

MPH – One Health

Curriculum & Recommended Course Sequencing

Effective for those following the 2025/2026 academic curriculum guide

REQUIRED CORE COURSES - (16 units)

EPID 573A	Basic Principles of Epidemiology (3)
PHPM 574	Public Health Policy & Management (3)
EHS 575	Environmental & Occupational Health (3)
BIOS 576A	Biostatistics in Public Health (3)
HPS 577	Sociocultural & Behavioral Aspects of Public Health (3)
EPID 580	Integrated Public Health Learning Experience - MPH capstone course (1)
Must be taken after other core courses are completed; should not be taken concurrently	

Master's Report Preparation Workshop (**required**; non-credit; semester before internship begins)
Interprofessional Education Activities (**documentation required**; non-credit)

REQUIRED ONE HEALTH COURSES - (17 units)

EPID/EHS 545	One Health Foundations (3)
EHS 660	Infectious Disease Epidemiology (3)
EHS 525	A Public Health Lens to Climate Change (3)
EPID 679	One Health Applications and Practice (3)
EPID 596D	Public Health Experience – Student Epidemiology Response Team (SAFER) (2)
EPID 909	Master's Report (3)

REQUIRED SELECTIVES - (9 units)

Students must take at least one course from each of the three areas: **HUMAN, ANIMAL/PATHOGEN, and ENVIRONMENT**. The list of required selectives can be found the following pages and on the College of Public Health's [website](#) under the One Health MPH page.

Total Required Credit Hours: 42

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FIRST YEAR			
Fall Semester- (12 units)		Spring Semester- (11 units)	
EPID 573A*	Basic Principles of Epidemiology (3)	EHS 525 ²	A Public Health Lens to ClimateChange (3)
BIOS 576A*	Biostatistics in Public Health (3)	EPID 596D ²	Public Health Experience – Student Epidemiology Response Team (SAFER) (2)
EHS/EPID 545 ¹	One Health Foundations (3)	One Health Selective	Human, Animal, or Environmental (3)
PHPM 574*	Public Health Policy & Management (3)	HPS 577*	Public Health Policy & Management (3)
		Master’s Report Preparation Workshop (required ; non-credit)	
Summer Session following First Year			
Begin EPID 909 Master’s Report (1-2; typically 1) ** (To conduct the Report, you must be enrolled.) One Health Selective - Human, Animal, or Environmental (3) – optional			
SECOND YEAR			
Fall Semester- (9-11 units)		Spring Semester- (8-11 units)	
EHS 575 (online)	Environmental and Occupational Health (3)	EPID 660 ²	Infectious Disease Epidemiology (3)
One Health Selective	Human, Animal, or Environmental (3)	EPID 679 ²	One Health Applications and Practice (3)
One Health Selective	Human, Animal, or Environmental (3)	EPID 909 **	Master’s Report (1-3)
EPID 909**	Master’s Report (0-2)	EPID 580	Integrated Public Health Learning Experience - MPH capstone course (1)
IMPORTANT GUIDELINES			
Bolded courses in first fall semester indicate essential courses for the student to take that semester.			
* MPH required core courses are offered fall & spring semesters, allowing flexibility. The modality and number of offerings may vary by semester and are subject to change. All five 3-unit Core Courses must be complete prior to the student’s final term in the program when writing your APE Final Report.			
** Prerequisites for EPID 909 – Master’s Report: At least 3 MPH core courses before enrolling. EPID 909 typically is taken in multiple semesters with the credit hours split across semesters. Note: The final report may not be completed until the semester following the completion of all five MPH core courses			

One Health Required Selectives

Please check prerequisites when planning semester course selection

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Students must take at least one course from each of the three areas (Human, Animal, Environment)		
Course	Semester Typically Offered*	Units
HUMAN		
HPS 533 Global Health	Spring	3
EPID 606 Changing Health Policy: Cultural Understanding & Epi Analysis	Spring	4
EHS 551 Systems Thinking in One Health	Spring	3
HPS 534 Infectious Diseases, Global Health and Development	Spring (online)	3
AREC/ECON 516 Microeconomics of Economic Development	Fall	3
EHS 546 One Health Approach and Cases Studies	Fall	3
EHS/AIS 528 Indigenous Research and Ethics	Fall	3
EHS 526 Topics in Environmental Justice	Fall	3
CPH 502 Climate Change and Health (Online)	Summer	3
ANIMAL/ PATHOGEN		
EHS 539A Outbreaks and Environmental Microbiology: Then to Now	Summer	3
MIC 530 Food Microbiology and Biotechnology	Spring	3
IMB 520 Pathogenic Bacteriology	Fall	3
ACBS 549 Diseases of Wildlife	Fall	3
ACBS 505 Principles of Livestock Health Management	Spring	3
ECOL 557 Medical Veterinary Entomology	Spring	3
ACBS 519 General Immunological Concepts	Fall	4
WFSC 553 Wildlife and Zoonotic Disease Ecology	Spring	3
ENVIRONMENT		
RNR 558 Ecosystem Ecology and a Sustainable Future	Spring	3
RNR 540 Climate Change Adaptation: Perspectives at the Nexus of Science, Society and Resource Management	Fall/ Spring	3
EHS 610 Lifecourse Epidemiology of Environmental Exposures	Fall	3
RNR 580 Natural Resources Policy and Law	Spring	3
RNR 582 Managing to Collaborate on Environmental and Natural Resources Conflicts	Spring	3
EHS 520 Environmentally Acquired Illnesses	Spring	3
EHS/PCOL 553 Toxicology and Chemical Exposure	Spring	3

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| 1 This course is offered both fall and spring semesters |
| 2 This course only offered in this specific semester; not in both fall and spring semesters |
| 3 Students planning an infectious disease related Master's Report are encouraged to take EPID 660 spring year 1. Note: EPID 660 and HPS 577 are offered during the same time slot in spring, so plan accordingly. |

