

# School of Forestry and Wildlife Sciences

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THE SCHOOL OF FORESTRY AND WILDLIFE SCIENCES offers educational programs that prepare graduates for employment in a wide variety of forestry, wildlife, natural resources, and environmental management positions. Forests and their associated resources play a unique and increasingly important role in contemporary society through enhancement of both economic development and environmental quality. The school's programs emphasize understanding of interrelationships among the functions and values of renewable natural resources. This understanding is essential to their effective management and, ultimately, to the meeting of societal needs.

In keeping with the university's land-grant mission, the school's goals are to pursue excellence in education, research, and extension/outreach/public service activities focused on the forests, wildlife, and associated resources of Alabama and the southeastern United States. With respect to undergraduate education, this involves the preparation and graduation of individuals who have both the necessary skills for initial employment and the breadth and depth of educational background to support professional growth and continuing career advancement.

## Prefix

Course prefixes for courses in the School of Forestry and Wildlife Sciences (SFWS) are FORY (forestry), FOEN (forestry engineering), FOPR (forest products), WILD (Wildlife) and FOWS (forestry and wildlife common courses).

## Curricula

The School of Forestry and Wildlife Sciences offers undergraduate curricula leading to bachelor of science (BS) degrees in forestry, wildlife ecology and management, wildlife sciences pre-veterinary medicine, and natural resources management. A forest engineering option is available under the bachelor of biosystems engineering (BSEN) degree program. It is offered in conjunction with the Samuel Ginn College of Engineering. Note: Qualified forestry students are encouraged to consider participation in the Scholars Program in Forestry (see below). Forestry and wildlife students with exceptional academic qualifications should also consider enrollment in the University's Honors College (see Honors College). The University Honors College is described under Special Academic Opportunities in the Academic Policies section of the Bulletin.

The bachelor's programs in forestry and the forest engineering option in biosystems engineering (the latter with addition of the forest resources minor) are accredited by the Society of American Foresters (SAF). SAF is the accrediting body recognized by the Council on Higher Education Accreditation as the accrediting agency for forestry education in the United States. Graduation from such SAF-accredited programs is required of all applicants for Registered Forester status in Alabama and several other states. The biosystems engineering program with the forest engineering option is accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET). Completion of the wildlife sciences degree program qualifies the graduates for certification as associate wildlife biologists by The Wildlife Society. Completion of the wildlife pre-vet concentration prepares students for veterinary medicine study.

## Web Site

Students are encouraged to visit the school's website (<http://www.sfws.auburn.edu>) which provides information on the school's programs and faculty, as well as updates on courses, scheduling, etc.

## Admission

### General Requirements

Freshman eligibility is determined by Enrollment Services (334) 844-6425. However, since the requirements for forestry and wildlife education necessitate high school preparatory work of high intellectual quality and considerable breadth, the following program is recommended: English (4 units), mathematics (including algebra, geometry, trigonometry and analytic geometry) (4 units), chemistry (1 unit), biology (1 unit), physics (1 unit), history, literature or social science (2 or 3 units), and foreign languages (1 unit). Freshmen in Forestry are admitted to the Pre-Forestry (PFOR) curriculum. Wildlife Ecology and Management students are admitted directly into the Wildlife Ecology and Management curricula (WLDE) and Natural Resources Management students are admitted directly into the Natural Resources Management curricula (NATR).

Transfers from other institutions must apply through Enrollment Services (334) 844-6425. The exact placement of transfer students can be determined only upon review of their transcripts by the School of Forestry and Wildlife Sciences.

Credit toward a degree in the School of Forestry and Wildlife Sciences will not be allowed for mathematics, chemistry or physics courses at a lower level than those specified in the curriculum for the degree sought. Students who are not prepared to take the courses prescribed should take lower level remedial courses without degree credit.

Transfer credit for forestry and wildlife courses not considered equivalent to those required in the chosen curriculum may be substituted for elective credit. However, duplication of credit will not be allowed. Equivalency of forestry and wildlife courses will be determined by the Dean's Office. Students also may obtain credit for FORY and WILD courses on the basis of validating examinations. Arrangements for validating examinations must be made with the Dean's Office.

