ENVIRONMENTAL STUDIES MAJOR

MAJOR DESCRIPTION

Environmental studies is a multidisciplinary, integrative study of a broad range of environmental issues. Environmental science (such as climatology or conservation biology) is one aspect, but environmental studies also brings together the spectrum of foci that are necessary to solve, evaluate, comprehend, and communicate environmental issues. Thus, environmental studies includes ethics, philosophy, economics, government, policy, history, humanities, art, film, sciences, and writing.

For students to engage in contemporary environmental issues, they must obtain expertise in the area of their major and gain broader perspectives in environmental studies through a set of introductory and elective courses that increase the breadth of their understanding to complement their specialty. The aim of the program is to graduate students who have both a specialty and breadth of perspective so that they can interpret environmental information; understand the linkages to social, political, or ethical issues; and formulate well-reasoned opinions.

The linked-major program in environmental studies (ENVS) is the secondary major to a primary major. Students cannot obtain the BA degree with ENVS as their only major. Students must complete all the requirements for graduation from their primary major in addition to those of ENVS as their linked major. Each student will work closely with an ENVS advisor to develop an individual course of study. ENVS requires an introductory course, a set of elective courses, the senior colloquium, and a senior capstone project (thesis, essay, performance, etc.) on an environmental topic. In addition, students must take one course in any subject that fulfills Wesleyan’s essential capability in writing. For the classes of 2023 and 2024 the set includes the mandatory Sophomore Seminar (ENVS 201) and six electives. For the classes of 2025 and beyond the set includes seven elective courses.

Environmental studies is also offered as a minor (https://catalog.wesleyan.edu/minors/ugrd-envs-mn/).

ADMISSION TO THE MAJOR

One of the following introductory courses serves as the gateway to the ENVS linked-major program:

- ENVS 197/BIOL197/E&ES197 (it does not matter how you register for the course)
- ENVS 219
- ENVS 155
- E&ES199
- Environmental Science AP Exam 4 or 5

MAJOR REQUIREMENTS

MAJOR REQUIREMENTS for the Classes of 2023 and 2024

- One intro course (ENVS 197, ENVS 219, E&ES 199, E&ES 155), or 4 or 5 on AP Environmental Science Exam
- Sophomore Seminar ENVS 201
- Three core electives, one from each of the three areas noted here:
  - Core Area 1 Environmental Justice, Philosophy & Ethics
  - Core Area 2 Economics, Policy and Law
  - Core Area 3 Natural Sciences
- Three additional electives, whether or not designated as Core 1, 2 or 3 (see Comprehensive List of Core and Additional Electives Offered since 2017, link above)
- Two semesters of the senior colloquium: ENVS391 and ENVS392
- A senior capstone project course
- With the exception of BIOL197/E&ES197/ENVS197, ENVS 188, E&ES199, E&E 155, PHYS105, all other courses must be at 200 level or higher; two should be at the upper level of academic study (often 300-level or higher)
- Up to two courses that are either student forums or research tutorials may be substituted for non-core electives
- Up to three courses can count as electives if used for another major
- One course in any subject that fulfills Wesleyan’s essential capability in writing

MAJOR Requirements for the Classes of 2025 & beyond

- One intro course (ENVS 197, ENVS 219, E&ES 199, E&ES 155) or 4 or 5 on AP Environmental Science Exam
- Three core electives, one from each of the three areas noted here:
  - Core Area 1: Environmental Justice, Philosophy & Ethics
  - Core Area 2: Economics, Policy and Law
  - Core Area 3: Natural Sciences
- See below: Comprehensive List of Core and Additional Electives Offered Since 2017
- Four additional electives, whether or not designated as Core 1, 2 or 3 (see Comprehensive List of Core and Additional Electives Offered since 2017 (https://bit.ly/wes-envs/))
- Four core or electives courses must cohere into an environmental theme of your choice (e.g., climate change, food security, environmental justice, etc.)
- Two semesters of the senior colloquium: ENVS391 and ENVS392
- A senior capstone project course
- With the exception of BIOL197/E&ES197/ENVS197, ENVS 188, E&ES199, E&ES 155, PHYS105, all other courses must be at 200 level or higher
- Up to two courses that are either student forums or research tutorials may be substituted for non-core electives
- Up to three courses can count as electives if used for another major
- One course in any subject that fulfills Wesleyan’s essential capability in writing

Please note: Below is a list of Core 1, 2, 3 electives offered in 2022-23. The most updated Core 1, 2, 3 course information for 2022-23 and a comprehensive list of all core and additional electives since 2017 can be found at https://bit.ly/wesenvs/ (https://bit.ly/wes-envs/).

