

Minor in Environmental Studies

This is an interdisciplinary program that integrates the natural and physical sciences with the social sciences and humanities to study current environmental problems resulting from human population growth, global climate change, overuse of natural resources, pollution and biodiversity loss. A minimum 18 hours are required, 9 of which must be in the natural and physical sciences, including the listed Honors College courses, and 9 must be from the social sciences and humanities. Both [BIOL 1202](#) (Environmental Biology) and [POL SCI 3480](#) Environmental Politics must be completed as part of the total 18 hours. A total of 12 hours must be taken at or above the 2000 level, with one additional [Biology](#) course at or above the 3000 [level](#). ~~level besides POL SCI 3480.~~ At least 9 hours must be taken while in residence at UMSL. A minimum GPA of 2.0 is required.

ANTHRO 1005	Introduction to Human Evolution	4
ANTHRO 2126	Archaeology Of Greater St Louis	3
ANTHRO 3228	Course ANTHRO 3228 Not Found	3
ANTHRO 3232	Course ANTHRO 3232 Not Found	3
ANTHRO 3270	Course ANTHRO 3270 Not Found	3
BIOL 1202	Environmental Biology	3
BIOL 1821	Introductory Biology: Organisms and the Environment (MOTR BIOL 150LEC)	5
BIOL 2102	Ecology	3
BIOL 2103	Ecology Laboratory	2
BIOL 2501	Course BIOL 2501 Not Found	5
BIOL 3202	Conservation Biology	3
BIOL 3203	Conservation Biology Laboratory	2
BIOL 3302	Evolution	3
BIOL 4102	Behavioral Ecology	3
BIOL 4192	Course BIOL 4192 Not Found	5
BIOL 4222	Course BIOL 4222 Not Found	3

<u>BIOL 4245</u>	Course BIOL 4245 Not Found	3
<u>BIOL 4270</u>	Global Climate Change	3
<u>BIOL 4402</u>	Ornithology	3
<u>BIOL 4403</u>	Ornithology Laboratory	2
<u>BIOL 4422</u>	Entomology	3
<u>BIOL 4423</u>	Entomology Laboratory	2
<u>BIOL 4501</u>	Course BIOL 4501 Not Found	5
<u>ECON 3500</u>	Course ECON 3500 Not Found	3
<u>ECON 4160</u>	Geospatial Analysis in the Social Sciences	3
<u>ECON 4170</u>	Fundamentals of Cost-Benefit Analysis	3
<u>ECON 4550</u>	Natural Resource Economics	3
<u>GEOL 1002</u>	Historical Geology	4
<u>HONORS 2050</u>	Inquiries in the Natural Sciences	1-3
<u>HONORS 2051</u>	Inquiries in the Sciences: Laboratory or Field Work	1
<u>INTL BUS 4281</u>	Course INTL BUS 4281 Not Found	3
<u>PHIL 2256</u>	<u>Bioethics</u>	<u>3</u>
<u>PHIL 2255</u>	Environmental Ethics	3
<u>POL SCI 3480</u>	Environmental Policy	3
<u>POL SCI 3595</u>	Course POL SCI 3595 Not Found	3
<u>POL SCI 3850</u>	International Organizations and Global Problem-Solving	3
<u>POL SCI 3900</u>	Special Readings	1-10

Students may substitute the above courses with other courses upon approval by the director of the minor.

If other departments are affected by this proposal, please secure "sign-offs" and indicate for each department the following:

Department	Contact Person	Phone #	Objections
Anthropology	Patti Wright	x6648	No
Economics	Michael Allison	x5306	No
Political Science	Dave Robertson		No

Department	Contact Person	Phone #	Objections
Anthropology	Susan Brownell		No
Economics	Lea Kosnik		No
Political Science	David Kimball		No

Program Learning

Outcomes

Learning Outcomes

[Foundational Knowledge: Students obtaining a minor in environmental studies will be able to integrate knowledge from multiple disciplines including natural sciences, physical sciences, social sciences, and economics as they pertain to environmental issues and policies.](#)

[Practical skills and problem solving : Students earning a minor in environmental studies will be able to appreciate the biological methods and applications to solving environmental issues while recognizing the cultural and ethical context of environmental issues. Moreover, the minor will be able to reflect on his or her contribution as a citizen and consumer to global environmental issues.](#)

Attachments [Environmental Studies Curriculum Map.pdf](#)

This program will be developed with the intention of delivery in the following delivery modes (choose all that apply)

[Face to face](#)

Justification for request:

This interdisciplinary minor has been a disaster to maintain. All involved departments keep changing their course offerings so often that it is not possible (or very difficult) to compete the minor. Specifying a pool of elective courses becomes a nuisance when departments decide not to offer classes on the list often enough (or at all) to complete this program. Hence, we have updated the elective list to include classes that historically are offered routinely and deleted any courses that are no longer available. More importantly, we have changed the "required" pool of elective classes to "suggested" classes while adding approval from the home department director (Meg Humphries in Bio). This should eliminate issues of canceled or archived classes and should prevent us from having to update the list of elective classes yearly.