



November 4, 2024

**To:** Randy Smith, Vice Provost for Academic Programs, Office of Academic Affairs

**From:** Rebecca Andridge, Associate Dean for Undergraduate Studies, College of Public Health

**Re: Removal of a Course from the Bachelor of Science in Public Health – Environmental Public Health Specialization**

Dear Randy,

Please accept this memo as notification of a minor adjustment to the curriculum for the Bachelor of Science in Public Health – Environmental Public Health Specialization (BSPH-EPH).

In June 2024, the Council on Academic Affairs approved a change to the prerequisite courses for the BSPH-EPH, removing MATH 1151: Calculus I and replacing it with either MATH 1148: College Algebra and MATH 1149: Trigonometry or MATH 1150: Precalculus. At the time of this change, MATH 1151 was retained in the curriculum under the rationale that it was required for EHAC accreditation (National Environmental Health Science & Protection Accreditation Council) which the college intended to pursue in the future. However, we have discovered that MATH 1151 is *not* required for EHAC accreditation, nor is it required by our main accreditation body, the Council on Education for Public Health. MATH 1151 is not a prerequisite for any courses in the BSPH-EPH curriculum, nor does it map to any of our program competencies or learning objectives. Thus, **we plan to remove MATH 1151 from the BSPH-EPH curriculum.**

The goal is to implement this change as soon as possible. This proposed modification will have no adverse impact to the current students relative to increased credit, costs, or time-to-degree. In fact, it will reduce credits and costs, since MATH 1151 will not be replaced by another course (total required major credit hours will be reduced by 5 credits). We are currently beginning an extensive evaluation of the BSPH degree (both the EPH specialization and the Public Health Sociology specialization) and anticipate coming to CAA with a proposal for more major curricular changes sometime in the next 12-18 months.

An updated curriculum sheet is included with this memo. I am happy to answer any questions you might have regarding this proposed change. Thank you for your consideration.

## Bachelor of Science in Public Health

### Environmental Public Health Specialization

Course	Credit Hours
<b>General Education (GE) Requirements</b> Students should refer to GE guide for specific GE requirements	
<b>General Education Foundation Courses (24 credit hours)</b>	
Writing and Information Literacy (ENGLISH 1110.XX)	3
Mathematical and Quantitative Reasoning (MATH 1148 & 1149 or 1150 rec'd to overlap)	5-7
Literary, Visual and Performing Arts	3
Historical and Cultural Studies	3
Natural Science (A GE Biology course is recommended)	4
Social and Behavioral Sciences	3
Race, Ethnic and Gender Diversity	3

<b>GE Themes (9-12 credit hours)</b>	
Theme 1: (Required) Citizenship for a Diverse and Just World (select two courses)	6
Theme 2: Theme of your choice (select one course)	3*
*Students can overlap one approved Public Health Foundation Course to fulfill requirements for the Health and Well-Being Theme (PUBHLTH 2010, PUBHEPI 2410, PUBHHP 3510, PUBHMP 3610) or the Lived Environment (PUBHEHS 3310) Theme.	

<b>GE Bookends (2 credit hours)</b>	
GENED 1201 (Launch Seminar)	1
GENED 4001 (Reflection Seminar)	1

<b>First Year Survey Course (1 credit hour)</b>	
PUBHLTH 1100 Survey of Public Health	1

<b>BSPH Major Admission Requirements</b>	
MATH 1148 & 1149 or MATH 1150 with a C grade or higher, minimum 2.50 cumulative GPA and completion of 15 credit hours	

<b>Major Requirements C- or higher required in all major courses</b>	
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<b>Required Public Health Foundation Courses (18 credit hours)</b>	
PUBHBIO 2210 or 2210(H) Biostatistics for Public Health Research	3
**PUBHEHS 3310 Current Issues in Global Environmental Health	3
**PUBHLTH 2010 Critical Issues in Global Public Health	3
**PUBHHP 3510 Role of Behavior in Public Health	3
**PUBHEPI 2410 Epidemiology in Public Health	3
**PUBHMP 3610 U.S. & International Health Care	3

<b>Required Interdisciplinary Specialization Courses (25 credit hours)</b>	
CHEM 1210 General Chemistry I	5
CHEM 1220 General Chemistry II	5
CHEM 2510 Organic Chemistry I	4
CHEM 2540 Organic Chemistry Lab I	2
MICROBIOLOGY 4000.01 or 4000.02 Basic and Practical Microbiology	4
PHYSICS 1200 Mechanics, Kinematics, Fluids, Waves	5