### Forestry Requirements

The Professional Curriculum in Forestry (FORB) begins with the courses in the School of Forestry and Wildlife Sciences Summer Field Practicum (see below). Students are admitted to this curriculum once a year during spring semester. To be considered for admission, a student must have completed, or be enrolled in all required courses in mathematics, statistics, biology, microeconomics, English, and chemistry, plus an additional nine credit hours from any other courses in the Pre-Forestry curriculum (PFOR) (see below).

To remain enrolled in the professional Forestry curriculum, students must maintain minimum GPA standards established by Auburn University. In addition to these standards, all required forestry courses (FORB, FOEN, FOPR, and FOWS) listed in the junior and senior years must be completed with a grade of C or better. Grades lower than a C will not satisfy prerequisite requirements of successive listed courses and the course must be re-taken for credit toward the degree. Students also must complete designated courses in the major (see bold type in curricula models below) with at least a 2.0 cumulative GPA.

### Forest Engineering Option Requirements

Students are admitted to the professional Biosystems Engineering with Forest Engineering Option curriculum (FOEN) upon successful completion of the Pre-Forest Engineering (PFOE) program in the Samuel Ginn College of Engineering. (See additional detail on Forest Engineering Option below.) Students pursuing the Forest Engineering Option must meet School of Forestry and Wildlife Sciences requirements for admission to the Forestry Summer Field Practicum.

**Wildlife Requirements**

Admission requirements for the Wildlife Ecology and Management curricula (WLDE) are the same as for Pre-Forestry (above).

Student in the WILD curriculum (see below) must attend WILD 4910 Wildlife Summer Practicum, which is scheduled for the summer term preceding the senior year and is held at the Solon Dixon Forestry Education Center near Andalusia, Alabama in the south-central section of the state.

To remain enrolled in Wildlife Ecology and Management or the Wildlife Science, Pre-Veterinary Medicine Concentration curricula, students must maintain minimum GPA standards established by Auburn University. In addition to these standards, all required wildlife courses in Wildlife Ecology and Management (WILD and FOWS) listed in the sophomore, junior and senior years and all required wildlife courses in Wildlife Science, Pre-Veterinary Medicine Concentration (WILD) must be completed with a grade of C or better. Grades lower than a C will not satisfy prerequisite requirements of successive listed courses and the course must be re-taken for credit toward the degree. Students also must complete designated courses in the major (see bold type in curricula models below) with at least a 2.0 cumulative GPA.

Students in the FORY and BSEN Forest Engineering Option curricula (see below) must attend the Forestry Practicum, which is scheduled for the summer term preceding the junior year and is held at the Solon Dixon Forestry Education Center near Andalusia, Alabama.

**Minors**

**Forest Resources Minor**

This minor is available only to students in the forest emphasis of the forest engineering option of the biosystems engineering degree in Samuel Ginn College of Engineering. Completion of the minor is required for Registered Forester eligibility in the state of Alabama.

| <b>Courses required</b>           |   | <b>Cr. Hr.</b> |
|-----------------------------------|---|----------------|
| FORY 4190                         | Forest Measurements II.....               | 3              |
| FORY 4230                         | Forest Ecology.....                       | 3              |
| FORY 5400                         | Forest Economics.....                     | 3              |
| FORY 5410                         | Forest Management and Administration..... | 3              |
| FORY 5420                         | Forest Policy.....                        | 3              |
| WILD 3280                         | Principles of Wildlife Management.....    | 3 OR           |
| FORY 3600                         | Wildland Recreation Policy.....           | 2              |
| FORY 5150                         | Forest Health.....                        | 3 OR           |
| FORY 4440                         | Forest Fire Management.....               | 3              |
| 20/21 semester hours in the minor |   |                |

**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 pre-requisites of the junior and senior year courses, which are strictly enforced by the school, to ensure successful completion of the forestry program.

