**Program Requirements**

### First Year

#### Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 111</td>
<td>Introductory Biology I</td>
<td>4</td>
</tr>
<tr>
<td>ECCB 101</td>
<td>Introduction to Ecology and Conservation Biology</td>
<td>1</td>
</tr>
<tr>
<td>ECCB 205</td>
<td>Fundamentals of Ecology</td>
<td>3</td>
</tr>
<tr>
<td>MATH 140</td>
<td>Mathematics for Business and Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>General elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Semester Credit Hours** 14

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 112</td>
<td>Introductory Biology II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 142</td>
<td>Business Calculus</td>
<td>3</td>
</tr>
<tr>
<td>American history</td>
<td>(<a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a>)</td>
<td>3</td>
</tr>
<tr>
<td>Language, philosophy and culture</td>
<td>(<a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture</a>)</td>
<td>3</td>
</tr>
<tr>
<td>Social and behavioral sciences</td>
<td>(<a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences</a>)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Semester Credit Hours** 14

### Second Year

#### Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 119</td>
<td>Fundamentals of Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>ECCB 215</td>
<td>Fundamentals of Ecology–Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>ECCB 285</td>
<td>Directed Studies</td>
<td>1</td>
</tr>
<tr>
<td>ECCB 302</td>
<td>Diversity and Evolution of Vertebrates</td>
<td>3</td>
</tr>
<tr>
<td>STAT 302</td>
<td>Statistical Methods</td>
<td>3</td>
</tr>
<tr>
<td>American history</td>
<td>(<a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a>)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Semester Credit Hours** 15

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 222</td>
<td>Elements of Organic and Biological Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>ECCB 304</td>
<td>Conservation Biology</td>
<td>3</td>
</tr>
<tr>
<td>Biodiversity</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Communication</td>
<td>(<a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication</a>)</td>
<td>3</td>
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</tbody>
</table>

**Semester Credit Hours** 15

### Third Year

#### Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECCB 403</td>
<td>Population and Community Ecology</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CHEM 120</td>
<td>Fundamentals of Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 101</td>
<td>Principles of Geology</td>
<td>3</td>
</tr>
<tr>
<td>&amp; GEOL 102</td>
<td>Principles of Geology Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>OCNG 251</td>
<td>The Blue Planet - Our Oceans</td>
<td>3</td>
</tr>
<tr>
<td>&amp; OCNG 252</td>
<td>The Blue Planet - Our Oceans Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 201</td>
<td>College Physics</td>
<td>3</td>
</tr>
<tr>
<td>SCSC 301</td>
<td>Soil Science</td>
<td>3</td>
</tr>
<tr>
<td>Ecosystem</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ECCB 309</td>
<td>Forest Ecology</td>
<td>3</td>
</tr>
<tr>
<td>ECCB 320</td>
<td>Ecosystem Restoration and Management</td>
<td>3</td>
</tr>
<tr>
<td>ECCB 416</td>
<td>Fire Ecology and Natural Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>RWFM 404</td>
<td>Aquatic Ecosystems</td>
<td>3</td>
</tr>
<tr>
<td>Creative arts</td>
<td>(<a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts</a>)</td>
<td>3</td>
</tr>
<tr>
<td>Government/Political science</td>
<td>(<a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science</a>)</td>
<td>3</td>
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**Semester Credit Hours** 16

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECCB 301</td>
<td>Diversity and Evolution of Plants</td>
<td>3</td>
</tr>
<tr>
<td>ECCB 303</td>
<td>Fire Ecology and Biogeochemistry</td>
<td>3</td>
</tr>
<tr>
<td>Communication</td>
<td>(<a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication</a>)</td>
<td>3</td>
</tr>
<tr>
<td>Ecology practice</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Professional development</td>
<td></td>
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</table>

**Semester Credit Hours** 16

### Fourth Year

#### Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECCB 400</td>
<td>Molecular Ecology</td>
<td>3</td>
</tr>
<tr>
<td>Biodiversity</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Ecology practice</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Professional development</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>General elective</td>
<td></td>
<td>3</td>
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</tbody>
</table>

**Semester Credit Hours** 15

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECCB 485</td>
<td>Directed Studies</td>
<td>1</td>
</tr>
<tr>
<td>Individual Function</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>BIOL 206</td>
<td>Introductory Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 318</td>
<td>Chordate Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 351</td>
<td>Fundamentals of Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>BIOL 388</td>
<td>Principles of Animal Physiology</td>
<td></td>
</tr>
<tr>
<td>ECCB 422</td>
<td>Behavioral Ecology</td>
<td></td>
</tr>
<tr>
<td>ECCB 448</td>
<td>Fish Ecophysiology</td>
<td></td>
</tr>
<tr>
<td>VTPB 405</td>
<td>Biomedical Microbiology</td>
<td></td>
</tr>
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</table>

**Ethical Dimensions**

Select one of the following: 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGEC 350</td>
<td>Environmental and Natural Resource Economics</td>
</tr>
<tr>
<td>ECCB 308</td>
<td>Fundamentals of Environmental Decision-Making</td>
</tr>
<tr>
<td>ECCB 318/RWFM 318</td>
<td>Coupled Social and Ecological Systems</td>
</tr>
<tr>
<td>ECCB 405</td>
<td>Forest Resource Assessment and Management</td>
</tr>
<tr>
<td>ECCB 460/RPTS 460</td>
<td>Nature, Values, and Protected Areas</td>
</tr>
<tr>
<td>RWFM 308</td>
<td>Fish and Wildlife Laws and Administration</td>
</tr>
<tr>
<td>RWFM 436</td>
<td>Natural Resources Policy</td>
</tr>
</tbody>
</table>

**Professional Development** 3

**General Elective** 1 2-3

**Semester Credit Hours** 13

**Total Semester Credit Hours** 120

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1. Select from any 100-499 course not used elsewhere.
2. Graduation requirements include a requirement for 3 hours of International and Cultural Diversity (http://catalog.tamu.edu/undergraduate/general-information/degree-information/international-cultural-diversity-requirements/) courses and 3 hours of Cultural Discourse (http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/) courses. A course satisfying a Core category, a college/department requirement, or a general elective can be used to satisfy this requirement.
3. Select from ECCB 311, ECCB 315, ECCB 401, ECCB 402.
4. Select from ECCB 314, ECCB 316, ECCB 324, ECCB 351, ECCB 406/GEOG 462, ECCB 407, ECCB 417, ECCB 444, ECCB 446, ECCB 462, ECCB 484, ECCB 485, ECCB 491; ENTO 300/ECCB 300, ENTO 450/ECCB 450, ENTO 451/ECCB 451; PHYS 201, PHYS 202; RWFM 325, RWFM 400/ECCB 452, RWFM 408, RWFM 410, RWFM 484, RWFM 485, RWFM 491; STAT 307.
5. Select from ANSC 303/NUTR 303, ANSC 318, ANSC 320; CHEM 227 & CHEM 237, CHEM 228 & CHEM 238; ECCB 203, ECCB 311, ECCB 312, ECCB 313, ECCB 315, ECCB 401, ECCB 402, ECCB 420; ENTO 201; OCNG 251; RWFM 301, RWFM 302, RWFM 314, RWFM 443, RWFM 447, RWFM 470.

Must make a grade of C or better in BIOL 111, BIOL 112, and all ECCB major core coursework (ECCB 101, ECCB 205, ECCB 301, ECCB 302, ECCB 303, ECCB 304, ECCB 400, ECCB 403, and ECCB 485.)