

**2015-2016 Bachelor of Science in Public Health - Environmental Public Health Specialization/ MPH-Veterinary Public Health Curriculum Guide**

<b>Undergraduate courses</b>		Earth Science 3203 Basic Science, Research, & Implications for Society	3
<b>General Education (GE) Requirements</b> Students should refer to GE guide for GE course selection	Hours	Earth Science 3411 AU Water Security for the 21 <sup>st</sup> century	3
English 1110.OX	3	Earth Science 5203 SP Geo-Environment and Human Health	3
Level 2 Writing- Any 2367 Course	3	<b>Undergraduate Interdisciplinary Specialization Courses III (Select 1)</b>	
Literature	3	PUBHEPI 5411 AU Outbreak Investigations	3
Visual and Performing Arts	3	PUBHEHS 3320 Fundamentals of Env. Health Risk Assessment	3
Math 1148/1149 or 1150	5-7	PUBHEHS 5320 Climate Change & Human Health	3
Statistics 1350 or 1450	3	<b>Capstone Experience (3-4 credits)</b>	
Biology 1113	4	All students must take Public Health 3180 or 3180E (Undergraduate Capstone Preparation) <b>and then choose one of the following:</b>	1
Microbiology 4000	4	PUBHLTH 3189.01, .02, .03, .04 or 3189.01E, 3189.02E, 3189.03E Field Experience (Study Abroad)	3
Physics 1200	5	PUBHLTH 3191 or 3191E Internship or Honors Internship	2
Historical Study	3	PUBHLTH 3999 Undergraduate Capstone Research	2
Culture & Ideas or other Historical Study	3	PUBHLTH 4999.01H Senior Honors Thesis	2
Sociology 1101	3	<b>Graduate Courses</b>	
2nd Social Science (from Social Science subcategory A or C)	3	<b>Graduate Public Health Core Courses (all 15 hours required)</b>	
Language Proficiency through 1103 or credit by exam	12	PUBHEPI 6410 Principles of Epidemiology	3
Social Diversity in the United States (Sociology 1101)	-	PUBHHMP 6610 Introduction to Health Care Organization	3
Global Studies (Intended to overlap with other GE courses)	0-6	PUBHEHS 6310 Advanced Environmental Health Science	3
Math 1151 (fulfills GE Open Option requirement)	5	PUBHBIO 6210 Design & Analysis of Studies in the Health Sciences I	3
Biology 1114 (fulfills GE Open Option requirement)	4	PUBHHBP 6510 Preventing Disease & Promoting Health	3
<b>GE Total</b>	<b>66-74</b>	<b>Required courses in the Veterinary Public Health specialization</b>	
PUBHLTH 1100 (Survey of Public Health)	1	PUBHEHS 5315 Principles of Toxicology (fulfills VPH elective and overlaps with Undergraduate Interdisciplinary Specialization III course)	3
<b>BSPH Major Admission Requirements:</b> English 1110.OX, Math 1148/1149 or 1150 or higher, Biology 1113, Sociology 1101, Minimum 2.80 cumulative GPA, 30 credit hours, C or higher in all prerequisite courses (all overlap with GE requirements)		PUBHEHS 5325 Principles of Occupational Health (fulfills VPH elective and overlaps with Undergraduate Interdisciplinary Specialization III course)	3
<b>Undergraduate Public Health Core Courses (all 15 hours required)</b>		PUBHBIO 6211 Design & Analysis of Studies in the Health Sciences II	3
<b>C- or higher required in all undergraduate major courses</b>		VETPREV 7721 Zoonotic Diseases	3
PUBHLTH 2010 Introduction to Global Public Health	3	VETPREV 7722 Food-Borne Diseases and Food Safety	3
PUBHEHS 3310 Global Environmental Health	3	VETPREV 7723 Biosecurity and Environmental Health	3
PUBHEPI 2410 Introduction to Epidemiology	3	VETPREV 7725 Veterinary Epidemiology	3
PUBHHBP 3510 Role of Behavior in Public Health	3	Electives	4
PUBHHMP 4650 US and International Health Care	3	PUBHLTH 7189 Practicum	2
<b>Undergraduate Interdisciplinary Specialization Courses I (all 16 hours required)</b>		VETPREV 7998 Culminating Project in Veterinary Public Health	3
Chemistry 1210 General Chemistry I	5	For students who plan to enroll in a DVM program, the following courses are DVM prerequisite courses that do not overlap with the BSPH or MPH degree requirements: 1. Biochemistry 4511 Introduction to Biological Chemistry (4 credits) 2. Physiology 3200 Human Physiology (5 credits) 3. Communication 2110 Principles of Effective Public Speaking (3 credits) or 2131 Business and Professional Speaking (3 credits)	
Chemistry 1220 General Chemistry II	5		
Chemistry 2510 Organic Chemistry Lecture	4		
Chemistry 2540 Organic Chemistry Lab	2		
<b>Undergraduate Interdisciplinary Specialization Courses II (Select 2)</b>			
Earth Science 2203 AU/SP Environmental Geoscience	3		
Earth Science 2204 Exploring Water Issues	3	<b>Undergraduate and Graduate total minimum hours</b>	<b>155</b>

