



**MPH – One Health  
Curriculum & Recommended Course Sequencing**

---

**Effective for those following the 2020/2021 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 (1)  
Internship Preparation Workshop  
(**required**; non-credit; semester before internship begins)  
Interprofessional Education Activities  
(**documentation required**; non-credit)

**Required One Health Courses (14 units)**

- EPID 660    Infectious Disease Epidemiology\*\*\*& (3)  
EHS 525    Global to Local: Environmental Change and Human  
Health (3) \*\*\*  
EPID 679    One Health Applications and Practice (F)(3)\*\*\*  
EPID 596D    Public Health Experience – Student Epidemiology  
Response Team (SAFER) (2)\*\*  
EPID 909    Master's Report "Internship" (3) §

**Required Selectives (12 units)**

Students must take **at least one** course from each of the four areas:  
**HUMAN, ANIMAL/PATHOGEN, ENVIRONMENT and METHODS**. The list  
of required selectives can be found on pages 3-4 and on the College of  
Public Health's [website](#) under the One Health MPH page.

**Total Required Credit Hours: 42**

# One Health Recommended Course Sequencing

## Effective for those following the 2020/2021 academic curriculum guide

First Year			
Fall Semester (12 units)		Spring Semester (11 units)	
EPID 573A	Basic Principles of Epidemiology (3)*	EHS 525	Global to Local: Environmental Change and Human Health *** (3)
BIOS 576A	Biostatistics in Public Health (3) *	or EPID 660	Infectious Disease Epidemiology***& (3)
PHPM 574	Public Health Policy & Management (3)*	EPID 596D	Public Health Experience – Student Epidemiology Response Team (SAFER) (2)**
or EHS 575	EHS 575 Environmental & Occupational Health (3)*	PHPM 574	Public Health Policy & Management (3)*
HPS 577	Sociocultural & Behavioral Aspects of Public Health (3)*	or EHS 575	Environmental & Occupational Health (3)*
		One Health Selective – Human, Animal, Enviro or Methods (3)	
		Internship Preparation Workshop (required; non-credit)	
Summer Session following First Year			
§Begin EPID 909 Master’s Report “Internship” (1-2; typically 1) (To conduct the internship, you must be enrolled.) One Health Selective - Human, Animal, Enviro or Methods (3) – optional			
Second Year			
Fall Semester (10-12 units)		Spring Semester (9-12 units)	
EPID 679	One Health Applications and Practice*** (3)	EHS 525	Global to Local: Environmental Change and Human Health *** (3)
One Health Selective – Human, Animal, Enviro or Methods (3)		or EPID 660	Infectious Disease Epidemiology*** (3)
EPID 909	Master’s Report “Internship” (0-2, typically 0)§	One Health Selective(s) – Human, Animal, Enviro or Methods (2 courses; 3 units each)	
EPID 580	Integrated Public Health Learning Experience (1)	EPID 909	Master’s Report “Internship” (1-3, often 3) §
(or EPID 580 can be taken in the Spring of the 2 <sup>nd</sup> year)			
IMPORTANT GUIDELINES			
* 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 Internship Report.			
**This course is offered both fall and spring semesters			
*** This course only offered in this specific semester; <b>not</b> in both fall and spring semesters.			
& Students planning an infectious disease related MPH Internship are encouraged to take EPID 660 spring year 1.			
<b>Note:</b> EPID 660 and HPS 577 are offered during the same time slot in spring, so plan accordingly.			
§ Prerequisites for EPID 909 – Master’s Report “Internship”: At least 3 MPH core courses and EPID 596D before starting internship. EPID 909 typically is taken in multiple semesters with the credit hours split across semesters.			
<b>Note:</b> The final internship report may not be completed until the semester following the completion of all five MPH core courses.			
Bolded courses in first fall semester indicate essential courses for the student to take that semester.			

**One Health Required Selectives**  
**Effective for those following the 2020/2021 academic curriculum guide**

Students must take <b><i>at least one</i></b> course from <b><i>each</i></b> of the four areas (Human, Animal, Environment, Methods)		
Course	Semester Typically Offered*	Units
<b><u>HUMAN</u></b>		
HPS 533 Global Health	Spring	3
EPID 606 Changing Health Policy: Cultural Understanding & Epi Analysis	Spring	4
EHS 539A Outbreaks and Environmental Microbiology: Then to Now	Summer (online)	3
HPS 534 Infectious Diseases, Global Health and Development	Spring (online)	3
<b><u>ANIMAL / PATHOGEN</u></b>		
ACBS 570 One Health ( <i>highly recommended</i> )	Fall	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
<b><u>ENVIRONMENT</u></b>		
RNR 558 Ecosystem Ecology and a Sustainable Future ( <i>highly recommended</i> )	Spring	3
RNR 540 Climate Change Adaptation: Perspectives at the Nexus of Science, Society and Resource Management	Fall / Spring	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

<b><u>METHODS</u></b>		
EPID 573B Advanced Epidemiology	Spring	3
BIOS 576B Biostatistics for Research	Spring	3
EHS 502 Environmental Monitoring Methods	Fall	3
EHS 518 Introduction to Risk Assessment	Fall	3
EHS 603 Applied Analysis of Environmental Data	Spring (even years)	3
EHS 604 Modeling Exposures to Environmental Hazards	Spring (odd years)	3
EPID 646 Measurement Issues in Epidemiology	Fall (even years)	3
EPID 676 Spatial Epidemiology	Spring	3
<b><u>Notes:</u></b> * Consult the UA schedule of classes and catalog for further details on the current course offering schedule and specific course requirements. **EHS 525 may be used for the Human OR the Environmental selective, but not be counted for both.		