**Curriculum in Pre-Forestry (PFOR)**

| FR   | F    | S    |   | F         | S         |
|------|------|------|---|-----------|-----------|
| BIOL | 1020 |      | <b>Principles of Biology &amp; Lab (1021)</b> ..... | 4         | **        |
| BIOL |      | 1030 | <b>Organismal Biology &amp; Lab (1031)</b> .....    | **        | 4         |
| ENGL | 1100 | 1120 | <b>English Composition I &amp; II</b> .....         | 3         | 3         |
| MATH | 1610 |      | Calculus I.....                                     | **        | 4         |
| FOWS | 1010 |      | Intro Natural Resources.....                        | 1         | **        |
|      |      |      | Approved Humanities Choice1.....                    | 3         | **        |
|      |      |      | Fine Arts.....                                      | **        | 3         |
|      |      |      | Social Science2.....                                | 3         | **        |
|      |      |      |   | <b>14</b> | <b>14</b> |

|      |      |      |  |              |           |
|------|------|------|--|--------------|-----------|
| SO   |      |      | <b>Principles of Microeconomics</b> .....                | **           | 3         |
| ECON | 2020 |      | History2, 3.....   | 3            | **        |
|      |      |      | <b>History or Social Science2, 3</b> .....               | **           | 3         |
| CHEM | 1010 | 1020 | <b>Survey of Chemistry I &amp; II</b> .....              | 3            | 3         |
| CHEM | 1011 | 1021 | <b>Survey of Chemistry Lab I &amp; II</b> .....          | 1            | 1         |
| STAT | 2510 |      | <b>Statistics for the Biol and Health Sciences</b> ..... | 3            | **        |
|      |      |      | Literature2, 3.....                                      | 3            | **        |
| AGRN | 2040 |      | Basic Soil Science.....                                  | **           | 4         |
| COMM | 2410 |      | Small Group Communication.....                           | **           | 3         |
|      |      |      | ACCT 2810 or PHYS 1000 and Lab (1001).....               | 3-4          | **        |
|      |      |      |  | <b>16/17</b> | <b>17</b> |

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

**Curriculum in Professional Forestry (FORB)**

|               |       |       |   |           |           |
|---------------|-------|-------|---|-----------|-----------|
| <b>SUMMER</b> |       |       |   |           |           |
| FOEN          | 3000  |       | <b>Forest Operations</b> .....              | 2         |           |
| FORY          | 3020  |       | <b>Forest Biology</b> .....                 | 2         |           |
| FOEN          | 3040  |       | <b>Forest Surveying</b> .....               | 3         |           |
| FORY          | 3050  |       | <b>Field Mensuration</b> .....              | 3         |           |
| FORY          | 3060  |       | <b>Forest Management</b> .....              | 2         |           |
|               |       |       |   | <b>12</b> |           |
| <b>JR</b>     |       |       |   |           |           |
|               |       |       | Humanities or Literature2, 3.....           | **        | 3         |
| FOEN          | 5700* |       | <b>Harvesting</b> .....                     | **        | 3         |
| FOPR          | 3390* |       | <b>Introduction Wood Science</b> .....      | 3         | **        |
| FORY          | 3100* |       | <b>Dendrology</b> .....                     | 3         | **        |
| FORY          | 3180* | 4190* | <b>Forest Measurements I &amp; II</b> ..... | 3         | 3         |
| FORY          | 3200* |       | <b>Forest Tree Physiology</b> .....         | 3         | **        |
| FORY          | 4230* |       | <b>Forest Ecology</b> .....                 | **        | 3         |
| FORY          | 5400* |       | <b>Forest Economics</b> .....               | **        | 3         |
|               |       |       |   | <b>12</b> | <b>15</b> |
| <b>SR</b>     |       |       |   |           |           |
|               |       |       | Emphasis.....                               | 3         | 8         |
| FORY          | 5150* |       | <b>Forest Health</b> .....                  | 3         | **        |
| FORY          | 5151* |       | <b>Forest Health Lab</b> .....              | 1         | **        |
| FORY          | 4980* |       | <b>Senior Capstone Project</b> .....        | **        | 4         |
| FORY          | 5230* |       | <b>Silviculture</b> .....                   | 4         | **        |
| FORY          | 5410* |       | <b>Forest Management</b> .....              | 3         | **        |
| FOWS          | 5270* |       | <b>Natural Resource Policy</b> .....        | **        | 3         |
| UNIV          | 4AA0  |       | FW1 Undergraduate Graduation.....           | **        | 0         |
|               |       |       |   | <b>14</b> | <b>15</b> |

