

ENVIRONMENTAL PROGRAM (ENV)

Interdisciplinary Program

The Wake Forest Environmental Program offers Bachelor of Arts Degrees in Environmental Science and Environment and Sustainability Studies, and minors in Environmental Science and Environmental Studies.

The Environmental Program provides an interdisciplinary approach to the study of human-environment interaction. The program seeks to identify and apply perspectives from biology, chemistry, physics, geography, government, economics, history, humanities, law, ethics, and anthropology to the human impact on the natural environment. The majors and minors are designed to prepare students for careers in the environmental sciences, law, public health, public policy, and public administration, and to develop attitudes and values consistent with a sustainable environmental future.

Policies for the Majors and Minors and other Programs of Study

1. The Bachelor of Arts in Environment and Sustainability, regardless of track, cannot be used as a double major with Biology (<https://bulletin.wfu.edu/undergraduate/departments-programs/biology/#programstext>), Biochemistry and Molecular Biology (<https://bulletin.wfu.edu/undergraduate/departments-programs/biochemistry-molecular-biology/bs-biochemistry-molecular-biology/>), or Chemistry with a concentration in Biochemistry (<https://bulletin.wfu.edu/undergraduate/departments-programs/chemistry/bs-chemistry-concentration-biochemistry/>).
2. A Biology major can elect the minor in Environmental Studies. A Biology major can also elect the minor in Environmental Science, however ENV 220/BIO 220 cannot be counted toward both the Biology major requirements and the Environmental Studies Minor.
3. Because of the number of shared courses, an Environment and Sustainability Studies major cannot declare the Biology minor.
4. Students can minor in both Biology and Environmental Science or Environmental Studies.

Contact Information

Environmental Program (<http://college.wfu.edu/environment/>)

Programs Majors

- Environment and Sustainability Studies, BA (<https://bulletin.wfu.edu/undergraduate/departments-programs/environmental-program/ba-environmental-sustainability-studies/>)
- Environmental Science, BA (<https://bulletin.wfu.edu/undergraduate/departments-programs/environmental-program/ba-environmental-science/>)

Minors

- Environmental Science, Minor (<https://bulletin.wfu.edu/undergraduate/departments-programs/environmental-program/minor-environmental-science/>)

- Environmental Studies, Minor (<https://bulletin.wfu.edu/undergraduate/departments-programs/environmental-program/minor-environmental-studies/>)

Courses

Environmental Program (ENV)

ENV 201. Environmental Issues. (3 h)

Topics include environmental literature, environmental history, human populations, resource management, pollution, global change, environmental activism and environmental ethics.

ENV 202. Environmental Solutions. (3 h)

Learn how to improve our environment by identifying and exploring innovative environmental solutions. Counts towards Environmental Minor requirements.

ENV 203. Leadership for Sustainability. (3 h)

Sustainability Ambassadors are student peer educators for sustainability. The mission of the Sustainability Ambassadors program is to support the development of sustainable behaviors among the student population at Wake Forest University. Through outreach activities, campaign development, event planning, sustainability assessments, and presentations, Sustainability Ambassadors are able to reach Wake students in a variety of settings. They help fulfill the Office's mission of empowering others to assume leadership roles in sustainability.

ENV 220. Introduction to Earth Science. (3 h)

Oceans, weather, climate, earthquakes, volcanoes, soil, and space all play important roles in our dynamic planet. Students will explore the lithosphere, hydrosphere, atmosphere, and biosphere, and gain a deeper understanding of how the Earth operates as a whole. Also listed as BIO 220. P-requires BIO 150, 150L, 160, and 160L if taken as BIO 220.

ENV 230. Environmental Ethics. (3 h)

Explores the complex relationships between ecosystems, cultures, and related moral imaginations. It reviews various ways in which humans have imagined the natural world and their ethical obligations toward it (if any).

ENV 301. Topics in Environmental Studies. (1-4 h)

Seminar and/or lecture courses in selected topics, some involving laboratory instruction. May be repeated if the course title differs.

ENV 302. Topics in Environmental Studies. (1-4 h)

Seminar and/or lecture courses in selected topics, some involving laboratory instruction. May be repeated if the course title differs.

ENV 303. Topics in Environmental Studies. (1-4 h)

Seminar and/or lecture courses in selected topics, some involving laboratory instruction. May be repeated if the course title differs.

ENV 304. Topics in Environmental Studies. (1-4 h)

Seminar and/or lecture courses in selected topics, some involving laboratory instruction. May be repeated if the course title differs.

ENV 305. Topics in Environmental Studies. (1-4 h)

Seminar and/or lecture courses in selected topics, some involving laboratory instruction. May be repeated if the course title differs.

ENV 306. Topics in Environmental Studies. (1-4 h)

Seminar and/or lecture courses in selected topics, some involving laboratory instruction. May be repeated if the course title differs.

ENV 391. Individual Study. (1.5 h)

A field study, internship, project or research investigation carried out under the supervision of a member of the environmental program faculty. Pass/fail or for a grade at the discretion of the instructor. Pass/fail is not an option if used as an elective for the environmental science or environmental studies minor.

ENV 392. Individual Study. (1.5 h)

ENV 394. Environmental Internship. (1-4 h)

Supervised internships with governmental agencies, nonprofit organizations and businesses.

ENV 395. Sustainability Lab/Clinic. (4 h)

Focuses on practical solutions to sustainability problems, and includes the use of makerspace, the fabrication lab, and the visualization lab.

Faculty

Director:

Eric Stottlemeyer (English Department/Office of the Dean of the College)

Core Faculty:

Jim Curran (Biology Department)

Lucas Johnston (Department for the Study of Religions)

Miles Silman (Biology Department)

Affiliate Faculty:

E. Mark Curtis (Economics Department)

Courtney Di Vittorio (Department of Engineering)

Robert Erhardt (Mathematics and Statistics Department)

Meredith Farmer (English Department)

Sheri Floge (Biology Department)

Andrius Galisanka (Department of Politics and International Affairs)

Frederick Harris (School of Business)

Rowie Kirby-Straker (Communication Department)

Abdou Lachgar (Department of Chemistry)

Michael Lamb (Interdisciplinary Humanities)

Jed Macosko (Physics Department)

Judith Madera (English Department)

Stan Meiburg (Sustainability Program)

Monique O'Connell (Department of History)

David Phillips (Interdisciplinary Humanities)

Paúl Pauca (Computer Science Department)

Scott Schang (Law School)

Paul Thacker (Department of Anthropology)

Alessandra Von Burg (Communication Department)

Ron Von Burg (Communication Department)

Kyana Young (Department of Engineering)