

Undergraduate Certificate in Conservation Biology

The Certificate in Conservation Biology is a multidisciplinary program of study integrating theoretical and applied topics associated with conservation biology. The certificate is intended for undergraduate students with majors in biology or in any other field who wish to develop a specialization in conservation. The certificate is offered by the Department of Biology in cooperation with the departments of Anthropology, Economics, History, Philosophy, and Political Science. Building on a core curriculum, students can elect courses from these departments to complete their requirements. Regularly enrolled undergraduates at UMSL or individuals with baccalaureate degrees who wish to receive a Certificate in Conservation Biology are eligible to participate in the conservation certificate program. To participate, students should design their program in consultation with their regular academic advisor and the Biology faculty professor of record for the certificate program. Individuals with baccalaureate degrees who are interested in this certificate must apply to the university as unclassified undergraduates. The certificate requires completion of 21 credit hours, outlined below. Students should consult the Bulletin with regard to prerequisites for any of the courses listed here.

Core Courses

Biology

BIOL 2102	General Ecology	3
BIOL 3202	Conservation Biology	3
BIOL 3203	Conservation Biology Laboratory	2
BIOL 4299	Practicum In Conservation	2

Electives

The remaining 11 credits must be selected from courses listed below. Five credits must be taken from within biology and 6 credits outside biology, from at least two departments. 11

Anthropology

ANTHRO 2120	Native Peoples of North America
ANTHRO 2126	Archaeology of Greater St. Louis
ANTHRO 2131	Archaeology of Missouri
ANTHRO 2132	Archaeology of North America
ANTHRO 3228	People and Plants
ANTHRO 3232	Environmental Archaeology
ANTHRO 3270	Human Ecology, Culture and Collapse, and Sustainable Development

Biology

BIOL 4102	Behavioral Ecology
BIOL 4182	Population Biology
BIOL 4192	Applications of Geographic Information Systems
BIOL 4245	Field Biology
BIOL 4402	Ornithology
BIOL 4403	Ornithology Laboratory
BIOL 4422	Entomology
BIOL 4423	Entomology Laboratory
BIOL 4501	Flowering Plant Families: Phylogeny And Diversification

Economics

ECON 3500	The Economics of Government Spending and Taxation
ECON 4160	Geospatial Analysis in the Social Sciences
ECON 4170	Fundamentals of Cost-Benefit Analysis
ECON 4550	Natural Resource Economics
History	
HIST 3000	Selected Topics In History (when appropriate)
Philosophy	
PHIL 2255	Environmental Ethics
Political Science	
POL SCI 3480	Environmental Politics
POL SCI 3590	Women and Leadership World-Wide: Breaking the Glass Ceiling
POL SCI 3850	International Organizations And Global Problem-Solving
Total Hours	