# Natural Resource Ecology Management Two-Year Certificate

## Program Requirements

<table>
<thead>
<tr>
<th>General Education Requirements</th>
<th>43</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1113 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>*ENGL 1213 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>AG 2112 Microcomputer Tech in Ag</td>
<td>2</td>
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</tbody>
</table>

## Core Requirements

Directed by advisor (below)

AG 1114 Intro to Agri Econ
AG 1511 Intro to Leadership Ag Sci
AGLE 2303 Personal Leadership Dev in Agri
BIOL 114 Intro to Biology
BIOL 1404 Plant Biology
BIOL 1604 Animal Biology
ENTO 2993 General Entomology
FOR 2013 Resource/Fire Cert
FOR 2023 Resource/Fire Cert
FOR 2223 Wildland Firefighter Certification
FYE 1011 Freshman Year Experience
HORT 1013 Principles of Horticulture
*MATH 1513 College Algebra
MCAG 1413 Intro to Engineering in Agri
NREM 1001 Natural Resources Field Appl
NREM 1004 Intro to Natural History
NREM 1113 Elements of Forestry
NREM 1214 Intro Wood Properties/Products
NREM 2013 Natural Resources Ecology
NREM 2103 Forest Measurements
NREM 2113 Timber Harvesting
NREM 2134 Dendrology
NREM 2886 Forestry Internship
PLNT 1213 Intro Plant & Soil Systems
SOIL 2124 Fundamentals of Soil Science
SPCH 2713 Intro to Speech Communications

Approved Electives (Max 6 hrs)

## Suggested Course Sequence

### First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<td>SPCH 2713 Intro to Speech Communications</td>
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<tr>
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</table>

### Second Semester

*ENGL 1213 English Composition II                                    | 3            |
NREM 2113 Timber Harvesting                                         | 3            |
FOR 2023 Resource/Fire Cert                                          | 3            |
BIOL 1404 Plant Biology                                             | 4            |

### Third Semester

SOIL 2124 Fundamentals of Soil Science                             | 4            |
General Elective                                                    | 3            |
NREM 2134 Dendrology                                               | 4            |
NREM 1001 Natural Resources Field Appl                             | 1            |
NREM 2013 Natural Resources Ecology                                | 3            |

The above list is a suggested course sequence only. Students may, with guidance from an academic advisor, make changes to the course sequence. Students should be aware that changes to the course sequence may require more than four semesters to complete their Associate Degree.

## Program Overview

This curriculum is designed to prepare the student for a career in Forestry and/or Wildlife or to continue in the Natural Resource and Ecology Management associate degree. For more information contact the Agriculture Department at (918) 540-6274 or neoagriculture@neo.edu.

## Career Opportunities

- Forestry Management
- Wildlife Management
- Wildland Fire Protection
- Game Protection
- Park and Recreation Management
- Timber/Harvesting Management
- Rangeland Management

## General College Preparatory Requirements

NEO evaluates students for placement into their transitional or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by ACT test scores or by CPT test scores. These tests are administered in the Testing Centers at NEO College. Based upon these scores, some or all of the following courses may need to be taken prior to enrollment in the college level course.

- MATH 0013 Basic Math
- MATH 0113 Introductory Algebra
- MATH 023 Intermediate Algebra
- MATH 025 Intermediate Algebra with Review
- ENGL 0123 Basic Composition
- CIED 0133 Improved Reading

SCIENCE: A student may be required to complete MATH 0123 or higher and/or CIED 0133 before enrolling in a college-level science course.

## Key

- *Prerequisite
- # Course may require admission specific program
- ^Not offered every semester