CORE ELECTIVES AREA 1 (ENVIRONMENTAL JUSTICE, PHILOSOPHY, AND ETHICS)

Fall Semester 2022
ENVS282 Sustainable Agriculture and Food Systems
ENVS295 Saving Animals: The Politics of Rescue, Captivity, and Care
STUDENT LEARNING GOALS

- Competence beyond the major-track introductory level in interpreting environmental information
- Develop a deeper understanding of the complex connections between environmental issues and social or political issues

METHOD OF EVALUATION

Self-assessment. Upon entering the major, students will write a one-page self-assessment. This assessment will be posted to the student’s electronic portfolio and made available to the student’s advisor. In the assessment, students will describe their reasons for selecting the major, their current strengths and weaknesses with respect to environmental studies, and their personal goals within the major, including plans for a concentration. They will be encouraged to integrate the program’s learning goals in their self-assessment.

Students will periodically meet with their environmental studies advisor to reflect on their progress in the major, using their self-assessment as a frame of reference. At minimum, these meetings will occur once per semester during the course scheduling period. Because environmental studies is inherently multidisciplinary and because every student is linked to a primary major, ENVS student trajectories within the major are highly individualized. The self-assessment will make these plans explicit, and will help both the student and advisor chart the most successful path through the major.

Senior capstone and senior colloquium. Every major completes a capstone project during their senior year. The format of the capstone is typically determined by the student’s primary departments (e.g., thesis, essay, performance, exhibit). The purpose of the capstone experience is to challenge students to think creatively, deeply, and originally about an environmental issue and to produce a significant work that uses their expertise from their primary major. Students formally propose their capstone projects at the end of their junior year, and the proposals are evaluated and approved by the Chair of ENVS. Several times throughout their senior year, students present progress reports of their projects in the senior colloquium; faculty and student-peers attending the colloquia provide feedback for improvement. Finished capstone projects that are written under the auspices of the student’s primary major are evaluated by the primary major department; capstones written for ENVS are evaluated by the ENVS program.

Senior reflection. As a bookend to the self-assessment, seniors will be asked to reflect on their experiences in the major. They will analyze their personal development in environmental studies and how the program impacted their development. These reflections will be recorded in the form of a questionnaire. Also, during one of the final colloquia in the spring, students will be encouraged to share their thoughts in a group setting and this will be recorded.

HOW THE DEPARTMENT/PROGRAM USES ASSESSMENT INFORMATION

The self-assessment and the subsequent iterative process between student and advisor of discussing the assessment will help to maximize student success in the program. The capstone projects and, more informally, the oral presentations in the senior colloquium, will help the ENVS faculty evaluate the success of the curriculum in fulfilling the learning goals of the program. Both the iterative process of the self-assessment and the senior reflection will help inform curricular needs. For a multidisciplinary program with its faculty spread across all three divisions, the three common experiences (self-assessment, senior capstone/senior colloquium, and senior reflection) will be critical for the

ADDITIONAL INFORMATION ON MAJOR REQUIREMENTS

- With the exception of the introductory courses, 100-level courses do not count toward the major.
- Up to three courses from the primary major may be counted toward the ENVS linked major.
- Students may substitute two reading or research tutorials, or one tutorial and one student forum, for two electives with approval of the ENVS advisor.
- Up to three credits from study abroad programs may be used for non-core elective courses, with prior approval of the ENVS advisor and as long as the credits from abroad are accepted by Wesleyan.
- One course in the student’s entire curriculum must satisfy the essential capability for writing.
- With the approval of the advisor and a written petition by the student, certain internships (e.g., Sierra Club, state agency, EPA, NOAA) may be substituted for one non-core elective.

CORE ELECTIVES AREA 2 (ECONOMICS, POLICY AND LAW)

Spring Semester 2023
GOVT329 International Political Economy
PHIL283 Animal Law and Policy

CORE ELECTIVES AREA 3 (NATURAL SCIENCES)

Fall Semester 2022
ENVS329 Fire Ecology and Management
Biol216 Ecology
E&ES280 Introduction to GIS

Spring Semester 2023
ENVS344 Renewable Energy and Negative Emission Technologies
E&ES234 Geobiology
PHYS105 Calderwood Seminar in Public Writing: Radical Sustainability

Students will choose an additional three electives (Classes of 2023 and 2024) or four electives (Classes of 2025 and beyond) with their ENVS advisor. These electives may be selected from the entire list of electives since 2017 (see link in previous paragraph), in addition to those courses listed in core elective areas 1–3 above.
evaluation of both students and the program. Once a year, a committee will use information from these common experiences to discuss the state of the program. A summary of these discussions, including any recommendations for change, will be shared with the full ENVS faculty.

HONORS

SENIOR THESIS IN ENVIRONMENTAL STUDIES
Options for pursuing honors. Environmental Studies majors are required to complete a capstone project in their senior year. A senior thesis is one type of capstone project that will fulfill the ENVS major requirement. The other type of capstone is a Senior Essay (see Capstone Experience, category 3, below). You are strongly encouraged to pursue a capstone project, especially senior theses, in your primary major. You should consult with faculty in your primary major about qualifications and procedures for undertaking a senior thesis in your primary major.

