



## 2024-2025 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](http://www.ohsu-psu-sph.org).

### Overview

Director: Sarah Andrea, PhD, MPH ([andreaa@ohsu.edu](mailto:andreaa@ohsu.edu))  
[ohsu-psu-sph.org/mpH-in-epidemiology](http://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
<b>Core Required Coursework (Common to all MPH programs; 17 credits)</b>		
EPI 525*	Biostatistics 1	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
<b>Program Required Coursework (27-30 Credits)</b>		
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
<b><i>Culminating Experience (5 credits)</i></b>		
EPI 504PE	Practice Experience	4
EPI 502IP	Integrative Project	1
<b><i>Commonly taken electives (8-11 credits)</i></b>		
BSTA 514	Survival Analysis	3
BSTA 515	Data Management & Analysis in SAS	3
BSTA 516	Design and Analysis of Surveys	3
BSTA 519	Longitudinal Data Analysis	3
ESHH 515	Geographic Information Systems for Public Health	3
CPH 521	Social Determinants of Health	3
CPH 527	Applied Epidemiology	3
CPH 522	Communicating Public Health Data	3
EPI 521	Injury & Violence Prevention	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
HSMP 588/CPH 538	Program Evaluation	3
PHE 522	Health and Social Inequalities	3
PHE 524	Social Epidemiology Methods & Theory	3
PHE 532	Developmental Origins of Health and Disease Epidemiology	3
	Other SPH courses, chosen in consultation with advisor	
<b>Total Credits Required for MPH</b>		<b>60</b>

\*Effective AY24-25, EPI 525 is the recommended introductory biostatistics course for students enrolled in the MPH Epidemiology program. However, BSTA 511 is an acceptable alternative to fulfil this requirement.

\*\*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.

The program director holds quarterly group advising sessions that are an excellent opportunity to hear program updates, reminders on recommended course sequence, and to get answers to your emerging questions. In addition, your Faculty Advisor is an important resource. We recommend consulting with your Faculty Advisor quarterly 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			Year 2		
	Courses (cr.)		Student Actions	Courses (cr.)		Student Actions
<b>Fall</b>	EPI 525 (4) EPI 512 (4) PHE 512 (3)	Biostatistics 1 Epidemiology 1 Principles of Health Behavior	<ul style="list-style-type: none"> <li>Attend SPH Fall Welcome</li> <li>Attend Group Advising</li> <li>Meet with Advisor re: course selection and academic interests &amp; goals</li> </ul>	HSMP 573 (3) (1-4) (1-4)	Values & Ethics in Health Optional Elective Optional Elective	<ul style="list-style-type: none"> <li>Attend SPH Fall Welcome</li> <li>Attend Group Advising</li> <li>Meet with Advisor re: PE, career goals, professional development</li> <li>Submit PE Learning Agreement</li> </ul>
<b>Winter</b>	BSTA 512 (4) EPI 513 (4) HSMP 574 (3)	Linear Models Epidemiology II (Methods) Health Systems Organization	<ul style="list-style-type: none"> <li>Attend Group Advising</li> <li>Meet with Advisor</li> </ul>	EPI 504PE* (2) EPI 566 (2) UNI 504 (2) (1-4)	Practice Experience Current Issues Qualitative Methods (winter OR Spring) Optional Elective	<ul style="list-style-type: none"> <li>Attend Group Advising</li> <li>Meet with Advisor</li> <li>Apply for spring graduation</li> <li>Submit proposal for Integrative Project</li> </ul>
<b>Spring</b>	BSTA 513 (4) EPI 514 (4) ESHHS11 (3)	Categorical Data Analysis Epidemiology III Concepts of Environmental Health	<ul style="list-style-type: none"> <li>Attend Group Advising</li> <li>Meet with Advisor &amp; Practice Experience Coordinator</li> </ul>	EPI 504PE* (2) EPI 502IP (1) UNI 504 (2) (1-4)	Practice Experience Integrative Project Qualitative Methods (winter OR Spring) Optional Elective	<ul style="list-style-type: none"> <li>Attend Group Advising</li> <li>Meet with Advisor</li> <li>Practice Experience Presentation</li> </ul>
<b>Summer</b>	EPI 536 (4) (1-4)	Epidemiologic Data Analysis & Interpretation Optional Elective	<ul style="list-style-type: none"> <li>Work on PE: Learning Contract (if applicable)</li> </ul>			

