



2023-2024 PROGRAM GUIDE: Master of Public Health, Epidemiology

Information in this document is updated annually. Please refer to the document for the year you entered the program. Student resources, policies, and procedures applicable to all School of Public Health graduate students can be found on the SPH website, www.ohsu-psu-sph.org.

Overview

Director: Sarah Andrea, PhD (andrea@ohsu.edu)
ohsu-psu-sph.org/mpH-in-epidemiology

The goal of the Epidemiology program is to provide training in the population perspective toward health care and disease prevention. Courses in this track emphasize the use of quantitative methods for analyzing and addressing health problems to support basic and applied research in public health and health care.

Program Competencies

- Apply population-based concepts of epidemiology and risk determination to the assessment of health problems.
- Apply evidence-based knowledge of health determinants to public health issues.
- Apply and interpret a variety of statistical methods commonly used in medical and public health research.
- Propose and test a research hypothesis.
- Identify ethical problems that arise in public health policy decisions.
- Apply knowledge of cultural dimensions in conducting research, including culturally sensitive recruitment of study participants, and develop strategies for interpretation of data in the larger cultural context.
- Integrate and apply relevant literature in epidemiology to public health issues and policy.
- Communicate public health principles and concepts through various strategies across multiple sectors of the community.

MPH Epidemiology Program of Study

Course Number	Course Title	Credits
Core Required Coursework and Exam (2 Credits) (Common to all MPH programs)		
BSTA 511	Estimation and Hypothesis Testing for Applied Biostatistics	4
EPI 512	Epidemiology I	4
ESHH 511	Concepts of Environmental Health	3
HSMP 574	Health Systems Organization	3
PHE 512	Principles of Health Behavior	3
EPI 504PE	Practice Experience	4
EPI 502IP	Integrative Project	1
Exam	Certified in Public Health Examination	0; Pass
Program Required Coursework (27-30 Credits)		
BSTA 512	Linear Models	4
BSTA 513	Categorical Data Analysis	4
EPI 513	Epidemiology II (Methods)	4



EPI 514	Epidemiology III (Causal Inference)	4
EPI 536	Epidemiologic Data Analysis & Interpretation	4
EPI 566	Current Issues in Public Health	2
HSMP 573*	Values & Ethics in Health	3
UNI 504**	Qualitative Methods for Health Professionals	2
<i>Commonly taken electives (8-11 Credits)</i>		
BSTA 514	Survival Analysis	3
BSTA 515	Data Management & Analysis in SAS	3
BSTA 516	Design and Analysis of Surveys	3
BSTA 517	Statistical Methods in Clinical Trials	3
BSTA 519	Longitudinal Data Analysis	3
CPH 515	Geographic Information Systems for Public Health	3
CPH 521	Social Determinants of Health	3
CPH 527	Applied Epidemiology	3
EPI 540	Introduction to Research Proposal & Design	3
EPI 556	HIV/AIDS Epidemiology	2
EPI 568	Infectious Disease Epidemiology	2
EPI 576	Chronic Disease Epidemiology	2
HSMP 581	Population Health: Policy and Practice Implications	3
PHE 519	Introduction to the Etiology of Disease	3
PHE 522	Health and Social Inequalities	3
PHE 524	Social Epidemiology Methods & Theory	3
	Other SPH courses, chosen in consultation with advisor	
Total Credits		60

*Students must complete 30 credits before taking HSMP 573.

** UNI 504 fulfills 2 foundational competency degree requirements: the Inter-professional Education Experience (IPE) and qualitative methods. Alternatively, and in consultation with Faculty Advisors, students may seek permission to take (a) PHE 520 Qual Rsrch Design (3 cr.) or HSMP 588 Prgm Eval/Mgmt in Hlth Svcs (3 cr.) to fulfill the qualitative methods requirement, and (b) a different IPE course for the interprofessional requirement.



MPH Epidemiology Recommended Course Sequencing

Below are recommended course schedules for full and part-time students.

Other schedules are possible. However, *every SPH program has a quarter in which its students are prioritized for registration for certain (required) courses.* It is important that you register promptly, and that you make every attempt to follow the term-by-term course plans laid out below, as your program has priority registration for required courses specified during those terms.

Priority registration is only open for a limited period (typically 3 weeks). Once priority registration ends, students from other programs may register for these courses. While there is some flexibility to take courses in alternate terms, *we can only hold space for you during your prioritized registration term, during the priority registration period.* If you wait to register until after the priority period, or decide to take a course in another term, we cannot guarantee you a spot.

