



UGA Bachelor of Science in Environmental Health

The BSEH degree prepares students for graduate level work or professional school. Examples might include pre-Master of Science, pre-PHD, pre-medical, pre-dental, pre-pharmacy, or pre-law. It can also prepare students for work in the field of environmental health. College of Health Double Dawgs Master of Public Health programs are compatible with this degree.

FOUNDATION COURSES (9 credit hours)

ENGL 1101 English (3)
ENGL 1102 English (3)
MATH 1113 Pre-Calculus (3)

SCIENCES (8 credit hours)

Physical Sciences (4 credit hours)
CHEM 1211 Freshman Chemistry (3)
CHEM 1211 Freshman Chemistry Lab (1)

Life Sciences (4 credit hours)
BIOL1107/1107L Principles of Biology I (4)

QUANTITATIVE REASONING (4 credit hours)

BIOS 2010/2010L Biostatistics for Public Health (4)

WORLD LANGUAGE, CULTURE, HUMANITIES, AND THE ARTS (12 credit hours)

World Language and Culture (9 credit hours)
(student's choice; see Degreeworks for the current list)

Humanities and the Arts (3 credit hours)
COMM 1100 Introduction to Public Speaking (3)

SOCIAL SCIENCES (9 credit hours)

POLS 1101 American Government (3)
HIST 2111 American History to 1865 or HIST 2112 American History since 1865 (3)
(student's choice; see Degreeworks for the current list) (3)

RELATED TO MAJOR (21 credit hours)

BIOL 1108/1108L Principles of Biology II (4)
PHYS 1111/1111L Introductory Physics 1 (4)
CHEM 1212 Freshman Chemistry II (3)
CHEM 1212L Freshman Chemistry II Lab (1)
CHEM 2211 Modern Organic Chemistry I (3)
CHEM 2211 Modern Organic Chemistry I Lab (3)
EHSC 2100 Environmental Physiology (3)

MAJOR REQUIREMENTS/EHS CORE (39 hours)

EHSC 2020 Orientation to Environmental Health Science (1)
CHEM 2212 Modern Organic Chemistry II (3)
CHEM 2212L Modern Organic Chemistry II Lab (3)
PHYS 1112/1112L Introductory Physics 1 (4)
EHSC 3060 Introduction to EHS (3)
EHSC 4080 Air Quality (3)
EHSC 4150 Solid & Hazardous Waste Mngt. (3)

EHSC 4490 Environmental Toxicology (3)
EHSC 3910 Internship in EHS (3)
EHSC 4910 EH Senior Seminar (1)
EPID 4070 Fundamentals of Epidemiology (3)
HPAM 3600 Health Policy and Management (3)
HPRB 3010 Health Promotion in Public Health (3)
MIBO 3500/MIBO 3500L Introduction to Microbiology (3)

EHSC MAJOR ELECTIVES (6 credit hours)

Choose two courses from the following list of EHSC lecture courses.

EHSC 4090 Bioremediation (3)
EHSC 4200 Global Climate Change and Public Health (3)
EHSC 4310/4310L Environmental Microbiology (4)
EHSC 4350/4350L Environmental Chemistry (4)
EHSC 4400 Environ. Issues in the Developing World (3)
EHSC 4610 Water Pollution and Human Health (3)
EHSC 4700 Emerging Technologies: Genetic Applications in Environmental Health (3)

NON-EHSC MAJOR ELECTIVES, SPECIAL PROJECTS, AND RESEARCH (9 credit hours)

BCMB 3100 (for pre-med program) (4)
EHSC 3700 Special Problems in EHS (3)
EHSC 4960R-4990R Research in Environmental Health (3)
And/or choose nine credit hours of electives from an approved list page 2 (see Degreeworks for the current list)

GENERAL ELECTIVES (5-6 hours)

FYOS 1001 First Year Odyssey Seminar (1)
PEDB Physical Education (1)

*University requirements covered by the EHS curriculum:
Thirty-nine hours in Upper-Division Courses, Multicultural,
Experiential Learning, Environmental Awareness, and
Physical education requirements.*

Approved Non-EHSC Major Electives and Semesters Offered

Note: Others that are not listed that have a substantive portion of the course in Environmental Health can be approved on an individual basis. This can include courses on the main campus and study abroad courses.

AAEC 4720 Food Security, Econ. Development & Environ (F)
AAEC 4800 Water Resource Economics (F)
BCMB 3100 Intro to Biochemistry (F SP SU)
BCMC 4200 Biotechnology (SP)
BIOL 3110L Basic Skills in the Laboratory (F SP SU)
BIOS 3000 Intermediate Biostat. For Public Health (F SP SU)
CHEM 2300/2300L Quant. Analysis Chemistry (F SP)
CHEM 3300 Modern Instrumental Methods (FA SP)
CRSS(ECOL) 4930 Agroecol. Tropical America (SP)
CRSS(ECOL) 4930 Agroecol. Tropical Amer. Field Study (SU)
ECHD 4015 (Environmental Psychology (SU)
ECOL(BIOL)3500/3500L Ecology (F SP SU)
ECOL(BIOL)3510 Ecology Laboratory (F SP)
ECOL 3530/3530D Conservation Ecology (F)
ECOL 4150L Population Biology of Infectious Diseases
ECOL(FORS) 4310/4310L Limnology (F)
EETH 4200 Environmental Concepts (F)
EHCD Environmental Psychology (SU)
ENGR 4480 Instrumentation for Environmental Quality (F)
ENVE 4730 Environmental Justice Evidence and Impact (Every year F or Sp)
EPID 4200 Epidemiological Aspects of Global Health (F, SP)
FORS 4110 Forest Hydrology (SP)
FORS 4120 Quantitative Methods in Hydrology (F)
FORS 4130 Field Methods in Hydrology (SP)
FORS 4140/4140L Introduction to Wetlands (SP)
FORS 4160/4160L Environmental Monitoring (F)
FORS 4330/4330L Water Quality Mgmt. Fish and Aquaculture (F)
FORS 4370/4370L Fish Physiology (F)
GENE 3200 Genetics (F SP SU)
GEOG 4370/4370L Geog. Info Sci (GIS) (F SP SU)
GEOG 4470-Analysis in GIS (F SP)
GEOL 3150 Coastal Processes/Conservation (F-odd)
GEOL 3220 Water Issues in GA (F)
GEOL 4220 Hydrogeology (F)
GLOB 3100 Introduction of Global Health (F)
GLOB Global Health and the Links among Food, Culture, and Disease
GLOB 4960 Research in Global Health
HPAM 4100 The Age of Human and Social Capital (even yrs.)
IDIS 4220 Pathogenic Bacteria (F)
MARS 3000 Coastal Zone and Marine Law (F)
MARS 3450/3450L Marine Biology (SP)
MATH 2200 Analytic Geometry/Calculus (F SP SU)

PBIO 3010 Fungi: Friends and Foes (SP)
PBIO 4670 Plant Molecular Responses Environ (F-even)
COMM 3320 Environmental Communication (SP)
COMM 4610 Health Communication (F)
SOC 3400 Environmental Sociology (F SP)