

**Major: Environmental Health**  
**Area of Emphasis: Advanced Science & Pre-Med (ASP)**

The ASP area of emphasis prepares students for graduate level work or professional school. Examples might include pre-master's of science, pre-PHD, pre-medical, pre-dental, pre-pharmacy, or pre-law.

**I. Foundation Courses (9 hours)**

ENGL 1101	(3)
ENGL 1102	(3)
MATH 1113	(3)

**II. Sciences (8 hours)**

Physical: CHEM 1211/L	(4)
Life: BIOL 1107/L	(4)

**III. Quantitative Reasoning (4 hours)**

BIOS 2010 preferred	(4)
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**IV. World Languages, Culture, Humanities, & Arts**

World Languages and Culture	(9)
Humanities: COMM 1110	(3)

**V. Social Sciences (9 hours)**

HIST 2111 or 2112 (preferred)	(3)
POLS 1101 (preferred)	(3)
See bulletin for approved courses	(3)

**VI. Courses Related to Major (19 hours)**

BIOL 1108/L Prin of Biology II	(4)
CHEM 1212/L Freshman Chemistry II	(4)
CHEM 2211/L Modern Organic Chem I	(4)
EHSC 2100 Environmental Physiology	(3 Sp)
PHYS 1111/L Introductory Physics I	(4)

**Major Requirements (36-37 hours)**

CPH Core

EPID 4070 Foundations of Epidemiology	(3)
HPAM 3600/E Introduction to Health Policy	(3)
HPRB 3010 Health Promotion in Public Health	(3)

EHS Core

EHSC 3060/E Intro to Environmental Health	(3)
EHSC 3910 Internship in EHS	(3)
EHSC 4080 Environmental Air Quality	(3 Sp)
EHSC 4150 Solid & Hazardous Waste Mgmt.	(3 F)
EHSC 4490 Environmental Toxicology	(3 F)
EHSC 4910 Environ Health Seminar	(1)

Science Core

CHEM 2212/L Modern Organic Chemistry II	(4)
MIBO 3500/E Microbiology	(3-4)
PHYS 1112/L Introductory Physics II	(4)

**General Electives (5-6 hours)**

FYOS 1001	(1)
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**Physical Education Requirement \*not in 120 total hours**

PEDB Choice of PE offered	(1)
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**Major Electives (18 hours) \*6 hours must be EHSC**

EHSC Electives

EHSC 3950 Training/Hazard Waste Workers	(2 Su)
EHSC 4090 Bioremediation	(3 Sp-E)
EHSC 4100/L Industrial Hygiene	(3 F)
EHSC 4200 Climate Change & Public Health	(3)
EHSC 4310/L Environ. Microbiology	(4 Sp)
EHSC 4350/L Environ. Chemistry	(3)
EHSC 4400 Environ. Issues in Devel. World	(3 Sp,Su)
EHSC 4610 Water Pollution & Human Hlth	(3 F-O)
EHSC 4700 Genetic Applications in EHS	(3)
EHSC/ENTO 3590/L Urban Entomology	(4 Sp)
EHSC/ENVM 4250/L Environmental Law	(3 Sp)
EHSC/FDST 4320/L Food Sanitation	(3 F)
EHSC 3700/4960R Research (not part of 6 hrs)	(3 - 6)

Science Electives

BCMB 3100 Intro Biochem & Molec Biol	(4)
CBIO 3000/L Vertebrate Anatomy	(4)
CBIO 3200L Medical Anatomy	(1-3)
CBIO 3400 Cell Biology	(4)
CBIO/MIBO/IDIS 4100 Immunology	(3)
GENE 3200/D Genetics	(4)
GENE 4050 Behavior Genetics	(3)
IDIS 3100(H) People, Parasites, Plagues	(3)
MATH 2250 Calculus	(4)
PBIO 3010 Fungi: Friends and Foes	(3)

\*Additional electives approved by undergraduate coordinator.



## Approved Non-EHSC Courses for Major Electives:

AAEC 4720 Food Security, Econ. Development & Environ  
AAEC 4800 Water Resource Economics  
BCMB 3100 Intro to Biochemistry  
BCMC 4200 Biotechnology  
BIOL 3110L Basic Skills in the Laboratory  
BIOS 3000 Intermediate Biostat. For Public Health  
CHEM 2300/2300L Quant. Analysis Chemistry  
CHEM 3300 Modern Instrumental Methods  
COMM 3320 Environmental Communication  
COMM 4610 Health Communication  
CRSS(ECOL) 4930 Agroecol Tropical America  
CRSS(ECOL) 4930 Agroecol Tropical America Fld Trp  
DMAN 3100 Disasters and Society  
ECOL(BIOL)3500/3500L Ecology  
ECOL(BIOL)3510 Ecology Laboratory  
ECOL 3530/3530D Conservation Ecology  
ECOL 4150L Population Biology of Infectious Diseases  
ECOL(FORS) 4310/4310L Limnology  
EETH 4020 Readings in Environmental Ethics  
EETH 4200 Environmental Concepts  
ENGR 4480 Instrumentation for Environmental Quality  
ENTO 4250/4250L Pesticides/Transgenic Crops  
ENTO 3650/3650L Medical Entomology  
ENVM 3060/E Principles of Resource Economics  
ENVM(EHSC) 4250 Environmental and Public Health Law  
ENVM 4380 Environmental Management and Sustainable Business Practices  
EPID 3100 Health Data Fluency and Management for Public Health Research and Practice  
EPID 4200 Epidemiological Aspects of Global Health  
FDST 4051E Food Law and Regulation  
FORS 3910/3910L Spatial Info in Natural Res  
FORS 4110 Forest Hydrology  
FORS 4120 Quantitative Methods in Hydrology  
FORS 4130 Field Methods in Hydrology  
FORS 4140/4140L Introduction to Wetlands  
FORS 4160/4160L Environmental Monitoring  
FORS 4330/4330L Water Quality Mgmt Fish and Aquaculture  
FORS 4370/4370L Fish Physiology  
GENE 3200 Genetics  
GEOG 4370/4370L Geog Info Sci (GIS)  
GEOG 4470 Analysis in GIS  
GEOL 3150 Coastal Processes/Conservation  
GEOL 3220 Water Issues in GA  
GEOL 4220 Hydrogeology  
GLOB 3100 Introduction to Global Health  
(or) GLOB 3200 Global Health and the Links among Food Culture, and Disease  
(or) GLOB 4960 Research in Global Health  
HPAM 4100 The Age of Human and Social Capital  
IDIS 4220 Pathogenic Bacteria  
MARS 3000 Coastal Zone and Marine Law  
MARS 3450/3450L Marine Biology  
MATH 2200 Analytic Geometry/Calculus  
P BIO 3010 Fungi: Friends and Foes  
P BIO 4670 Plant Molec Responses Environ  
SOCI 3400 Environmental Sociology

## Double Dawg Students:

If you are pursuing a Double Dawg program with an undergraduate degree in environmental health and the Master of Public Health degree, the following courses are typically the graduate level courses you should consider. Please double check with your advisor for an approved plan.

- BIOS 2010 or BIOS 7010 or BIOS 7010E
- EPID 4070/E or EPID 7010 or EPID 7010E
- HPAM 3600/E or HPAM 7010 or HPAM 7010E
- HPRB 3010 or HPRB 7010 or HPR 7010E

\*Graduate courses are preferred for Double Dawg program participants only. Please work with an advisor to choose your four courses.

## Department of Environmental Health Science

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