**TOTAL HOURS - 129-130**

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

Coursed with an asterisk (\*) must be completed with a grade of "C" or better

1. Student must select one class that will cover SLO3.

2. SLO9 must be completed in one of the Humanities, Social Science, or History core courses.

3. Student must complete a sequence in either Literature or History.

Emphasis – Listed at [www.sfw.s.auburn.edu/ss/forestry.php](http://www.sfw.s.auburn.edu/ss/forestry.php)

**Forest Emphases**

To provide students an opportunity to develop strengths in areas of particular personal and professional interest, the school has developed a series of course groupings called Emphases which, beyond the broad base of Forestry core courses, afford opportunity for specialized study. Current emphases are: Forest Land Management, Forest Operations, Forest Products, Urban Forestry, Business, Forest Biology, Wildlife Management, Spatial Analysis, and Policy. Emphases are selected by students at the close of the Summer Practicum. These choices are taken into account by the student and his/her faculty advisor as the program of study for completion of the professional (FORB) program is developed. Details on courses in each Emphasis (both required and optional, 12 credit hours minimum) are available online ([www.sfw.s.auburn.edu/ss/index.php](http://www.sfw.s.auburn.edu/ss/index.php)).

**Scholars Program in Forestry**

The Scholars Program in Forestry provides qualified students an opportunity to explore areas besides the Emphases listed above in which they are particularly interested and/or to prepare for graduate study. Students with at least 3 semesters remaining in the Forestry curriculum, and with at least a 3.3 GPA overall or 3.0 in courses in the Forestry core curriculum, may apply for admission to the program by petition to the student's academic advisor and the dean. Under the guidance of the faculty advisor, and with dean's approval, the student develops an Emphasis to fit his/her unique interests. The Scholars Emphasis must include FORY 4990 in addition to a minimum of 12 semester hour credits in courses at the 3000-level or above.

Forest Engineering Option

The Department of Biosystems Engineering in conjunction with the Samuel Ginn College of Engineering and the School of Forestry and Wildlife Sciences offers an accredited degree in biosystems engineering with a forest engineering option. Graduates are qualified to pursue Professional Engineering (PE) credentials. To receive a Society of American Foresters accredited degree and be eligible to become a registered forester in the state of Alabama, students must complete the forest emphasis and forest resources minor.

This program is committed to preparing students for productive professional careers in the forest products industry and related natural resource and environmental systems sectors. Specific educational objectives of the program are: 1) graduates solve engineering problems such as those associated with the environment and natural resources, and the production, processing, storage, manufacture, utilization, and recycling of biological products; 2) graduates develop solutions to problems that combine engineering and biological sciences; 3) graduates develop environmentally and economically feasible and practical design solutions; and 4) graduates expand the role of engineering in society, communicate effectively, practice in a professional and ethical manner, and provide leadership in the profession.

The curriculum is coordinated by the Samuel Ginn College of Engineering and the School of Forestry and Wildlife Sciences. Students register in the Samuel Ginn College of Engineering and are assigned academic advisors in Biosystems Engineering and in Forestry. Beginning students should apply to the Samuel Ginn College of Engineering and complete the Pre-Forestry Engineering, program. (See the Samuel Ginn College of Engineering section for the curriculum model, and detailed admission and degree requirements.)

Wildlife Ecology and Management

The Wildlife Ecology and Management (WLDE) degree program provides a broad biological education that is specifically designed to meet the needs of students interested in careers involving wildlife ecology, management, and conservation. Graduates are employed with state or federal wildlife agencies, environmental consulting firms, private conservation organizations, and private land management companies. Because many jobs require a master's degree, the program is designed to prepare students for graduate studies in wildlife ecology and management.

