



## 2021-2022 Curriculum Guide for Master of Public Health degree program with a specialization in EPIDEMIOLOGY

The Master of Public Health (MPH) degree program is designed to provide students with the knowledge and skills for general and specialized applied public health practice, both in the public sector and in private sector careers related to population health. It includes courses within public health's foundation disciplines of biostatistics, environmental health science, epidemiology, health behavior & health promotion, and health services management and policy. This broad training is complemented by the more in-depth course work within the specialization including an Applied Practice Experience and Integrative Learning Experience.

Students admitted to the MPH degree program are assigned a faculty advisor who will provide guidance throughout the program. This document serves as a resource to be used by the student and the advisor in planning a program with a specialization in Epidemiology (EPI), but is not inclusive of all important degree, college, and university requirements.

All students are expected to be familiar with the College of Public Health (CPH) *Graduate Student Handbook*:

<http://cph.osu.edu/students/graduate/handbooks>, the *Graduate School Handbook*

<http://www.gradsch.ohio-state.edu/> and the CPH competencies: <https://go.osu.edu/cphcompetencies>.

### PROGRAM OF STUDY

The MPH-EPI curriculum consists of a minimum of 45 credits organized into five curricular domains:

1. Foundation courses in areas of knowledge basic to public health (12 credits)
2. EPI Specialization courses (22-25 credits)
3. Approved Electives (3-6 credits)
4. Applied Practice Experience (2 credits)
5. Integrative Learning Experience Seminar & Integrative Learning Experience (3 credits)

### MPH Integrated Foundational curriculum † (12 credits)

Every student in the MPH-EPI program must take the following courses in areas of knowledge basic to public health:

PUBHTLH 6001	Methods in Quantitative Data Analysis	4 credits
PUBHLTH 6002	History, Values and Essential Services of the U.S. Public Health System	2 credits
PUBHLTH 6003	Methods in Public Health Planning and Evaluation	2 credits
PUBHLTH 6004	Essentials of Population Health	4 credits

### Required Courses in the Specialization (22-25 credits)

PUBHBIO 6211	Design & Analysis of Studies in the Health Sciences II	3 credits
PUBHBIO 6270	Introduction to SAS for Public Health Students	2 credits
PUBHEPI 6411 <sup>^</sup>	Biological Basis of Public Health	3 credits
PUBHEPI 6442	Social Epidemiology	3 credits
PUBHEPI 6431	Design & Implementation of Health Surveys	3 credits
PUBHEPI 7410	Epidemiology II & Lab	4 credits
PUBHEPI 7430	Epidemiology III	4 credits

One additional biostatistics course. Choose from: PUBHBIO 6250, 7220, 7255, 7230, 7235 3 credits

<sup>^</sup>Required for students who do not have an MD, DVM, or equivalent clinical degree

### **Electives (3-6 credits)**

PUBHEPI 5411 Outbreak Investigations	3 credits	‡PUBHEPI 6441 Women’s Health Issues	3 credits
PUBHEPI 5412 Infectious Disease in the Developing World	3 credits	‡PUBHEPI 7411 Environmental Epidemiology	3 credits
PUBHEPI 5438 Cardiovascular Disease Epidemiology	3 credits	PUBHEPI 7412 Principles & Procedures for Human Clinical Trials	3 credits
PUBHEPI 6415 Nutrition in Public Health	3 credits	‡PUBHEPI 7413 Molecular Epidemiology of Cancer	3 credits
PUBHEPI 6432 Injury Epidemiology	2 credits	PUBHEPI 8411 Epidemiology of Obesity	3 credits
‡PUBHEPI 6433 Psychiatric Epidemiology	2 credits	‡PUBHEPI 8412 Group-Randomized Trials	3 credits
‡PUBHEPI 6434 Tuberculosis: A Public Health Issue	2 credits	PUBHEPI 8413 Molecular Epidemiology of Infectious Disease	3 credits
‡PUBHEPI 6435 Chronic Disease Epidemiology	3 credits	PUBHHMP 7686 Qualitative Methods for Health Research	3 credits
PUBHEPI 6436 Infectious Disease Epidemiology	3 credits		
PUBHEPI 6437 Cancer Epidemiology	3 credits		
‡PUBHEPI 6439 Genetic Epidemiology	3 credits		
‡PUBHEPI 6440 Reproductive and Perinatal Epidemiology	3 credits		

‡Not offered 2021/2022

### **Applied Practice Experience**

PUBHLTH 7189 Applied Practice Experience	2 credits
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### **Integrative Learning Experience**

PUBHEPI 7998 Integrative Learning Experience Seminar	1 credit
PUBHLTH 7998 Integrative Learning Experience	2 credits

### **Sample Curriculum Plan for the Master of Public Health in Epidemiology**

(This is one option. Other options that are consistent with curriculum guide are acceptable. Students are advised to consult their advisor)

<b>Year 1 Autumn</b>	PUBHLTH 6001 †	Methods in Quantitative Data Analysis	4 credits	AU
	PUBHLTH 6002 †	History, Values and Essential Services of the U.S. Public Health System	2 credits	AU
	PUBHBIO 6270 PUBHEPI 6431	Introduction to SAS for Public Health students Design & Implementation of Health Surveys	2 credits 3 credits	AU,SP AU
<b>Year 1 Spring</b>	PUBHLTH 6003 †	Methods in Public Health Planning and Evaluation	2 credits	SP
	PUBHLTH 6004 †	Essentials of Population Health	4 credits	SP
	PUBHEPI 7410	Epidemiology II & Lab	4 credits	SP
	PUBHBIO 6211 PUBHEPI 6442	Design and Analysis of Studies in the Health Sciences II Social Epidemiology	3 credits 3 credits	AU, SP SP
<b>Year 1 Summer</b>	PUBHLTH 7189	Applied Practice Experience	2 credits	ANY
<b>Year 2 Autumn</b>	PUBHEPI 7430	Epidemiology III	4 credits	AU
	PUBHEPI 7998	Integrative Learning Experience Seminar	1 credit	AU
	PUBHBIO #####	An applied biostatistics course	3 credits	AU, SP
	ELECTIVE		3 credits	AU, SP
<b>Year 2 Spring</b>	PUBHEPI 6411	Biological Basis of Public Health	3 credits	SP
	PUBHLTH 7998	Integrative Learning Experience	2 credits	ANY
	ELECTIVE		3 credits	AU, SP

†PUBHLTH 6001-6004: Students will be enrolled by The College of Public Health Office of Academic Programs and Student Services for these courses.

### **Grade Policy:**

In addition to the general Graduate School requirements of a cumulative grade point average of 3.0 or higher, students must meet specific college policies regarding grades in Foundation and specialization courses. Students should familiarize themselves with Section 11 of the College of Public Health Graduate Student Handbook.

### **College of Public Health - Office of Academic Programs and Student Services (OAPSS)**

OAPSS staff are available to provide assistance with College, Graduate School and University policies and procedures.

(614) 292-8350/100 Cunz Hall/1841 Neil Ave/Columbus, Ohio/ 43210/[cph.osu.edu](http://cph.osu.edu)

\*\*\*\*\*Questions regarding the student’s program of study should be directed to the advisor\*\*\*\*\*