

Graduate Certificate in Tropical Biology and Conservation

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. Up to 3 credits may be taken at the 3000 level upon permission of the Graduate Committee. 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 elsewhere than UM-St. Louis. Students may simultaneously earn a graduate degree and count credits earned in their degree program toward the certificate when appropriate.

Required Core Courses:

Biology 6250(445), Public Policy of Conservation and Sustainable Development

Biology 6299(447), Internship in Conservation Biology (May be replaced with a biology elective for individuals with applied conservation or environmental agency experience upon consent of the Graduate Committee).

Choice of:

Biology 6212(446), Theory and Application of Conservation Biology

Biology 6222(487), Advanced Tropical Ecology and Conservation

Electives:

Biology

3182(396), Introduction to Marine Science

4182(341), Population Biology

4202(385), Wildlife Ecology and Conservation

4402(364), Ornithology

4422(367), Entomology

4501(351), Flowering Plant Families Phylogeny and Diversification

5122(423), Advanced Tropical Resource Ecology

5123(424), Advanced Tropical Resource Ecology Field Studies

5145(425), Advanced Tropical Vertebrate Ecology

5192(442), Population and Community Ecology

6102(480), Advanced Behavioral Ecology

6112(448), Advanced Evolution of Animal Sociality

6182(441), Advanced Population Biology

6192(483), Applications of Geographic Information Systems

6212(446), Theory and Application of Conservation Biology

6222(487), Advanced Tropical Ecology and Conservation

6889(489), Graduate Seminar, when relevant

Economics

3300(230), International Economic Analysis

3301(251), Intermediate Economic Theory: Microeconomics

4550(360), Natural Resource Economics

History

3000(300), Selected Topics in History, when relevant

3201(371), History of Latin America: to 1808

3202(372), History of Latin America: Since 1808

3302(381), West Africa Since 1800

6114(425), Readings in Latin American History, when relevant

6115(430), Readings in African History, when relevant

Political Science

2530(253), Political Systems of South America

2540(254), Political Systems of Mexico, Central America, and the Caribbean

2580(258), African Politics

3480(248), Environmental Politics
3590(359), Studies in Comparative Politics, when relevant
3830(283), International Political Economy
3850(285), International Organizations and Global Problem Solving
3890(388), Studies in International Relations
4470(347), Introduction to Environmental Law and Policy
4510(351), Comparative Public Policy and Administration
4850(385), International law
4940(394), Leadership and Management in Nonprofit Organizations
6414(414), Topics in Public Policy Analysis, when relevant
6448(448), Political Economy and Public Policy
6459(459), Seminar in Latin American Politics, when relevant
6462(462), Political Theory and Public Policy
6490(481), Seminar in International Relations

Social Work

4950(390), Seminar in Social Work Issues, when relevant

Sociology

4342(342), World Population and Ecology
4646(346), Demographic Techniques
5426(426), Community and Regional Conflict Resolution