Curriculum in Wildlife Ecology and Management (WLDE)

| FR          | F           | S     |  | F         | S         |
|-------------|-------------|-------|--|-----------|-----------|
| BIOL        | 1020        |       | Principles of Biology & Lab (1021) .....                 | 4         | **        |
| BIOL        |             | 1030  | Organismal Biology & Lab (1031) .....                    | **        | 4         |
|             |             |       | History1, 2 .....  | 3         | **        |
|             |             |       | History or Social Science1, 2 .....                      | **        | 3         |
|             |             |       | Fine Arts .....  | **        | 3         |
| ENGL        | 1100        | 1120  | English Composition I & II .....                         | 3         | 3         |
| MATH        | 1610        |       | Calculus I.....  | 4         | **        |
|             |             |       | Social Science1.....                                     | **        | 3         |
| <b>FOWS</b> | <b>1010</b> |       | <b>Introduction to Renewable Natural Resources .....</b> | <b>1</b>  | <b>**</b> |
|             |             |       |  | <b>15</b> | <b>16</b> |
| <b>SO</b>   |             |       | Physical Science Elective.....                           | 4         | **        |
| CHEM        | 1010        | 1020  | Survey of Chemistry I & II.....                          | 3         | 3         |
| CHEM        | 1011        | 1021  | Survey of Chemistry Lab I & II.....                      | 1         | 1         |
| BIOL        |             | 3030  | Evolution & Systematics.....                             | **        | 3         |
| BIOL        |             | 3060  | <b>Ecology .....</b>                                     | <b>**</b> | <b>4</b>  |
|             |             |       | Approved Humanities Choice1, 3.....                      | **        | 3         |
| STAT        | 2510        |       | Statistics for the Bio and Health Sciences.....          | 3         | **        |
| WILD        | 2050*       |       | <b>Wildlife Conserv. History &amp; Law .....</b>         | <b>3</b>  | <b>**</b> |
|             |             |       |  | <b>14</b> | <b>14</b> |
| JR          |             |       | Biology Elective.....                                    | 4         | **        |
|             |             |       | Literature1, 2 .....                                     | 3         | **        |
|             |             |       | Humanities or Literature1, 2 .....                       | **        | 3         |
| WILD        |             | 3750* | <b>Analysis for Wildlife Sciences .....</b>              | <b>**</b> | <b>4</b>  |
| WILD        |             | 5400* | <b>Problem Solving in Wildlife Sciences .....</b>        | <b>**</b> | <b>2</b>  |
|             |             |       | Natural Resource Elective.....                           | **        | 2         |
| BIOL        |             | 5120  | <b>Systematic Botany .....</b>                           | <b>**</b> | <b>4</b>  |
| WILD        | 3280*       |       | <b>Principles Wildlife Management .....</b>              | <b>3</b>  | <b>**</b> |
|             |             |       | <b>Taxon-specific Elective.....</b>                      | <b>4</b>  | <b>**</b> |
|             |             |       |  | <b>14</b> | <b>15</b> |
| SUMMER      |             |       | Wildlife Sciences Summer Practicum .....                 | 8         |           |

|             |              |              |  |           |           |
|-------------|--------------|--------------|--|-----------|-----------|
| SR          |              |              |  |           |           |
| ENGL        | 3040         |              | Technical Writing .....                                | 3         | **        |
|             |              |              | Communications Elective/ROTC.....                      | 3         | **        |
|             |              |              | Social Sciences1 .....                                 | **        | 3         |
| <b>FOWS</b> | <b>5270*</b> |              | <b>Natural Resource Policy .....</b>                   | <b>**</b> | <b>3</b>  |
| <b>BIOL</b> | <b>5140</b>  |              | <b>Plant Ecology.....</b>                              | <b>**</b> | <b>4</b>  |
| <b>WILD</b> | <b>5280*</b> | <b>5290*</b> | <b>Wildlife Ecology and Management I &amp; II.....</b> | <b>3</b>  | <b>3</b>  |
|             |              |              | <b>Taxon-specific Elective.....</b>                    | <b>4</b>  | <b>**</b> |
|             |              |              | Technical Elective.....                                | 3         | **        |
|             |              |              | Natural Resource Elective/ROTC.....                    | **        | 3         |
| UNIV        | 4AA0         |              | FW1 Undergraduate Graduation .....                     | **        | 0         |
|             |              |              |  | <b>16</b> | <b>16</b> |

TOTAL HOURS - 128

Courses in bold are part of the WLDE major and must be completed with a cumulative GPA of 2.0 or better

Coursed with an asterisk (\*) must be completed with a grade of "C" or better

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. Student must select one class that will cover SLO3.