<b>Interdisciplinary Environmental Public Health Specialization Courses (27-28 credit hours)</b>	
EARTHSCI 2203 Environmental Geoscience	3
EARTHSCI 3411 Water Security for the 21st Century (SP)	3
PUBHEHS 3320 Fundamentals of Environmental Health Risk Assessment (SP)	3
PUBHEHS 4530 Food Safety & Public Health (SP)	3
PUBHEHS 5315 Principles of Toxicology (SP)	3
PUBHEHS 5335 Ecology of Infectious Diseases (SP)	3
PUBHEHS 5340 Air Contaminants & Public Health (SP)	3
PUBHEPI 3411 Public Health Field Investigation	3
<b>Select one course from the following (credit hours included above)</b>	
EARTHSCI 5203 Geo-Environment & Human Health	3
EARTHSCI 5663 Global Change & Sustainability in the Earth System	4
PUBHEHS 4330 Environmental Epigenetics	3

## 2024-2025 Curriculum Guide

(including General Education, Admissions requirements and Major requirements)

Course	Credit Hours
<b>Selectives (9-12 credit hours)</b>	
<b>Select from courses listed below or other EPH applicable course(s) with EHS faculty approval (courses cannot overlap with Interdisciplinary Environmental Public Health requirements)</b>	
EARTHSC 2204 Exploring Water Issues	3
EARTHSC 4450 Water, Ice, & Energy in the Earth System	3
EARTHSC 5203 Geo-Environment & Human Health	3
EARTHSC 5651 Hydrogeology	4
EARTHSC 5663 Global Change & Sustainability in the Earth System	4
ENR 2100 Introduction to Environmental Science	3
ENR 3000 Soil Science	3
GEOG 2800 Our Global Environment	3
GEOG 5210 Fundamentals of GIS	3
PUBHLTH 3998 Undergraduate Public Health Research	2
PUBHLTH 5015 Public Health Data Analytics	3
PUBHEHS 3330 Global Pandemics and Public Health	3
PUBHEHS 4325 Climate Change and Human Health	3
PUBHEHS 4330 Environmental Epigenetics	3
PUBHEHS 4340 Molecular Techniques for EHS	3
PUBHEHS 5325 Principles of Occupational Health Science	3
PUBHEHS 5395 Engineering Design Environmental Health	3
PUBHEPI 5412 Infectious Disease Epidemiology	3
VETPREV 5721 How Animals Can Make You Sick	3

<b>Capstone (3-4 credit hours)</b>	
PUBHLTH 3180 or 3180E (Capstone Preparation course, required of all students)	1
<b>Select one Capstone Course:</b>	
PUBHLTH 3191/3191E Internship/Honors Internship	2
EARTHSCI 5797.20 Exploring Environmental and Human Health Issues in Japan or pre-approved Education Abroad experience	3
PUBHLTH 3999 Undergraduate Capstone Research	2
PUBHLTH 4999/4999.01H Research Thesis	2

<b>Total Minimum Credit Hours</b>	<b>121</b>
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**Bachelor of Science in Public Health Environmental Public Health Specialization**

**Suggested 4 year plan**

Autumn 1	Credit Hours
ENGLISH 1110.0X	3
MATH 1148 or 1150 (4 or 5 credits)	5
Historical and Cultural Studies GE	3
PUBHLTH 1100	1
PUBHLTH 2010	3
Total Hours	15

Spring 1	Credit Hours
CHEM 1210	5
PUBHEHS 3310	3
MATH 1149 (if 1148 was taken) or SELECTIVE	3
GE Natural Science (Biology GE recommended)	4
GENED 1201 (Launch Seminar)	1
Total Hours	16

Autumn 2	Credit Hours
PUBHHMP 3610	3
CHEM 1220	5
PUBHHBP 3510	3
PHYSICS 1200	5
Total Hours	16

Spring 2	Credit Hours
CHEM 2510	4
CHEM 2540	2
PUBHBIO 2210 or 2210H	3
PUBHEPI 2410	3
Total Hours	12

Autumn 3	Credit Hours
MICROBIOLOGY 4000.01 or .02	4
Race, Ethnic and Gender Diversity GE	3
EARTHSCI 2203	3
PUBHEPI 3411	3
Social and Behavioral Sciences GE	3
Total Hours	16

Spring 3	Credit Hours
Literary, Visual & Performing Arts GE	3
GE THEME COURSE: Citizenship for a Diverse and Just World	3
PUBHEHS 3320	3
PUBHEHS 4530	3
Elective ( <i>if needed to reach 121 credit hours</i> )	3
Total Hours	15

Autumn 4	Credit Hours
PUBHLTH 3180 (Capstone Prep)	1
GE THEME COURSE	3
Select one of three Interdisciplinary EPH specialization courses	3
SELECTIVE	3
SELECTIVE	3
GE THEME COURSE: Citizenship for a Diverse and Just World	3
Total Hours	16

Spring 4	Credit Hours
Capstone Course (3191, 3999 or 4999)	2
GENED 4001 (Reflection Seminar)	1
PUBHEHS 5340	3
EARTHSCI 3411	3
PUBHEHS 5335	3
PUBHEHS 5315	3
Total Hours	15
Total Credit Hours	121