses among, or within, a variety of topical areas, including (but not limited to) law, policy, social determinants of health, and research including:

- Epidemiology of Obesity MPBH 413 (3 credits) online; *Fall semester*
- Introduction to Global Health MPBH 414 (3 credits) blended; *Fall semester*
- Health Services Research Methods MPBH 416 (3 credits) online; *Fall semester*
- Global Maternal and Child Health MPBH 417 (3 credits) blended; *Spring semester*
- Public Health Law: Theories and Cases MPBH 420 (3 credits) online; *Spring semester*
- Health Economics and Healthcare Financing MPBH 424 (3 credits) online; *Fall semester*
- Health Impact Assessment MPBH 432 (3 credits) online; *Spring semester*
- Infectious Disease Epidemiology MPBH 426 (3 credits) online; *Summer semester*
- Population Health Planning and Management MPBH 422 (3 credits) online; *Fall semester*
- Introduction to Geographic Information Systems ENVS 480 (3 credits) classroom; *Fall, Spring semesters*
- Principles Health Care Ethics BEHL 406 (3 credits) online; *Spring semester*
- Public Health Ethics BEHL 411 (3 credits) online; *Fall semester*
- Special Topic Courses MPBH 495\* (e.g., Health Behavior and Health Education; Health Justice Lab: Race & Health Equity)

*\*MPBH 495 is a Special Topics course category- session and mode of instruction differ each semester.*

**Graduation requirement:**

- Practicum MPBH 410 (1 credit) *Fall, Spring, Summer semesters*  
All MPH students are required to complete 1 credit of a practicum (internship) to gain a better understanding of a public health practice, directly utilize their own MPH training, and network with public health professionals in the field. Students must complete a minimum of 210 hours of internship or volunteer work for public health-related program, company, or agency.
- Capstone MPBH 411-1 (2 credits – must be divided amongst 2 semesters) *Fall, Spring, Summer*  
The goal of the MPH Capstone project is to provide students the opportunity to demonstrate knowledge and skills acquired in the academic coursework and practicum experience through a written report and oral presentation. Students will meet with their mentor on a (bi-) weekly basis to ensure that the nature and scope of their capstone project will be adequate to meet public health core and track-specific competencies.

## **PUBLIC HEALTH POLICY AND MANAGEMENT TRACK DESCRIPTION**

### **Curriculum:**

- The Loyola University Chicago MPH degree in Public Health Policy & Management provides students with the required skill-set to launch a career in the area of health services administration.
- The MPH in Public Health Policy and Management track provides students with the theoretical, methodological, and practical experience relevant to address the organization, processes, and outcomes of delivering health-related services to individuals and populations with an emphasis on racial and economic health disparities and bioethics.
- The courses in this track can be completed fully online. To provide enhanced flexibility to students, all synchronous courses are offered in the evening.
- The curriculum consists of 6 core courses (18 credit hours), 5 program specific courses (15 credit hours), and 6 elective credits. Students must also complete a practicum (1 credit) and capstone project (2 credits).
- The Capstone for the Public Health Policy and Management track is a mentored project. Students will work one-on-one with a faculty to on developing and executing their capstone project.

### **Core courses for Public Health Policy and Management Track:**

- Determinants of Population Health MPBH 400 (3 credits) online; *Fall, Summer semesters*
- Public Health Practice and Management MPBH 402 (3 credits) online; *Fall, Spring semesters*
- Introduction to Epidemiology MPBH 403 (3 cr.): session 1 – online **or** session 2- blended, *Fall semester; online, Summer*
- Public Health Policy: Concepts and Practice MPBH 407 (3 credits) online; *Fall, Summer semesters*
- Biostatistics I MPBH 409 (3 credits) classroom; *Fall semester*
- Public Health in Action MPBH 499 (3 credits) online; *Fall, Spring semesters*

### **Public Health Policy and Management track-specific courses:**

- Health Services Research Methods MPBH 416 (3 credits) online; *Fall semester*  
*Prerequisites: Completed or concurrent Introductory Biostatistics course*
- Policy Analysis MPBH 425 (3 credits) online; *Spring semester*  
*Prerequisites: Completed Public Health Policy: Concepts and Practice MPBH 407*
- **At least one of the following selective courses:**
  - Justice and Healthcare BEHL 402 (3 credits) online; *Fall semester*
  - Biomedical Ethics & the Law BEHL 404 (3 credits) online; *Fall, Spring semesters*
  - Social Determinants of Health & Bioethics BEHL 407 (3 credits) online; *Spring semester*
  - Public Health Ethics BEHL 411 (3 credits) online; *Fall semester*
  - Organizational Ethics I BEHL 412 (3 credits) blended, *Summer semester*
  - Advancing Health Equity Practice BEHL 418 (3 credits) online; *Summer semester*
  - Global Bioethics BEHL 491 (3 credits) online; *Fall, Summer semesters*

