

Undergraduate Certificate in Conservation Biology

The Certificate in Conservation 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, 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 UM-St. Louis 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 must apply to 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

2102(220), General Ecology
3202(240), Conservation Biology
3203(241), Conservation Biology Laboratory
4299(347), Practicum in Conservation

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.

Anthropology

2120(120), Native Peoples of North America
2131(131), Archaeology of Missouri
2132(132), Archaeology of North America

Biology

3122(323), Tropical Resource Ecology
3123(324), Tropical Resource Ecology Field Studies
3145(325), Tropical Vertebrate Ecology
3182(396), Introduction to Marine Science
4102(380), Behavioral Ecology
4112(348), Evolution of Animal Sociality
4182(341), Population Biology
4202(385), Wildlife Ecology and Conservation
4203(386), Wildlife Ecology and Conservation Laboratory
4245(395), Field Biology
4402(364), Ornithology
4403(366), Ornithology Laboratory
4422(367), Entomology
4423(368), Entomology Laboratory
4501(351), Flowering Plant Families: Phylogeny and Diversification

Economics

3300(230), International Economic Analysis
3301(251), Intermediate Economic Theory: Microeconomics
4550(360), Natural Resource Economics

History

3000(300), Selected Topics, when relevant

Political Science

3480(248), Environmental Politics

3590(359), Studies in Comparative Politics, when relevant

3850(285), International Organizations and Global Problem Solving

4510(351), Comparative Public Policy and Administration

Social Work

3900(390), Seminar in Social Work, when relevant

Sociology

3420(342), World Population and Ecology

4470(346), Demographic Techniques