\* 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			Year 2		
	Courses (cr.)		Student Actions	Courses (cr.)		Student Actions
<b>Fall</b>	EPI 525 (4)	Biostatistics 1	<ul style="list-style-type: none"> <li>Attend SPH Fall Welcome</li> <li>Attend Group Advising</li> <li>Meet with Advisor re: course selection and academic interests &amp; goals</li> </ul>	EPI 536 (4)	Epidemiologic Data Analysis & Interpretation	<ul style="list-style-type: none"> <li>Attend SPH Fall Welcome</li> <li>Attend Group Advising</li> <li>Meet with Advisor re: PE, career goals, professional development</li> <li>Submit PE Learning Agreement</li> </ul>
	EPI 512 (4)	Epidemiology 1		HSMP 573 (3)	Values & Ethics in Health	
	PHE 512 (3)	Principles of Health Behavior		(1-4)	Optional Elective	
<b>Winter</b>	BSTA 512 (4)	Linear Models	<ul style="list-style-type: none"> <li>Attend Group Advising</li> <li>Meet with Advisor</li> </ul>	EPI 504PE* (2)	Practice Experience	<ul style="list-style-type: none"> <li>Attend Group Advising</li> <li>Meet with Advisor</li> <li>Apply for spring graduation</li> <li>Submit proposal for Integrative Project</li> </ul>
	EPI 513 (4)	Epidemiology II (Methods)		EPI 566 (2)	Current Issues	
	HSMP 574 (3)	Health Systems Organization		UNI 504 (2)	Qualitative Methods (winter OR Spring)	
				(1-4)	Optional Elective	
<b>Spring</b>	BSTA 513 (4)	Categorical Data Analysis	<ul style="list-style-type: none"> <li>Attend Group Advising</li> <li>Meet with Advisor &amp; Practice Experience Coordinator</li> </ul>	EPI 504PE* (2)	Practice Experience	<ul style="list-style-type: none"> <li>Attend Group Advising</li> <li>Meet with Advisor</li> <li>Practice Experience Presentation</li> </ul>
	EPI 514 (4)	Epidemiology III		EPI 502IP (1)	Integrative Project	
	ESHH511 (3)	Concepts of Environmental Health		UNI 504 (2)	Qualitative Methods (winter OR Spring)	
				(1-4)	Optional Elective	
<b>Summer</b>	(1-4)	Optional Elective	<ul style="list-style-type: none"> <li>Work on PE: Learning Contract (if applicable)</li> </ul>			
	<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.)					