**Policy focus:**

- Public Health Law: Theories and Cases MPBH 420 (3 credits) online; *Spring semester*
- Health Economics and Healthcare Financing MPBH 424 (3 credits) online; *Fall semester*

**Management focus:**

- Population Health Planning and Management MPBH 422 (3 credits) online; *Fall semester* **or**  
Program Planning and Marketing in Health Care CMAN 448 (3 credits) online; *Spring semester*
- Fiscal Management in Health Care Organizations CMAN 533 (3 credits) online; *Spring semester*

Students must complete **6 elective credits** apart from the required core and track specific courses.

Students may elect to enroll in courses among, or within, a variety of topical areas, including (but not limited to) law, policy, social determinants of health, and research including:

- Introduction to Statistical Computing for Public Health Research MPBH 412 (2 Credits) blended; *Fall semester*
  - Epidemiology of Obesity MPBH 413 online; *Fall semester*
  - Introduction to Global Health MPBH 414 (3 credits) blended; *Fall semester*
  - Global Maternal and Child Health MPBH 417\* (3 credits) blended; *Spring semester*
  - Biostatistics II MPBH 421 (3 credits) classroom; *Spring semester*
  - Intermediate Epidemiology MPBH 423 (3 credits) classroom; *Spring semester*
  - Infectious Disease Epi MPBH 426 (3 credits) online; *Summer semester*
  - Grant writing MPBH 431 (3 credits) classroom; *Fall, Spring semesters*
  - Health Impact Assessment MPBH 432 (3 credits) online; *Spring semester*
  - Special Topic Courses MPBH 495\* (e.g., Health Behavior and Health Education; Health Justice Lab: Race & Health Equity, Special Topics in Global Health)
  - Principles Health Care Ethics BEHL 406 (3 credits) online; *Spring semester*
  - Introduction to Geographic Information Systems ENVS 480 (3 credits) classroom; *Fall, Spring semesters*
  - Selected Bioethics Courses BEHL (3 credit) online; *Fall, Spring, Summer semesters*
  - Selected Healthcare Law Courses LAW (2-3 credits) online; *Fall, Spring, Summer semesters*
  - Selected Social Work Courses SOWK (3 credits) online or classroom; *Fall, Spring, Summer semesters*
- \*MPBH 495 is a Special Topics course category- session and mode of instruction differ each semester.*

**Graduation requirement:**

- Practicum MPBH 410 (1 credit) *Fall, Spring, Summer semesters*  
All MPH students are required to complete 1 credit of a practicum (internship) to gain a better understanding of a public health practice, directly utilize their own MPH training, and network with public health professionals in the field. Students must complete a minimum of 210 hours of internship or volunteer work for public health-related program, company, or agency.
- Capstone MPBH 411-1 (2 credits – must be divided amongst 2 semesters) *Fall, Spring, Summer*  
The goal of the MPH Capstone project is to provide students the opportunity to demonstrate knowledge and skills acquired in the academic coursework and practicum experience through a written report and oral presentation. Students will meet with their mentor on a (bi-) weekly basis to ensure that the nature and scope of their capstone project will be adequate to meet public health core and track-specific competencies.

## **GLOBAL HEALTH EQUITY TRACK DESCRIPTION**

### **Curriculum:**

- The MPH in Global Health Equity track incorporates curriculum that studies the health of populations globally, transcending borders, with the ultimate goal of identifying and eliminating structures and practices of inequity and injustice in order to evaluate and further health equity for individuals and for populations.
- All core courses and track-specific classes are online; however, local students may opt to take selected core courses on-campus. GHE track-specific required courses are typically blended, meaning about 50% of the course is online and the remainder in the classroom. Students engaged in the GHE track have the option of participating in Ignatian Service Immersion activities and/or activities associated with the Stritch School of Medicine's Center for Community and Global Health.
- This curriculum consists of 6 core courses (18 credit hours), 5 program specific courses (15 credit hours), and 6 elective credits. Students must also complete a practicum (1 credit) and capstone project (2 credits).
- The Capstone for the Epidemiology track is a mentored project. Students will work one-on-one with a faculty researcher to obtain training in research methods for their capstone project.