Professional Electives - listed at [www.sfw.s.auburn.edu/sso/wildlifesciences.php](http://www.sfw.s.auburn.edu/sso/wildlifesciences.php)

Natural Resource Management

Natural Resources Management Requirements

Admission requirements for the Natural Resources Management Bachelor of Science Degree (NATR) are the same as those for entering Auburn University.

The Natural Resources Management degree program was approved in 2011 as a flexible major that includes core natural resource management courses plus a required minor, concentrating coursework on one of many diverse outdoor careers. Examples of minors that can be embedded in the degree include History, Political Science, Fisheries and Allied Aquacultures, Natural Resources and Environmental Policy, Marketing, International Business, or Sustainability. Others may be found at [http://www.auburn.edu/academic/provost/undergrad\\_studies/minors/index.htm](http://www.auburn.edu/academic/provost/undergrad_studies/minors/index.htm) on the Auburn Website. The curriculum is designed to meet the needs of students and employers who are interested in the extensive variety of positions within the natural resources community outside of traditional careers within forestry and wildlife sciences. Employers and positions include, but are not restricted to, Park Service Manager, Ecotourism Entrepreneur, Reclamation and Development Manager, Wetlands Manager, or Sustainability Officer. The degree may also be followed by pursuit of additional degrees such as obtaining a law degree to practice law for non-governmental organizations or advanced degrees for teaching and/or research.

Students in Natural Resources Management must select a faculty advisor to help with the many choices within the major, including selection of the embedded minor. Any minor may be considered, but the student will need to be able to explain how the minor supports a particular field within natural resources management. Students must also demonstrate the existence of sufficient employment options with the chosen electives by identifying and contacting future employers. It is strongly recommended that any student who enrolls in Natural Resources Management be proactive in promoting themselves and the degree, as there is no single certifying body for the broad range of careers.

To remain enrolled in Natural Resources Management a student must make timely progress toward completion of the degree and maintain minimum GPA standards established by Auburn University.

Curriculum in Natural Resource Management (NATR)

| FR          | F           | S    |  | F         | S         |
|-------------|-------------|------|--|-----------|-----------|
| BIOL        | 1020        |      | Principles of Biology & Lab (1021) .....         | 4         | **        |
| BIOL        |             | 1030 | Organismal Biology & Lab (1031) .....            | **        | 4         |
|             |             |      | History1, 2 .....                                | 3         | **        |
|             |             |      | History or Social Science1 .....                 | **        | 3         |
| <b>FOWS</b> | <b>2020</b> |      | <b>Natural Resource Sampling Techniques.....</b> | <b>**</b> | <b>3</b>  |
| ENGL        | 1100        | 1120 | English Composition I & II .....                 | 3         | 3         |
| MATH        | 1610        |      | Calculus I.....                                  | 4         | **        |
|             |             |      | Social Science1 .....                            | **        | 3         |
| FOWS        | 1010        |      | Introduction to Renewable Natural Resources..... | 1         | **        |
|             |             |      |  | <b>15</b> | <b>16</b> |
| <b>SO</b>   |             |      | <b>Basic Soil Science.....</b>                   | <b>**</b> | <b>4</b>  |
| CHEM        | 1010        | 1020 | Survey of Chemistry I & II.....                  | 3         | 3         |
| CHEM        | 1011        | 1021 | Survey of Chemistry Lab I & II.....              | 1         | 1         |
| ECON        |             | 2020 | Microeconomics .....                             | **        | 3         |
| BIOL        |             | 3060 | <b>Ecology .....</b>                             | <b>4</b>  | <b>**</b> |
|             |             |      | Approved Humanities Choice2.....                 | 3         | **        |
| FOWS        | 2010        |      | Environmental Interpretation .....               | 3         | **        |
|             |             |      | Fine Arts .....                                  | **        | 3         |
|             |             |      |  | <b>14</b> | <b>14</b> |

