

Environmental Studies

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Majors

The Major in Environmental Analysis

The environmental analysis major is a flexible, 49-credit program that focuses on developing critical skills and competencies in interdisciplinary environmental problem solving. It is ideal for students seeking interdisciplinary training focused on the environment and sustainability, and it is designed to stand alone or to complement another primary major.

Total units required: 49

Required courses (28 units):

- Choose three of the following (9 units):

Code	Title	Units
Biol 2950	Introduction to Environmental Biology	3
EEPS 201	Earth and the Environment **	4
EEPS 202	Introduction to Earth, Environmental, and Planetary Science **	3
EnSt 101	Earth's Future: Causes and Consequences of Global Climate Change (I60 course) *	3
EnSt 102	To Sustainability and Beyond: People, Planet, Prosperity *	3
EnSt 111	Environmental Racism and the Health of Everyone *	3
EnSt 215	Introduction to Environmental Humanities	3
EnSt 250	One Health: Linking the Health of Humans, Animals, and the Environment	3
EnSt 252	Sustainability in Business	3
Pol Sci 2010	Introduction to Environmental Policy	3

* Open to first-year students only. Per College rules for Beyond Boundaries courses, students are allowed to take one per semester; thus, students may count two toward the major.

** Students may count EEPS 201 or EEPS 202 toward the major.

- Required core courses in analysis and communication; choose four of the following (12 units):

Code	Title	Units
Anthro 428W	Original Research in Environmental Anthropology	3
Drama 214	Public Speaking: Embodied Communication	3
Drama 4081	Theater for Social Change	3
EnSt 315	Fallout: Analyzing Texts and Narratives of the Nuclear Era	3
EnSt 316	Beyond the Evidence	3
EnSt 350W	Writing Skills for Environmental Professionals	3
EnSt 357	Multiparty Environmental Decision Making	3
EnSt 364	Field Methods for Environmental Science	3
EnSt 380	Applications in GIS	3
EnSt 415W	Writing Home: Creating Cultural Guides for Environmental Site Workers	3
EnSt 481	Advanced GIS	3
IPH 3123	Introduction to Digital Humanities	3
Math 2200	Elementary Probability and Statistics	3
Math 3200	Elementary to Intermediate Statistics and Data Analysis	3

Note: Students may count a fifth analysis and communication course toward the depth electives.

- Required course in social identity and environment; choose one of the following (3 units):

Code	Title	Units
AAS 2010	The Roots of Ferguson: Understanding Racial Inequality in the Contemporary U.S.	3
EnSt 111	Environmental Racism and the Health of Everyone	3
GeSt 232	Intergroup Dialogue: Race/Ethnicity	3
SOC 2010	The Roots of Ferguson: Understanding Racial Inequality in the Contemporary U.S.	3
SOC 2110	Social Inequality in America	3
SOC 3212	The Social Construction of Race	3
SOC 2520	Inequality By Design: Understanding Racial/Ethnic Health Disparities	3

- Required interdisciplinary environmental capstone course; choose one of the following (3 units):

Code	Title	Units
EnSt 405	Sustainability Exchange: Community and University Practicums	3
EnSt 407	RESET - Renewable Energy Policy, Engineering and Business	3
EnSt 452	International Climate Negotiation Seminar	var.; max. 6

EnSt 539	Interdisciplinary Environmental Clinic	var.; max. 6
EnSt 498	Senior Honors Research	3

Note: Due to the intensity of these project-based courses, students may only take one per semester. Students may count a second capstone course toward the depth electives.

- Fourth-year reflection seminar (1 unit):

Code	Title	Units
EnSt 492	Environmental Studies Fourth-Year Reflection Seminar	1

Note: The purpose of this seminar is to create a written narrative portfolio that synthesizes, integrates, and reflects on the student's learning across the courses and experiences of the major. Reflection will occur through personal writing and discussion with peers in the course.

Elective Courses (21 units):

Students will choose depth and breadth elective courses from the three categories below: Social Sciences, Humanities and Arts, and Natural Science. Students must choose seven elective courses, with at least four courses from one category and at least one course in each of the other two categories. This requirement means that students can choose a 5/1/1 combination or a 4/2/1 combination from the elective categories.

The following flexibility is allowed regarding substitutions:

- Students may count a fifth analysis and communication course toward the depth electives.
- Students may count a second capstone course toward the depth electives.
- Students may request one course substitution outside of the electives listed below to take advantage of unique one-time or rarely offered courses.

Students must complete no fewer than 18 units of courses numbered 300 or above within the major with a grade of C- or better. There is no double counting of advanced (300- and 400-level) courses between two majors or between a major and a minor. This "no double-counting rule" also applies to students who are double majoring across schools.

