# Renewable Natural Resources - BS

## Program Requirements

### First Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td><strong>AGEC 105</strong> Introduction to Agricultural Economics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>&amp; <strong>RENR 205</strong></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Select one of the following:</strong></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>ESSM 102</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>ESSM 201</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>WFSC 101</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>ESSM 203</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>ESSM 302</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>ESSM 303</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>ESSM 304</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>WFSC 302</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>WFSC 335</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Communication</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Semester Credit Hours</strong></td>
<td>14</td>
</tr>
<tr>
<td><strong>Spring</strong></td>
<td><strong>CHEM 119</strong> Fundamentals of Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>ESSM 281</strong> Seminar in Ecosystem Science and Management</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>Communication</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Mathematics</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>American history</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Semester Credit Hours</strong></td>
<td>14</td>
</tr>
<tr>
<td><strong>Summer</strong></td>
<td><strong>BIOL 101</strong> Botany</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>or <strong>BIOL 113</strong> Essentials in Biology</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Semester Credit Hours</strong></td>
<td>4</td>
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</tbody>
</table>

### Second Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td><strong>ESSM 318</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Select one of the following:</strong></td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td><strong>ESSM 306</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>ESSM 311</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>SCSC 301</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>WFSC 414</strong></td>
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### Third Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td><strong>ESSM 351</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Select one of the following:</strong></td>
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<tr>
<td></td>
<td><strong>AGEC 350</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>ESSM 306</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>RENR 470</strong></td>
<td></td>
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<tr>
<td></td>
<td><strong>WFSC 303</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Government/Political science</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Language, philosophy and culture</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Emphasis area elective</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Semester Credit Hours</strong></td>
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</tr>
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### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ESSM 306</strong> Plant Functional Ecology and Adaptation</td>
<td>3-4</td>
</tr>
<tr>
<td><strong>ESSM 311</strong></td>
<td></td>
</tr>
<tr>
<td><strong>SCSC 301</strong> Soil Science</td>
<td></td>
</tr>
<tr>
<td><strong>WFSC 414</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WFSC 428</strong></td>
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</table>

| Creative arts | 3 |

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Emphasis area elective</strong></td>
<td>3</td>
</tr>
<tr>
<td>Emphasis area elective $^2$</td>
<td>3</td>
</tr>
<tr>
<td>---------------------------</td>
<td>---</td>
</tr>
<tr>
<td><strong>Semester Credit Hours</strong></td>
<td>12</td>
</tr>
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</table>

**Fourth Year**

**Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESSM 481 or WFSC 481</td>
<td>1</td>
</tr>
<tr>
<td>RENR 375</td>
<td>3</td>
</tr>
<tr>
<td>Emphasis area elective $^2$</td>
<td>3</td>
</tr>
<tr>
<td>Emphasis area elective $^2$</td>
<td>3</td>
</tr>
<tr>
<td>General elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Semester Credit Hours</strong></td>
<td>13</td>
</tr>
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</table>

**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RENR 410</td>
<td>4</td>
</tr>
<tr>
<td>Emphasis area elective $^2$</td>
<td>3</td>
</tr>
<tr>
<td>Emphasis area elective $^2$</td>
<td>3</td>
</tr>
<tr>
<td>General elective</td>
<td>3</td>
</tr>
<tr>
<td>General elective</td>
<td>2</td>
</tr>
<tr>
<td><strong>Semester Credit Hours</strong></td>
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</table>

**Total Semester Credit Hours** 120

1 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/](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/](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 free elective can be used to satisfy this requirement. Select in consultation with an academic advisor.

2 To be selected from an approved list in consultation with an academic advisor.

3 Credit by examination may be used to substitute for 3 hours of POLS 206 or POLS 207.

4 Students will complete an internship, study abroad or independent research experience.