

Undergraduate Certificate in Conservation Biology

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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**, ~~Social Work, and Sociology~~. 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 must apply to the Biology faculty professor of record for the** certificate program. ~~Application forms are available from the Biology Department.~~ Guidelines for admission to the certificate program are also available. 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, Cultural Collapse, and Sustainable Developments

Biology

~~BIOL 3123 Tropical Resource Ecology Field Studies~~

BIOL 4102 Behavioral Ecology

~~BIOL 4112 Evolution Of Animal Sociality~~

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 3300	International Economic Analysis
ECON 3301	Course ECON 3301 Not Found
ECON 4550	Natural Resource 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
History	
HIST 3000	Selected Topics In History
Political Science	
POL SCI 3480	Environmental Policy
POL SCI 3590	Women and Leadership World-Wide: Breaking the Glass Ceiling
POL SCI 3850	International Organizations And Global Problem-Solving
POL SCI 4510	Comparative Public Policy And Administration
Total Hours	21

Sign-offs from other departments affected by this proposal

Department	Contact Person	Phone #	Objections
S003400	Michael Allison	X5306	No
S006950	Dave Robertson		No
S002450	Patti Wright	X6648	No
Rationale	Numerous courses for the existing undergraduate certificate in conservation biology are no longer offered. We have removed those courses and added appropriate new ones to assure that students can complete the certificate.		