- Social sciences electives:

Code	Title	Units
AMCS 299	The Study of Cities and Metropolitan America	3
Anthro 3215	Food, Culture, and Power	3
Anthro 3472	Global Energy and the American Dream	3
Anthro 3602	Environmental Inequality: Toxicity, Health, and Justice	3
Anthro 361	Culture and Environment	3
Anthro 3618	Urban Ecological Anthropology	3
Anthro 374	Social Landscapes in Global View	3
Anthro 379	Meltdown: The Archaeology of Climate Change	3

Econ 451	Environmental Policy	3
EnSt 251	Metropolitan Environment	3
EnSt 255	Systems Thinking	3
EnSt 310	Ecological Economics	3
EnSt 316	Beyond the Evidence	3
EnSt 346	Environmental Justice	3
EnSt 347	Sustainable Cities	3
EnSt 461	Intro to Environmental Law	3
EnSt 481	Advanced GIS	3
EnSt 482	Applications in Geospatial Intelligence	3
MGT 401M	Sustainable Development and Conservation Through Entrepreneurial Collaboration: Madagascar	3
MGT 402	Ethical Issues in Managerial Decision Making	1.5
MGT 460L	Introduction to Social Entrepreneurship	3
MGT 460M	Business of Social Impact	1.5
MPH 5002	Epidemiology	3
MPH 5323	TPS: Climate Change and Public Health	3
Pol Sci 363	Quantitative Political Methodology	3
Pol Sci 389A	Power, Justice and the City	3
Pol Sci 4043	Public Policy Analysis, Assessment and Practical Wisdom	3
Pol Sci 495	Research Design and Methods	3
SOC 3350	Poverty and the New American City	3
SOC 4810	Global Structures and Problems	3

* Students should request permission from the instructor to enroll in this course.

- Environmental humanities and arts electives:

Code	Title	Units
AFAS 288	Free the Land: Black Histories of Environmental Racism	3
AFAS 3075	Recipes for Respect: Black Foodways in the United States	3
AFAS 474	Black Geographies: Space, Place and Ecologies of Power	3
ARCH 209	Design Process	3
ART 318P	Photography: Art Practice (Art, Environment, Culture & Image)	3
Comp Lit 4111	Pastoral Literature	3
Drama 351	Intro to Playwriting	3
Drama 4081	Theater for Social Change	3
EnSt 315	Fallout: Analyzing Texts and Narratives of the Nuclear Era	3
EnSt 415W	Writing Home: Creating Cultural Guides for Environmental Site Workers	3
History 2561	Urban America	3

History 3194	Environment and Empire	3
IPH 312	Introduction to Digital Humanities	3
IPH 431	Statistics for Humanities Scholars: Data Science for the Humanities	3
Phil 235F	Introduction to Environmental Ethics	3
Writing 309	Writing the Natural World	3

EnSt 375	Urban Ecology	3
EnSt 481	Advanced GIS	3
EnSt 483	Introduction to Spatial Epidemiology	3
LAND 551A	Landscape Ecology	3

* This course has a prerequisite.

- Natural science electives:

Code	Title	Units
Anthro 3053	Nomadic Strategies and Extreme Ecologies	3
Anthro 3660	Primate Ecology, Biology, and Behavior	3
Anthro 3662	Writing for Primate Conservation Biology	3
Anthro 4285	Environmental Archaeology	3
Anthro 4803	Advanced GIS Modeling and Landscape Analysis	3
Biol 3171	Biology for Climate Change Solutions	3
Biol 3220	Woody Plants of Missouri	3
Biol 3221	Research and Public Education in the Arboretum	3
Biol 349	Microbiology	4
Biol 373W	Laboratory on the Evolution of Animal Behavior (Writing Intensive)	3
Biol 381	Introduction to Ecology	3
Biol 3900	Science for Agriculture and Environmental Policy	3
Biol 419	Community Ecology	3
Biol 4193	Experimental Ecology Laboratory	4
Biol 4195	Disease Ecology	4
EEPS 219	Energy and the Environment	3
EEPS 323	Biogeochemistry	3
EEPS 340	Minerals, Rocks, Resources and the Environment	4
EEPS 342	Environmental Systems	3
EEPS 385	Earth History	3
EEPS 386	The Earth's Climate System	3
EEPS 387	Geospatial Science	4
EEPS 407	Remote Sensing	3
EEPS 413	Introduction To Soil Science	3
EEPS 428	Hydrology	3
EEPS 454	Exploration and Environmental Geophysics	4
EnSt 364	Field Methods for Environmental Science	3
EnSt 365	Applied Conservation Biology	3