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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 6250</td>
<td>Public Policy of Conservation and Sustainable Development</td>
<td>3</td>
</tr>
<tr>
<td>POL SCI 6452</td>
<td>Internship in Conservation Biology</td>
<td>2-4</td>
</tr>
<tr>
<td>BIOL 6222</td>
<td>Advanced Tropical Ecology and Conservation</td>
<td>3</td>
</tr>
<tr>
<td>or BIOL 6270</td>
<td>Advanced Global Climate Change</td>
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Electives 10

Biology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 4182</td>
<td>Population Biology</td>
</tr>
<tr>
<td>BIOL 4402</td>
<td>Ornithology</td>
</tr>
<tr>
<td>BIOL 4403</td>
<td>Ornithology Laboratory</td>
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Economics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>ECON 3500</td>
<td>The Economics of Government Spending and Taxation</td>
</tr>
<tr>
<td>ECON 4160</td>
<td>Geospatial Analysis in the Social Sciences</td>
</tr>
<tr>
<td>ECON 4170</td>
<td>Fundamentals of Cost-Benefit Analysis</td>
</tr>
<tr>
<td>ECON 4550</td>
<td>Natural Resource Economics</td>
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History

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<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>HIST 3000</td>
<td>Selected Topics in History</td>
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</tbody>
</table>

International Business

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>INTL BUS 4281</td>
<td>Entrepreneurship in the Global Environment</td>
</tr>
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Political Science

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>POL SCI 3440</td>
<td>Public and NonProfit Budgeting</td>
</tr>
<tr>
<td>POL SCI 3480</td>
<td>Environmental Policy</td>
</tr>
<tr>
<td>POL SCI 3590</td>
<td>Women and Leadership Worldwide: Breaking the Glass Ceiling</td>
</tr>
<tr>
<td>POL SCI 3710</td>
<td>NonProfits, Civil Society and Volunteerism</td>
</tr>
<tr>
<td>POL SCI 3830</td>
<td>International Political Economy</td>
</tr>
<tr>
<td>POL SCI 3850</td>
<td>International Organizations and Global Problem-Solving</td>
</tr>
<tr>
<td>POL SCI 4850</td>
<td>International Law</td>
</tr>
</tbody>
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Total Hours 18-20