Always consult your Faculty Advisor regarding your program of study and course selection to determine the schedule that fits best for you. If you receive federal financial aid, it is important to be aware of financial aid requirements when planning your schedule. Federal loans require at least 1/2-time enrollment (5 credits). Please refer to the OHSU’s “Student Financial Aid Explained” and “Standard Enrollment Plan” documents, paying particular attention to summer term, for more information. These documents can be found on OHSU’s Financial Aid website here: <https://www.ohsu.edu/education/financial-aid>.

MPH Epidemiology: Full-time (FT-1) student schedule **[Summer EPI 536 Option]**

Year 1 FT-1			
Fall	Winter	Spring	Summer
BSTA 511 Est/Hypothesis Tsting Appld Biostat (4 cr.)	BSTA 512 Linear Models (4 cr.)	BSTA 513 Categorical Data Analysis (4 cr.)	EPI 536 Epi Data Analysis & Interp (4 cr.)
EPI 512 Epidemiology I (in person section; 4 cr.)	EPI 513 Epidemiology II (Methods) (4 cr.)	EPI 514 Epidemiology III (4 cr.)	Optional: Elective, 1-3 cr.
PHE 512 Prin Hlth Behvr (3 cr.)	HSMP 574 Hlth Sys Org (3 cr.)	ESHH 511 Cncpts Env Hlth (3 cr.)	<i>CPH Exam</i>
Attend Fall Welcome		Optional: Elective	
Year 2 FT-1			
Fall	Winter	Spring	Summer
HSMP 573 Values & Ethics Hlth (3 cr.)	EPI 504PE Practice Exper (2 cr or 4 cr)*	EPI 504PE Practice Exper (2 cr or 4 cr)*	
Elective(s), 6 credits	EPI 566 Current Issues in Public Health (2 cr.)	EPI 502 Integrative Project (1 cr.)	
	UNI 504 Qual Mthds Hlth (2 cr.) [winter <u>or</u> spring]	UNI 504 Qual Mthds Hlth (2 cr.) [winter <u>or</u> spring]	
Attend Fall Welcome	Elective(s) 1-3 cr.	Elective(s), 4-6 credits	

* EPI 504PE (Practice Experience) credits can be taken in a single term or across two terms, which is recommended.



MPH Epidemiology: Full-time (FT-2) student schedule [Fall EPI 536 Option]

Year 1 FT-2			
Fall	Winter	Spring	Summer
BSTA 511 Est/Hypothesis Tsting Appld Biostat (4 cr.)	BSTA 512 Linear Models (4 cr.)	BSTA 513 Categorical Data Analysis (4 cr.)	
EPI 512 Epidemiology I (in person section; 4 cr.)	EPI 513 Epidemiology II (Methods) (4 cr.)	EPI 514 Epidemiology III (4 cr.)	Optional: Elective, 1-3 cr.
PHE 512 Prin Hlth Behvr (3 cr.)	HSMP 574 Hlth Sys Org (3 cr.)	ESHH 511 Cncpts Env Hlth (3 cr.)	<i>CPH Exam</i>
Attend Fall Welcome		Optional: Elective	<u>Other Summer Offerings:</u> ESHH 511 Cncpts Env Hlth (3 cr.) HSMP 574 Hlth Sys Org (3 cr.) PHE 523 Prin Hlth Behvr (3 cr.) HSMP 573 Values/Ethcs (3 cr.)
Year 2 FT-2			
Fall	Winter	Spring	Summer
EPI 536 Epi Data Analysis & Interp (4 cr.)	EPI 504PE Practice Exper (2 cr or 4 cr)*	EPI 504PE Practice Exper (2 cr or 4 cr)*	
HSMP 573 Values & Ethics Hlth (3 cr.)	EPI 566 Current Issues in Public Health (2 cr.)	EPI 502 Integrative Project (1 cr.)	
Elective(s), 2 credits	UNI 504 Qual Mthds Hlth (2 cr.) [winter <u>or</u> spring]	UNI 504 Qual Mthds Hlth (2 cr.) [winter <u>or</u> spring]	
Attend Fall Welcome	Elective(s) 1-3 cr.	Elective(s), 4-6 credits	

* EPI 504PE (Practice Experience) credits can be taken in a single term or across two terms which is recommended.

