

BA IN ENVIRONMENTAL STUDIES

The Bachelor of Arts degree in Environmental Studies requires a minimum of 120 hours, including a minor. Students in this degree program take a broad, interdisciplinary approach that combines science with social science and humanities courses. Students are required to minor in a non-science discipline. This degree provides a foundation for students in the sciences that explain the human impacts to the environment, and the social and human dimensions of these issues including environmental politics, ethics, geography, and economics. Students with this degree are prepared for graduate school and career opportunities with federal and state regulatory agencies; wildlife and zoological parks; state, county and city parks; state natural resource agencies; university and secondary schools; and nonprofit and non-government organizations (NGOs).

For the Bachelor of Arts degree in Environmental Studies (ENST)

following courses are required:

EEES 1020	Introductory Geology Laboratory
EEES 2020	Introduction to Environmental Studies: Energy and Climate
EEES 2030	Introduction to Environmental Studies: Land and Water
EEES 2100	Fundamentals Of Geology
EEES 2150	Biodiversity
EEES 2160	Biodiversity Laboratory
EEES 2500	Computer Applications In Environmental Sciences
EEES 3050	General Ecology
EEES 3060	General Ecology Lab

EEES 4960	Senior Seminar
EEES 3900	Literature and Communication in the Environmental Sciences
EEES 4940	Internship

One of the Following:

EEES 3100	Surficial Processes	or	EEES 2400	Oceanography
-----------	---------------------	----	-----------	--------------

One of the following

EEES 4970	Senior Environmental Capstone	or	EEES 4980	Special Topics: BioDesign Challenge
-----------	-------------------------------	----	-----------	-------------------------------------

The following **Related** courses are also required:

ENGL 2950	Scientific Report Writing
MATH 2640	Statistics for Applied Science
CHEM 1090	Elementary Chemistry or CHEM 1100
PSC 4340	Environmental Policy
ECON 3240	Environmental Economics or ECON 3270 Natural Resource Economics
GEPL 3900	Environmental Planning
PHIL 3180	Environmental Ethics or PJS 2500 Peace Education

One of the following:

COMM 2600	Public Presentations, ENGL 3050 Persuasive Writing, ART 2800 Visual Literacy-Data Visualization, or HON 3010 Community Engagement.
-----------	--

The completion of the Environmental Studies Major requires a minor approved by your advisor. Common minors include Geography and

Planning (<http://utoledo-public.courseleaf.com/undergraduate/arts-letters/geography-planning/#programstext>), and Communications (<http://utoledo-public.courseleaf.com/undergraduate/arts-letters/communication/general-communication-minor/>).

Students also are required to complete a 100-hr environment-related internship (EEES 4940) in an agency, corporation, university laboratory or other approved location.

With the exception of EEES 4940 students may not take any courses required in the major as P/NC.

Below is a sample plan of study. Consult your degree audit for your program requirements.

First Year

First Term		Hours
NSM 1000	Natural Sciences & Mathematics	2
EEES 2020	Introduction to the Environment: Energy and Climate	3
ENGL 1110	College Composition I	3
	Cultural Experience	4
	Humanities Core	3
	Hours	15

Second Term

EEES 1020	Introductory Geology Laboratory	1
EEES 2100	Fundamentals Of Geology	4
EEES 2030	Introduction to the Environment Land-Use and Water	3
ENGL 1130	College Composition II: Academic Disciplines And Discourse	3
	Cultural Experience	4
	Hours	15

Second Year

Third Term

EEES 3100	Surficial Processes	3
	or EEES 2400 or Oceanography And Water Resources	
GEPL 3900	Environmental Planning	3
EEES 2500	Computer Applications In Environmental Sciences	1
CHEM 1090	Elementary Chemistry	3
	Social Science Core	3
	Humanities Core	3
	Hours	16

Fourth Term

EEES 2150	Biodiversity	4
EEES 2160	Biodiversity Laboratory	1
MATH 2640	Statistics for Applied Science	3
EEES 3900	Literature And Communications In The Environmental Sciences	3
	Multicultural	3
	Hours	14

Third Year**Fifth Term**

EEES 3050	General Ecology	3
EEES 3060	General Ecology Laboratory	1
PHIL 3180	Environmental Ethics	3
COMM 2600	Public Presentations	3
Minor Course		3
Minor Course		3
Hours		16

Sixth Term

ENGL 3050	Persuasive Writing	3
Writing Across the Curriculum		3
Multicultural		3
Minor Course		3
Elective		3
Hours		15

Fourth Year**Seventh Term**

EEES 4940	Internship	1-4
PSC 4340	Environmental Policy	3
EEES 4960	Senior Seminar	1
Minor Course		3
Minor Course		3
Elective		3
Hours		14-17

Eighth Term

ECON 3240	Environmental Economics	3
EEES 4970	Senior Environmental Capstone	3
Minor Course		3
Electives		6
Hours		15

Total Hours **120-123**

1. Students will be able to describe general taxonomic organization of life on earth and the evolutionary processes that underlie biological diversity.
2. Students will be able to explain how both abiotic factors, such as climate and pollution, and biotic factors, such as competition and disease, affect organisms, communities, and ecosystems.
3. Students will be able to describe how scientific and social (economic or political) factors constrain solutions to environmental quality problems;
4. Students will demonstrate an increase in their knowledge of the relationships between the biosphere, atmosphere, geosphere and hydrosphere in northwest Ohio.
5. Students will be able to explain how human activities impact the biosphere, atmosphere, geosphere, and hydrosphere in northwest Ohio.
6. Students will be able to identify science-based information or research that can contribute to communicating environmental issues to the public and contribute to solutions to environmental issues.
7. Students will be able to develop and propose informed solutions to environmental issues while taking into account economic considerations and political compromises.