

Global Biodiversity Conservation and Leadership Graduate Certificate

The Graduate Certificate in Biodiversity Conservation and Leadership is intended for students who wish to pursue a career in conservation biology or ecology from either a research or practical standpoint. Cooperating institutions include the Missouri Botanical Garden, St. Louis Zoo, Center for International Studies at UMSL, and the Departments of Economics, History, Political Science, and Social Work.

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Admission

Graduate students enrolled in UMSL who intend to receive a Graduate Certificate in Global Biodiversity Conservation and Leadership must complete the Application for Graduate Certificate (G10) once completing the required coursework. Students not enrolled in a course of graduate studies at UMSL who have a baccalaureate degree or are enrolled in graduate work elsewhere must apply for admission to the UMSL Graduate School as graduate certificate-seeking students. The minimum admission requirements include: (1) completion of a baccalaureate degree and the prerequisites of the certificate program; 2) at least a 3.0 GPA for undergraduate course work or a 3.2 GPA for 12 credit hours of graduate course work. The minimum prerequisites are undergraduate courses in ecology, evolution and genetics.

Requirements

The certificate is awarded after completion of 18 credit hours of core courses and electives with a minimum of 12 credits at the 5000 or 6000 level. Electives must include a minimum of 3 credits outside biology with a maximum of 7 outside biology. A maximum of 3 credits may be taken at institutions other than UMSL. Students may simultaneously earn a graduate degree and count credits earned in their degree program toward the certificate when appropriate.

Required Core Courses

BIOL 6250/POL SCI 6452	Public Policy of Conservation and Sustainable Development	3
BIOL 6299	Internship in Conservation Biology	2-4
BIOL 6222	Advanced Tropical Ecology and Conservation	3
or BIOL 6270	Advanced Global Climate Change	

Electives 10

Biology

BIOL 4182	Population Biology
BIOL 4402	Ornithology
BIOL 4403	Ornithology Laboratory

BIOL 4422	Entomology
BIOL 4423	Entomology Laboratory
BIOL 4501	Flowering Plant Families: Phylogeny and Diversification
BIOL 5192	Community Ecology
BIOL 6182	Advanced Population Biology
BIOL 6192	Applications of Geographic Information Systems
BIOL 6222	Advanced Tropical Ecology and Conservation
BIOL 6270	Advanced Global Climate Change
BIOL 6889	Graduate Seminar
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
International Business	
INTL BUS 4281	Entrepreneurship in the Global Environment
Political Science	
POL SCI 3440	Public and NonProfit Budgeting
POL SCI 3480	Environmental Policy
POL SCI 3590	Women and Leadership World-Wide: Breaking the Glass Ceiling
POL SCI 3710	NonProfits, Civil Society and Volunteerism
POL SCI 3830	International Political Economy
POL SCI 3850	International Organizations and Global Problem-Solving
POL SCI 4850	International Law
POL SCI 6448	Political Economy and Public Policy
Total Hours	18-20