Circumstances may arise that prevent you from pursuing a senior thesis in your primary major. It may be possible for you to undertake a senior thesis in Environmental Studies. A senior thesis in Environmental Studies will be approved only if (1) the student’s primary major department/program is unable to provide a suitable advisor, or (2) the subject is deemed to fall outside the strict purview of that department/program.

You must receive approval prior to registering for a senior thesis in Environmental Studies in the fall of your senior year, during drop/add. Two signatures of approval will be required for you to proceed with a senior thesis in Environmental Studies: (i) your thesis tutor and (ii) the Chair of Environmental Studies.

Environmental Studies Major. Your thesis prospectus must contain the main questions or thesis of the project, a statement of importance of the project and how you intend to carry out the project. Please also indicate who will serve as mentor for the project. That person must also send an email approving the basis for your project at this early date.

Please send your thesis proposal and ask your thesis mentor to send an email of approval for your project to Chair of Environmental Studies and Director of the College of the Environment Barry Chernoff at bchernoff@wesleyan.edu. The Chair of ENVS will consider your application for approval. You, your tutor, and your ENVS advisor will be informed of the Chair’s decision. For any case that is unclear (e.g., suitability of the topic for ENVS), the Chair may consult with the College of the Environment Governing Board.

HONORS IN ENVIRONMENTAL STUDIES: ELIGIBILITY, CANDIDACY, AND BESTOWAL

Requirements for eligibility. To be eligible for honors in environmental studies you must (1) be an environmental studies major; (2) complete all courses that count towards the environmental studies linked major, calculated at the end of the spring semester of the junior year; and (3) have completed Stage I of the General Education Expectations.

Process for applying for admission to candidacy. To become a candidate for honors in environmental studies, you must meet the three eligibility conditions and also obtain official permission to undertake a senior thesis in environmental studies. The optimal time to try to find a faculty tutor and obtain permission is by the end of the spring semester of your junior year.

Once you have secured a thesis tutor and permission to undertake a senior thesis in environmental studies, you must enroll during the add/drop period of the fall semester of your senior year in ENVS409, "Senior Thesis Tutorial." You can’t include this tutorial in course planning during pre-registration; you have to add it during the in-semester add/drop period. You enroll in the tutorial electronically, following instructions in the Tutorial Manual on the Tutorial Registration page (http://www.wesleyan.edu/registrar/information/tutorial_registration.html) on the website of the Office of the Registrar. Enrolling in ENVS409 will indicate to the honors coordinator in the Office of the Registrar that you are an honors candidate from the standpoint of the University as well as Environmental Studies. Then, during the add/drop period of the spring semester of your senior year, you must enroll electronically (using the same procedure) in a second tutorial, ENVS410, which is also entitled "Senior Thesis Tutorial." Enrolling in ENVS410 will indicate to the honors coordinator in the Office of the Registrar that, just over halfway into your senior year at Wesleyan, you remain in good standing as an honors candidate from the standpoint of the University as well as the Department.

Finally, to actually receive honors in environmental studies, you must (1) complete the environmental studies linked major; (2) complete both Stage I and Stage II of the General Education Expectations; (3) write a thesis judged to be of honors quality; and (4) maintain a grade-point average of at least 90.00 in courses that count towards the environmental studies linked major through the first semester of your senior year.

Environmental Studies prohibits double honors for the same thesis.

UNIVERSITY HONORS REGULATIONS

To abide by Wesleyan’s university-level honors regulations, which are formulated by a university-wide faculty Honors Committee (http://www.wesleyan.edu/ acaf/governance/rosters.html) and detailed on the Honors webpages (http://www.wesleyan.edu/registrar/honors/honors_program.html) maintained by the Office of the Registrar, is a requirement for receiving honors in environmental studies. Especially useful are the Jellybean Papers (http://www.wesleyan.edu/ registrar/honors/jelly_bean_papers/) (so-called because they used to come in many colors), which will tell you how to register your thesis project with the coordinator of the university-wide Honors Program (http://www.wesleyan.edu/ registrar/honors/honors_program.html) at the beginning of your senior year. You may apply to the Thornridge Fund (http://www.wesleyan.edu/registrar/ honors/jelly_bean_papers/thornridge Fund.html) for help in paying the production costs of creating the bound copy of their thesis/essay you must deposit with Olin Library.