MPH Epidemiology: PART-time (PT) student schedule [Fall EPI 536 Option]

Year 1 PT			
Fall	Winter	Spring	Summer
BSTA 511 Est/Hypothesis Tsting Appld Biostat (4 cr.)	BSTA 512 Linear Models (4 cr.)	BSTA 513 Categorical Data Analysis (4 cr.)	
PHE 512 Prin Hlth Behvr (3 cr.)	HSMP 574 Hlth Sys Org (3 cr.)	ESHH 511 Cncpts Env Hlth (3 cr.)	
Attend Fall Welcome			<u>Summer Offerings, choose from:</u> ESHH 511 Cncpts Env Hlth (3 cr.) HSMP 574 Hlth Sys Org (3 cr.) PHE 523 Prin Hlth Behvr (3 cr.) HSMP 573 Values/Ethcs (3 cr.)
Year 2 PT			
Fall	Winter	Spring	Summer
EPI 512 Epidemiology I (in person section; 4 cr.)	EPI 513 Epidemiology II (Methods) (4 cr.)	EPI 514 Epidemiology III (4 cr.)	
HSMP 573 Values & Ethics Hlth (3 cr.)	EPI 566 Current Issues in Public Health (2 cr.)	Elective(s), 4-6 credits	<u>Summer Offerings, choose from:</u> ESHH 511 Cncpts Env Hlth (3 cr.) HSMP 574 Hlth Sys Org (3 cr.) PHE 523 Prin Hlth Behvr (3 cr.) HSMP 573 Values/Ethcs (3 cr.)
	<i>CPH Exam</i>		



Year 3 PT			
Fall	Winter	Spring	Summer
EPI 536 Epi Data Analysis & Interp (4 cr.)	EPI 504PE Practice Exper (2 cr or 4 cr)*	EPI 504PE Practice Exper (2 cr or 4 cr)*	
Elective(s), 2 credits	UNI 504 Qual Mthds Hlth, (2 cr.)	EPI 502 Integrative Project (1 cr)	
Attend Fall Welcome	Elective(s) 1-3 cr.	Elective(s), 4-6 credits	

* EPI 504PE (Practice Experience) credits can be taken in a single term or across two terms which is recommended.

MPH Epi/MD Dual degree (for cohort matriculated Summer 2021) [Summer EPI 536]

	Summer	Fall	Winter	Spring
Year 3 (MPH Year) Complete 45 credits		MPH Curriculum: BSTA 511 Est/Hypothesis Tsting Appld Biostat (4 cr.) HSMP 573 Values & Ethics Hlth (3 cr.) HSMP 574 Hlth Sys Org (3 cr.)** Elective(s), 3-6 credits 13-16 credits total	MPH Curriculum: EPI 513 Epidemiology II (Methods) (4 cr.) BSTA 512 Linear Models (4 cr.) EPI 566 Current Issues in Public Health (2 cr.) UNI 504 Qual Mthds Hlth (2 cr.) Elective(s), 2-4 credits 14-16 credits total	MPH Curriculum: EPI 514 Epidemiology III (4 cr.) BSTA 513 Categorical Data Analysis (4 cr.) ESHH 511 Cncpts Env Hlth (3 cr.) PHE 512 Prin Hlth Behvr (3 cr.)** Elective(s), 2-4 credits 16-18 credits total
Year 4 (MD-3) Complete 4-9 credits	MPH Curriculum: EPI 536 Epi Data Analysis & Interp (4 cr.)	MPH Curriculum: Complete EPI 504PE Practice Experience (4 cr) and EPI 502IP (1 cr), if possible		
Year 5 (MD-4) Complete 0-5 credits	MPH Curriculum: Complete EPI 504PE Practice Experience (4 cr) and EPI 502IP (1 cr), if not done in previous year.			

* EPI 504PE (Practice Experience) credits can be taken in a single term or across two terms which is recommended.

** Indicates course taken in a different term than the entering MPH EPI students.



Graduate Student Resources, Policies, and Procedures

[Policies and procedures](https://ohsu-psu-sph.org/graduate-students-policies-and-procedures/) applicable to all School of Public Health graduate students can be found on the SPH website at <https://ohsu-psu-sph.org/graduate-students-policies-and-procedures/>. Please review the student policies and procedures listed there, including but not limited to the following sections:

- Advising
- Academic Standing
- Academic Dismissal
- Academic Dishonesty
- Codes of Conduct
- Educational Records Privacy
- Minimum Course Grade Requirements
- Recognition of Prior Earned Credit
- Course Waiver Policy
- Incomplete Coursework
- Course Approvals (Electives)
- Independent Study
- International Travel and Coursework
- Continuous Enrollment
- Leave of Absence
- Withdrawal Policy
- Time Limits
- Grievance Resolution
- Degree and Certificate Conferral

[Academic resources](#) and [student support services](#) available to SPH graduate students are listed on the SPH website, www.ohsu-psu-sph.org. Please review the resources listed there.