

**MPH Curriculum Planner**  
**MPH Epidemiology Concentration, 2020-21**  
**45 Credits Minimum**

Student's Name:

Year of Entry:

Advisor:

Courses	Cr	Semester/Year Taken		
		Offered	Sem/Year	Credits
<b>CORE COURSES (address core public health areas)</b>				
BIOS 543 –Statistical Methods I	3	Fall		
EPID 571 – Epidemiological Principles	3	Fall		
EPID 604 – Principles of Environmental Health	3	Spring		
SBHD 605 – Introduction to Social and Behavioral Health	3	Spring		
HCPR 601- Introduction to Health Policy	3	Fall		
	<b>15</b>			
<b>REQUIRED COURSES</b>				
BIOS 544 – Statistical Methods II	3	Spring		
EPID 547 – Applied Data Analysis Lab I	1.5	Fall		
EPID 548 – Applied Data Analysis Lab II	1.5	Spring		
EPID 580 -- Public Health Ethics	1	Fall		
EPID 593—Foundations of the Public Health Profession	2	Fall		
EPID 691—Spec. Topics: Applied Data Analysis	3	Spring		
IPEC 501—Foundations of Interprofessional Practice*	1	Fall		
*Students holding MD degrees take IPEC 510	<b>10</b>			
<b>Concentration Courses</b>				
EPID 606 – Epidemiological Methods	<b>3</b>	Spring		
EPID 624 – Chronic Disease Epidemiology*	<b>3</b>	TBD		
<b>Choose one of the following courses ("selective"):</b>	<b>3</b>			
EPID 620 – Cancer Epidemiology		Fall		
EPID 623 – Injury and Violence Epidemiology		Fall		
EPID 645 – Public Health Genomics		Spring (alternating)		
EPID 646 – Epidemiology of Psychiatric and Substance Use Disorders		Spring (alternating)		
	<b>9</b>			
<b>APPLIED EXPERIENCE REQUIREMENTS</b>				
EPID 693 – Public Health Internship	3	Su1, Su1/F2 or F2		
EPID 694 – MPH Capstone Project	3	F2/Sp2 or Sp2		
Depending on project scope, capstone project may be completed	<b>6</b>			
<b>ELECTIVES (5 credits minimum)</b>				
See VCU Graduate Bulletin/list on next page for choices	<b>5</b>	varies		
<b>TOTAL CREDITS</b>				
<b>NON-DIDACTIC REQUIREMENTS</b>				
Attendance at 12 public health seminars				
Minimum 20 hours service-learning and summary				

**NOTE:** The MPH Program reserves the right to change course offerings.

\*May not be offered in 2020-21; program administration will provide alternate registration guidance as needed.

### Epidemiology Concentration Elective Courses

<b>Electives Choose 2 electives from this list (5 credits minimum) Consult the VCU Graduate Bulletin (Degree Requirements section) for the most current list of options.</b>	
BIOS 535: Behavioral Measurement	3.0
BIOS 549: Spatial Data Analysis (w/instructor permission)	3.0
BIOS 635: Structural Equation Modeling	3.0
BIOS 691: Special Topics: GIS for Public Health	3.0
CCTR 630: Design Implications in Clinical Trials	3.0
EPID 594: MPH Practicum	2.0
EPID 620: Cancer Epidemiology	3.0
EPID 622: Maternal and Child Health Epidemiology	3.0
EPID 623: Injury Epidemiology (as of F2020)	3.0
EPID 645: Public Health Genomics	3.0
EPID 646: Epidemiology of Psychiatric & Substance Use Disorders	3.0
HGEN 611: Data Science	3.0
SBHD 630: Theoretical Foundations of Social and Behavioral Health	3.0
SBHD 632: Health Disparities and Social Justice	3.0
SBHD 636: Community-Based Participatory Research	3.0
SBHD 638: Applications in Qualitative Research Methods	3.0
URSP 621: Introduction to Geographic Information Systems	3.0

Students may identify other elective courses not on list above appropriate for the concentration. Check with Director of Educational Programs for approval to take such electives.

## SUGGESTED COURSE SEQUENCE—Full-time, two-year students

Students should focus on taking core/required courses first, to establish foundational knowledge and to meet prerequisite requirements for some elective courses.

### Fall 1

BIOS 543	Graduate Research Methods I	3
<del>EPID 547</del>	<del>Applied Data Analysis Lab I</del>	<del>1.5</del>
EPID 571	Epidemiological Principles	3
EPID 580	Public Health Ethics	1
EPID 593	Foundations of the Public Health Profession	<u>2</u>
		9

### Spring 1

BIOS 544	Graduate Research Methods II	3
<del>EPID 548</del>	<del>Applied Data Analysis Lab II</del>	<del>1.5</del>
EPID 606	Epidemiologic Methods	3
EPID 691	Spec. Topics: Applied Data Analysis	3
SBHD 605	Introduction to Social and Behavioral Health	<u>3</u>
		12

### Summer 1

EPID 693	Public Health Internship (or fall 2)	<u>3</u>
		3

### Fall 2

EPID 624*	Chronic Disease Epidemiology*	3
EPID 694	MPH Capstone Project	1
HCPR 601	Introduction to Health Policy	3
IPEC 501	Foundations of Interprofessional Practice	1
(S)Elective	Epi concentration selective or elective	<u>3-6</u>
	(EPID 620, EPID 623 for F20)	8-11

### Spring 2

EPID 604	Principles of Environmental Health	3
EPID 694	MPH Capstone Project	2
(S)elective	Epi concentration selective or elective	3
	(could be EPID 606, if needed)	
Elective	Epi concentration elective (EPID 645, S21)	<u>3</u>
	(EPID 645)	10-11

### Notes:

Course plans will vary by student; elective courses may be included in any semester where appropriate. The MPH Program reserves the right to change course offerings.

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## SUGGESTED COURSE SEQUENCE—Full-time, one-year students (physicians)

### Fall 1

BIOS 543	Graduate Research Methods I	3
EPID 571	Epidemiological Principles	3
EPID 580	Public Health Ethics	1
EPID 593	Foundations of the Public Health Profession	2
EPID 594	MPH Practicum	2
EPID XXX	Epidemiology elective—or--selective	3
HCPR 601	Introduction to Health Policy	3
IPEC 510	Interprof. Communication and the Care Coordinator	<u>1</u>
		18

### Spring 1

BIOS 544	Graduate Research Methods II	3
EPID 606	Epidemiologic Methods	3
EPID 604	Principles of Environmental Health	3
EPID 691	Spec. Topics: Applied Data Analysis	3
EPID XXX	Epidemiology selective or elective	3
SBHD 605	Introduction to Social and Behavioral Health	<u>3</u>
		18

### Summer 1

EPID 693	Public Health Internship	3
EPID 694	MPH Capstone Project	3
EPID XXX	Epidemiology substitute selective*—or--elective	<u>3</u>
		9

\*If selective, will have to be ind. Study meeting competencies of missing conc. course

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