Curriculum in Forestry

The objectives of the forestry curriculum are to provide: 1) the fundamental knowledge regarding the resources that professional foresters typically manage and the multiple uses, sustaining, and conservation of those resources; 2) a general education integrating physical, social and biological sciences to prepare the forester for the role as steward of public and private forest resources; and 3) training and skills needed for initial forestry employment, as well as for advancement to higher levels of managerial responsibility. The forestry degree is appropriate for students who seek employment in any aspect of forest resource management, from forest industry lands where timber production is typically the primary objective, to private non-industrial properties where multiple use predominates, to public lands where recreation or environmental protection is often paramount. The curriculum emphasizes biological, ecological, environmental, social, economic, and ethical considerations in forest management.

The required courses in the professional forestry curriculum (FORB, see below) are designed to be taken in sequence and as a block. The work is integrated among courses in each semester and between semesters. Students must pay careful attention to the prerequisites of the junior and senior year courses, which are strictly enforced by the school, to ensure successful completion of the forestry program.

Freshman

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1100 English Composition I</td>
<td>3</td>
<td>3 BIOL 1030 Organismal Biology</td>
<td>4</td>
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<tr>
<td>BIOL 1020 Principles of Biology &amp; BIOL 1021 Principles of Biology Laboratory</td>
<td>4</td>
<td>ENGL 1120 English Composition II</td>
<td>3</td>
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<tr>
<td>FOWS 1010 Introduction to Renewable Natural Resources</td>
<td>1</td>
<td>1 STAT 2510 Statistics for Biological and Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1130 Pre-Calculus Trigonometry (or higher)</td>
<td>3</td>
<td>3 History or Social Science¹, ²</td>
<td>3</td>
</tr>
<tr>
<td>History¹, ²</td>
<td>3</td>
<td></td>
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<td>Total Hours: 14</td>
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</table>

Sophomore

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literature¹, ²</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1030 Fundamentals Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1031 Fundamental Chemistry I Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>3</td>
</tr>
<tr>
<td>COMM 1000 Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>Social Science¹</td>
<td>3</td>
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<tr>
<td>Total Hours: 16</td>
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</tbody>
</table>

Total Hours: 56

Courses in bold type above are required for admission to Forestry (FORB) curriculum.

Curriculum in Professional Forestry (FORB)
## Sophomore

### Summer

The Forestry Summer Practicum is held at the Solon Dixon Forestry Education Center near Andalusia, Alabama.

- **FORY 3060 Introduction to Forest Management Strategies** 1
- **FORY 3050 Field Mensuration** 4
- **FORY 3020 Forest Biology** 3
- **FOEN 3040 Forest Surveying** 2

### Hours: 10

## Junior

### Fall

- **FORY 3100 Dendrology** 3
- **FORY 3180 Forest Resource Sampling** 3
- **FORY 3010 Forest Soils** 3
- **BIOP 3390 Introduction to Forest Products and Packaging** 3
- **BIOP 3391 Forest and Manufacturing Operations** 1
- **Restricted Electives** 3

### Hours: 16

### Spring

- **FORY 3200 Forest Tree Physiology** 3
- **FORY 4190 Forest Biometrics** 3
- **FORY 4230 Forest Ecology** 3
- **FORY 5400 Forest Economics** 3
- **FOEN 5700 Harvesting** 3

### Hours: 15

## Senior

### Fall

- **FORY 5150 Forest Health** 3
- **FORY 5410 Forest Management and Administration** 3
- **FOWS 5270 Natural Resource Policy (or restricted elective)** 3
- **FORY 5140 Forest Regeneration and Seedling Production** 3
- **FORY 5151 Forest Health Laboratory** 1
- **FORY 5230 Silviculture** 4

### Hours: 14

### Spring

- **FORY 4980 Senior Capstone Project** 4
- **Restricted Elective** 3
- **UNIV 4AA0 Creed to Succeed** 0

### Hours: 13

### Total Hours: 68

Courses in bold type above are components of the Forestry major.

1. SLO9 must be completed in one of the Humanities, Social Science, or History core courses.
2. Student must complete a sequence in either Literature or History.
3. 3 hours must be completed from each of the 3 categories of restricted electives.
TOTAL HOURS - 124