School of Forestry and Wildlife Sciences

|      |      |      |  |            |            |  |
|------|------|------|--|------------|------------|--|
| JR   |      |      |  |            |            |  |
| ENGL | 2200 | 2210 | World Literature I & II .....                    | 3          | 3          |  |
|      |      |      | Restricted Statistics Elective .....             | 3          | **         |  |
|      |      |      | <b>Restricted Management Elective .....</b>      | <b>3-4</b> | <b>**</b>  |  |
| FORV | 5470 |      | <b>GIS Application in Natural Resources.....</b> | <b>2</b>   | <b>**</b>  |  |
|      |      |      | Minor .....                                      | 3          | 3          |  |
|      |      |      | Electives .....                                  | 1-2        | **         |  |
| FORV |      | 5480 | <b>GIS Database Design and Analysis .....</b>    | <b>**</b>  | <b>2</b>   |  |
| WILD |      | 5400 | <b>Wildlife Sciences Problems.....</b>           | <b>**</b>  | <b>2</b>   |  |
|      |      |      | Restricted Economics Elective .....              | 3          | 3          |  |
|      |      |      | Minor or Electives.....                          | **         | 3          |  |
|      |      |      |  | <b>16</b>  | <b>16</b>  |  |
| SR   |      |      |  |            |            |  |
| FORV | 5310 |      | <b>Environmental Ethics.....</b>                 | <b>3</b>   | <b>**</b>  |  |
| FOWS |      | 5320 | <b>Environmental Services.....</b>               | <b>**</b>  | <b>3</b>   |  |
|      |      |      | Minor .....                                      | 6          | 3          |  |
| FOWS |      | 5270 | <b>Natural Resource Policy.....</b>              | <b>**</b>  | <b>3</b>   |  |
|      |      |      | <b>Restricted Landscape Elective .....</b>       | <b>**</b>  | <b>2-3</b> |  |
|      |      |      | Electives .....                                  | 6          | 2-3        |  |
| UNIV |      | 4AA0 | FW1 Undergraduate Graduation.....                | **         | 0          |  |
|      |      |      |  | <b>15</b>  | <b>14</b>  |  |

**TOTAL HOURS - 120**

Courses in bold are part of the NATR major and must be completed with a grade of "C" or better

1. SLO9 must be completed in one of the Humanities, Social Science, or History core courses.
  2. Student must select one class that will cover SLO3.
- Restricted Electives - listed at <https://sites.auburn.edu/academic/sfws/newstudents/Documents/NRMnewcore.pdf>

**Wildlife Sciences, Pre-Veterinary Medicine (WLPV) Concentration**

Students may be admitted to the College of Veterinary Medicine (CVM) upon completion of the minimum requirements listed below. If students are admitted to the CVM prior to completion of the full four years, they may obtain a bachelor of science in this concentration after successful completion of the freshman year in the CVM. (Students obtaining the BS in this manner may not be certifiable as Associate Wildlife Biologists.) The minimum requirements for admission to the CVM are incorporated in the first three years in the Wildlife Sciences, Pre-Veterinary Medicine Concentration. All minimum requirements must be completed by the end of the spring semester preceding the date of admission to CVM. (See the College of Veterinary Medicine section for additional information.)

**Curriculum in Wildlife Science/Pre-Vet Concentration (WLPV)**

| FR   | F     | S    |   | F         | S         |
|------|-------|------|---|-----------|-----------|
| BIOL | 1020  |      | Principles of Biology & Lab (1021) .....            | 4         | **        |
| BIOL |       | 1030 | Organismal Biology & Lab (1031) .....               | **        | 4         |
| CHEM | 1030  | 1040 | Fundamentals Chemistry I & II .....                 | 3         | 3         |
| CHEM | 1031  | 1041 | Fundamentals Chemistry Lab I & II .....             | 1         | 1         |
| ENGL | 1100  | 1120 | English Composition I & II .....                    | 3         | 3         |
| MATH | 1610  |      | Calculus I.....                                     | 4         | **        |
|      |       |      | Fine Arts .....                                     | **        | 3         |
|      |       |      |   | <b>15</b> | <b>14</b> |
| SO   |       |      |   |           |           |
| CHEM | 2070  | 2080 | Organic Chemistry I & II.....                       | 3         | 3         |
| CHEM | 2071  | 2081 | Organic Chemistry Lab I & II.....                   | 1         | 1         |
|      |       |      | History1, 2 .....                                   | 3         | **        |
|      |       |      | History or Social Science1, 2 .....                 | **        | 3         |
| PHYS | 1500  | 1510 | General Physics I & II.....                         | 4         | 4         |
|      |       |      | Social Science1 .....                               | 3         | **        |
| BIOL | 3060  |      | <b>Principles of Ecology.....</b>                   | <b>**</b> | <b>4</b>  |
| WILD | 2050* |      | <b>Wildlife Conservation History &amp; Law.....</b> | <b>3</b>  | <b>**</b> |
|      |       |      |   | <b>17</b> | <b>15</b> |