\* 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			Year 2			Year 3		
	Courses (cr.)		Student Actions	Courses (cr.)		Student Actions	Courses (cr.)		Student Actions
<b>Fall</b>	EPI 512 (4) PHE 512 (3)	Epidemiology 1 Principles of Health Behavior	<ul style="list-style-type: none"> <li>Attend SPH Fall Welcome</li> <li>Attend Group Advising</li> <li>Meet with Advisor re: course selection and academic interests &amp; goals</li> </ul>	EPI 525 (4) HSMP 573 (3)	Biostatistics 1 Values & Ethics in Health	<ul style="list-style-type: none"> <li>Attend SPH Fall Welcome</li> <li>Attend Group Advising</li> <li>Meet with Advisor</li> </ul>	EPI 536 (4) (1-4)	Epidemiologic Data Analysis & Interpretation Optional Elective	<ul style="list-style-type: none"> <li>Attend SPH Fall Welcome</li> <li>Attend Group Advising</li> <li>Meet with Advisor re: PE, career goals, professional development</li> <li>Submit PE Learning Agreement</li> </ul>
<b>Winter</b>	EPI 513 (4) HSMP 574 (3)	Epidemiology II (Methods) Health Systems Organization	<ul style="list-style-type: none"> <li>Attend Group Advising</li> <li>Meet with Advisor</li> </ul>	BSTA 512 (4) EPI 566 (2)	Linear Models Current Issues	<ul style="list-style-type: none"> <li>Attend Group Advising</li> <li>Meet with Advisor</li> </ul>	EPI 504PE* (2) UNI 504 (2) (1-4)	Practice Experience Qualitative Methods Optional Elective	<ul style="list-style-type: none"> <li>Attend Group Advising</li> <li>Meet with Advisor</li> <li>Apply for spring graduation</li> <li>Submit proposal for Integrative Project</li> </ul>
<b>Spring</b>	ESHH511 (3) (1-4)	Concepts of Environmental Health Optional Elective	<ul style="list-style-type: none"> <li>Attend Group Advising</li> <li>Meet with Advisor</li> </ul>	BSTA 513 (4) EPI 514 (4)	Categorical Data Analysis Epidemiology III	<ul style="list-style-type: none"> <li>Attend Group Advising</li> <li>Meet with Advisor &amp; Practice Experience Coordinator</li> </ul>	EPI 504PE* (2) EPI 502IP (1) (1-4)	Practice Experience Integrative Project Optional Elective	<ul style="list-style-type: none"> <li>Attend Group Advising</li> <li>Meet with Advisor</li> <li>Practice Experience Presentation</li> </ul>
<b>Summer</b>	(1-4) <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.)	Optional Elective		(1-4) <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.)	Optional Elective	<ul style="list-style-type: none"> <li>Work on PE: Learning Contract (if applicable)</li> </ul>			

\* 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 2022) [Summer EPI 536]**

	Summer	Fall	Winter	Spring
<p><b>Year 3 (MPH Year)</b> Complete 45 credits</p>		<p><b>MPH Curriculum:</b> EPI 525 Biostatistics 1 (4 cr.) HSMP 573 Values &amp; Ethics Hlth (3 cr.) HSMP 574 Hlth Sys Org (3 cr.)** Elective(s), 3-6 credits</p> <p>13-16 credits total</p> <p><b>Student Actions</b></p> <ul style="list-style-type: none"> <li>•Attend SPH Fall Welcome</li> <li>•Meet with Advisor re: course selection and academic interests &amp; goals</li> </ul>	<p><b>MPH Curriculum:</b> EPI 513 Epidemiology II (Methods) (4 cr.) BSTA 512 Linear Models (4 cr.) EPI 566 Current Issues (2 cr.) UNI 504 Qual Mthds Hlth (2 cr.) Elective(s), 2-4 credits</p> <p>14-16 credits total</p>	<p><b>MPH Curriculum:</b> 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</p> <p>16-18 credits total</p> <p><b>Student Actions</b></p> <ul style="list-style-type: none"> <li>•Meet with Advisor &amp; Practice Experience Coordinator</li> <li>•Work on PE: Learning Contract (if applicable)</li> </ul>
<p><b>Year 4 (MD-3)</b> Complete 4-9 credits</p>	<p><b>MPH Curriculum:</b> EPI 536 Epi Data Analysis &amp; Interp (4 cr.)</p>	<p><b>MPH Curriculum:</b> Complete EPI 504PE Practice Experience (4 cr) and EPI 502IP (1 cr), if possible</p>		
<p><b>Year 5 (MD-4)</b> Complete 0-5 credits</p>	<p><b>MPH Curriculum:</b> Complete EPI 504PE Practice Experience (4 cr) and EPI 502IP (1 cr), if not done in previous year.</p>			

\* 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](http://www.ohsu-psu-sph.org). Please review the resources listed there.