EVALUATION OF HONORS THESSES IN ENVIRONMENTAL STUDIES

Soon after theses are submitted, the honors coordinator will deliver electronic copies of your thesis to your thesis tutor and faculty committee. Your thesis will be evaluated by three faculty members: your thesis tutor and two readers designated by the department chair in consultation with your tutor. One reader will be close to your field and one will be further afield. Your tutor and readers will read the thesis, will write a commentary on it, will evaluate it independently as worthy of high honors, honors, or credit (no honors); will recommend a grade for the thesis tutorial. The evaluations will be sent automatically to the chair of Environmental Studies.

If the tutor and the readers agree that the thesis deserves honors, or if they agree that the thesis deserves credit (no honors), the chair of Environmental Studies in deliberation with the governing board of the College of the Environment, awards the thesis the grade that the tutor and readers agreed upon.

If the tutor and the readers disagree with respect to honors or no honors, the following procedure will be used. If there are two evaluations of honors and one of credit (no honors), the chair of Environmental Studies and the governing board of the College of the Environment will consider you for being honors in...
Environmental Studies. If there is one evaluation of honors and two of credit (no honors), the chair of Environmental Studies will bring the case to the governing board of the College of the Environment with the recommendation of credit (no honors).

The Environmental Studies Department has stringent regulations governing high honors. High honors will be considered by the chair of Environmental Studies and the governing board of the College of the Environment if (and only if) the tutor and the readers agree that the thesis deserves high honors. High honors in environmental studies requires unanimity among the three thesis-readers that the thesis deserves high honors. In this respect, it is more difficult to achieve high honors in environmental studies than it is to achieve high honors in many other departments or programs at Wesleyan.

When all comments and evaluations have been received by the Department and when your thesis and achievements have been deliberated by the governing board of the College of the Environment, the chair of environmental studies will submit in writing the evaluations (but not the comments or the tutorial grades) to the coordinator of the university-wide honors program. The administrative assistant records the honors recommendation electronically and retains a copy of the comments and the recommended tutorial grades.

**CAPSTONE EXPERIENCE**

The ENVS linked-major program provides a capstone experience that includes a senior project and a full year of senior colloquia. The purpose of the ENVS capstone experience is to challenge students to think creatively, deeply, and originally about an environmental issue and to produce a significant work that uses their expertise from their primary major. The students will then have the opportunity to present and discuss their research in the senior colloquium (ENVS391/ENVS392) with seniors and the faculty.

**Senior capstone project.** The creative exploration of a critical environmental issue through independent research is an essential part of ENVS. All ENVS majors must complete a senior capstone project in one of the four categories discussed below, though students are encouraged strongly to pursue a project in one of the first two categories. The topic must concern an environmental issue and must be approved in advance by the ENVS advisor and the Chair of ENVS. The student must be officially enrolled in one or more courses while they complete the research project. The students must submit to the director of ENVS no later than the last day of classes in the spring semester in their junior year a two page research prospectus on their planned course of research. This plan must be signed by the potential mentor of the senior research. The mentor does not have to be a member of the ENVS faculty.

- **Category 1.** The capstone project may take any of the forms accepted by the primary department as a senior project (e.g., senior thesis, senior essay, senior performance, senior exhibition, senior film thesis). The topic must be approved by the ENVS advisor and Chair of ENVS. The senior project is submitted only to the primary department and is not evaluated by ENVS. Students may select an interdisciplinary thesis topic such that they solicit the help of more than one mentor if permitted by the primary department.
- **Category 2.** The capstone project may be a thesis submitted in general scholarship. The student must have a mentor for the thesis, and the topic must be approved by the ENVS advisor.
- **Category 3.** In the event that the student cannot satisfy the conditions for the above categories, the student may register for and complete a senior essay in environmental studies (ENVS403/ENVS404). The mentor can be any Wesleyan faculty member and the topic must be approved by the ENVS advisor. If the student cannot find a mentor, then it will be the responsibility of the chair of environmental studies to find a suitable mentor or to serve as mentor. The due date for the senior honors thesis is set by the Office of the Registrar, usually in mid-April.

**Senior colloquium.** The ENVS Senior Colloquium provides students opportunity to discuss, workshop, and improve their senior capstone projects. Each student will present either a live or video recorded report on their capstone work once each semester. Before the presentation, the student will make available reading materials and questions they have about how to work through their most challenging issues. Students must be formally enrolled in the colloquium each semester of their senior year. Attendance at all senior colloquium classes is mandatory for all senior ENVS majors.

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the written work. The due date for the senior essay is set between the student and the mentor.

- **Category 4.** In the event that the student cannot satisfy the conditions for the above categories, the student may register for and complete a senior honors thesis in environmental studies (ENVS409/ENVS410). The mentor can be any Wesleyan faculty member and the topic must be approved by the ENVS advisor. If the student cannot find a mentor, then it will be the responsibility of the chair of environmental studies to find a suitable mentor or to serve as mentor. The due date for the senior honors thesis is set by the Office of the Registrar, usually in mid-April.