|      |       |       |  |           |           |  |
|------|-------|-------|--|-----------|-----------|--|
| JR   |       |       |  |           |           |  |
|      |       |       | Approved Humanities Choice1, 3.....                | **        | 3         |  |
|      |       |       | Humanities or Literature1, 2 .....                 | **        | 3         |  |
|      |       |       | Literature1, 2 .....                               | 3         | **        |  |
| BCHE | 3200  |       | Prin. Biochemistry .....                           | 3         | **        |  |
| COMM | 1000  |       | Public Speaking.....                               | 3         | **        |  |
| BIOL | 3200  |       | General Microbiology .....                         | **        | 4         |  |
| BIOL | 3000  |       | Genetics .....                                     | 4         | **        |  |
| BIOL |       | 3030  | Evolution & Systematics.....                       | **        | 3         |  |
| ANSC |       | 3400  | <b>Animal Nutrition .....</b>                      | <b>**</b> | <b>4</b>  |  |
| WILD | 3280* |       | <b>Principles of Wildlife Management .....</b>     | <b>3</b>  | <b>**</b> |  |
|      |       |       |  | <b>16</b> | <b>17</b> |  |
| SR   |       |       |  |           |           |  |
| STAT | 2510  |       | Statistics .....                                   | 3         | **        |  |
| BIOL | 4020  |       | <b>Vertebrate Biodiversity .....</b>               | <b>4</b>  | <b>**</b> |  |
| BIOL |       | 5120  | <b>Systematic Botany .....</b>                     | <b>**</b> | <b>4</b>  |  |
| WILD | 5280* | 5290* | <b>Wildlife Ecology &amp; Mngt I &amp; II.....</b> | <b>3</b>  | <b>3</b>  |  |
|      |       |       | Social Science1 .....                              | 3         | 3         |  |
|      |       |       | <b>Natural Resource Policy Elective4 .....</b>     | <b>**</b> | <b>3</b>  |  |
|      |       |       | Elective.....                                      | 4         | **        |  |
| UNIV |       | 4AA0  | FW1 Undergraduate Graduation .....                 | **        | 0         |  |
|      |       |       |  | <b>14</b> | <b>13</b> |  |

**TOTAL HOURS - 121**

Courses in bold type are components of the Wildlife/Pre-Vet major

- Coursed with an asterisk (\*) must be completed with a grade of "C" or better
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. Student must select one class that will cover SLO3.
  4. Select from FOWS 5270\* Natural Resources Policy or FORV 3440 Environmental Law Professional Electives - listed at [www.sfws.auburn.edu/sso/WildlifePreVet.php](http://www.sfws.auburn.edu/sso/WildlifePreVet.php)

**Degrees in Both Forestry and Wildlife Sciences**

Curricula leading to degrees in both forestry and wildlife sciences are available for students interested in obtaining both BS degrees. In combination, the two degrees meet the requirements for Registered Forester eligibility in Alabama and Associate Wildlife Biologist certification requirements for The Wildlife Society. Completion of both degrees requires an additional year of coursework (168 total semester hours). Students need to work closely with their academic advisor beginning in the sophomore year in order to successfully complete all requirements for the degrees. For more details about the two tracks visit the school's website ([www.sfws.auburn.edu/sso/index.php](http://www.sfws.auburn.edu/sso/index.php)).

If you would like to speak to someone about the programs in the school of Forestry and Wildlife Sciences, please call the Director of Student Services at (334) 844-1050 or email at [dfd0003@auburn.edu](mailto:dfd0003@auburn.edu).

**ROTC**

In all curricula within the School of Forestry and Wildlife Sciences, electives may include any number of Basic ROTC or Advanced ROTC. In curricula which do not provide sufficient electives for this purpose, ROTC may be taken in lieu of required courses outside of the major and not in the university core to be selected with the approval of the School advisor. Common courses selected are COMM 1000, COMM 2410, Natural Resource Electives, and emphasis hours.