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Master of Public Health-Veterinary Public Health  
Sample 5 year plan**

Autumn 1	Credits	Spring 1	Credits	Summer 1	Credits
English 1110.OX	3	Math 1151	5		
Chemistry 1210	5	Chemistry 1220	5		
Math 1150	5	Biology 1113	4		
Sociology 1101	3	Visual and Performing Arts GE	3		
PUBHLTH 1100	1				
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>17</b>		
Autumn 2	Credits	Spring 2	Credits	Summer 2	Credits
Chemistry 2510	4	Chemistry 2540	2		
PUBHLTH 2010	3	PUBHEPI 2410	3		
Language 1 (1101)	4	2 <sup>nd</sup> Writing (any 2367 course)	3		
Statistics 1350 or 1450	3	Language 2 (1102)	4		
PUBHEHS 3310	3	Interdisciplinary Spec II course	3		
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>15</b>		
Autumn 3	Credits	Spring 3	Credits	Summer 3	Credits
Biology 1114	4	PUBHHBP 3510	3	BSPH Capstone	2
Literature GE	3	PUBHLTH 3180 (capstone prep)	1		
PUBHHMP 4650	3	Historical Study GE	3		
Biochemistry 4511**	0-4	Physics 1200	5		
Language 3 (1103)	4	Interdisciplinary Spec II Course	3		
		Communication 2110 or 2131**	0-3		
<b>Total</b>	<b>14-18</b>	<b>Total</b>	<b>15-18</b>	<b>Total</b>	<b>2</b>
Autumn 4	Credits	Spring 4	Credits	Summer 4	Credits
Microbiology 4000 (incl. lab)	4	<b>PUBHEHS 5315 Toxicology*</b>	<b>3</b>	PUBHLTH 7189 Practicum	2
<b>PUBHBIO 6210 Biostats I*</b>	<b>3</b>	<b>PUBHBIO 6211 Biostats II*</b>	<b>3</b>		
Other Social Science GE	3	Physiology 3200**	0-5		
Culture & Ideas or Historical Study GE	3	Interdisciplinary Spec Course III	3		
<b>PUBHEHS 5325 Occ Health*</b>	<b>3</b>	Undergraduate Electives***	3+		
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>13-18</b>	<b>Total Hours</b>	<b>2</b>
		<b>Min. Total Credits BSPH</b>	<b>126</b>		
Autumn 5	Credits	Spring 5	Credits		
PUBHHBP 6510 Prev Disease	3	VETPREV 7722 Foodborne	3		
PUBHEHS 6310 Princ Env Hlth	3	VETPREV 7723 Biosecurity	3		
PUBHEPI 6410 Princ Epi	3	VETPREV 7725 Veterinary Epi	3		
PUBHHMP 6610 Hlth Care Org	3	Electives	4		
VETPREV 7721 Zoonotic Diseases	3	VETPREV 7998 Culm Project	3		
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>16</b>	<b>Min. Total Credits MPH</b>	<b>45</b>

\*Bold highlighted courses for Autumn 4 and Spring 4 count toward both BSPH-EPH and MPH-VPH degree programs.

\*\*Biochemistry 4511, Physiology 3200, and Communication 2110/2131 are not required courses for this degree program, however they are prerequisites for the Doctor of Veterinary Medicine program

\*\*\*If students have not earned 126 total credits by the end of Spring Year 4, then they will need to select elective coursework to reach 126 total hours