### **Global Health Equity track core courses:**

- Determinants of Population Health MPBH 400 (3 credits) online; *Fall, Summer semesters*
- Public Health Practice and Management MPBH 402 (3 credits) online; *Fall, Spring semesters*
- Introduction to Epidemiology MPBH 403 (3 cr.): session 1 – online **or** session 2- blended, *Fall semester; online, Summer*
- Public Health Policy: Concepts and Practice MPBH 407 (3 credits) online; *Fall, Summer semesters*
- Biostatistics I MPBH 409 (3 credits) classroom; *Fall semester*
- Public Health in Action MPBH 499 (3 credits) online; *Fall, Spring semesters*

### **Global Health Equity track-specific courses:**

- Introduction to Global Health MPBH 414 blended; *Fall semester*
- Global Maternal and Child Health MPBH 417\* (3 credits) *blended; Spring semester*
- Grant writing MPBH 431 (3 credits) classroom; *Fall, Spring semesters*
- Population Health Planning and Management MPBH 422 (3 credits) online; *Fall semester or*  
Program Planning and Marketing in Health Care CMAN 448 (3 credits) online; *Spring semester*
- **At least one of the following selective courses:**
  - Essential Topics in Global Health MPBH 495\* (3 credits)
  - Social Determinants of Health & Bioethics BEHL 407 (3 credits) online; *Spring semester*
  - Global Bioethics BEHL 491 (3 credits) online; *Fall, Summer semesters*
  - Health Policy and Health Systems SOWK 602 (3 credits) online; *Fall, J-Term, Spring semesters*

*\*MPBH 495 is a Special Topics course category- session and mode of instruction differ each semester.*

Students must complete **6 elective credits** apart from the required core and track specific courses. Students may elect to enroll in courses among, or within, a variety of topical areas, including (but not limited to) law, policy, social determinants of health, and research including:

- Introduction to Statistical Computing for Public Health Research MPBH 412 (2 Credits) blended; *Fall semester*
- Epidemiology of Obesity MPBH 413 (3 credits) online; *Fall semester*
- Health Services Research Methods MPBH 416 (3 credits) online; *Fall semester*
- Intermediate Epidemiology MPBH 423 (3 credits) classroom; *Spring semester*
- Health Economics and Healthcare Financing MPBH 424 (3 credits) online; *Fall semester*
- Health Impact Assessment MPBH 432 (3 credits) online; *Spring semester*
- Clinical Trials MPBH 433 (3 credits) classroom; *Fall semester*
- Systematic Review and Meta-Analysis MPBH 434 (3 credits) online; *every other year*
- Applied Survival Analysis MPBH 495 (3 credits) classroom; *every other year*
- Infectious Disease Epi MPBH 426 (3 credits) online; *Summer semester*
- Justice and Health Care BEHL 402 (3 credits) online; *Fall semester*
- Introduction to Geographic Information Systems ENV5 480 (3 credits) classroom; *Fall, Spring semesters*
- Special Topic Courses MPBH 495\* (e.g., Health Behavior and Health Education; Health Justice Lab: Race & Health Equity, Special Topics in Global Health)  
\*MPBH 495 is a Special Topics course category- session and mode of instruction differ each semester.

#### **Graduation requirement:**

- Practicum MPBH 410 (1 credit) *Fall, Spring, Summer semesters*  
All MPH students are required to complete 1 credit of a practicum (internship) to gain a better understanding of a public health practice, directly utilize their own MPH training, and network with public health professionals in the field. Students must complete a minimum of 210 hours of internship or volunteer work for public health-related program, company, or agency.
- Capstone MPBH 411-3 (2 credits – **must be** divided amongst 2 semesters) *Fall, Spring, Summer semesters*  
The goal of the MPH Capstone project is to provide students the opportunity to demonstrate knowledge and skills acquired in the academic coursework and practicum experience through a written report and oral presentation. Students will meet with their mentor on a (bi-) weekly basis to ensure that the nature and scope of their capstone project will be adequate to meet public health core and track-specific competencies.

**MPBH** - Denotes courses offered through the Parkinson School of Health Sciences and Public Health

**SOWK** - Denotes courses offered through the Graduate School Department of Social Work

**BEHL** - Denotes courses offered through the Nieswanger Institute for Bioethics

**CMAN/GNUR** - Denotes courses offered through the Marcella School of Nursing Graduate School

**LAW** - Denotes courses offered through the Law School

**SOCL** - Denotes courses offered through the Graduate School Department of Sociology