

School of FOREST RESOURCES

LOCATION: Henry H. Chamberlin Forest Resources Complex (12)

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FACULTY/MISSION

Professors Blackmon (Dean), Kluender, Thompson, Yeiser, and Zeide; Research Professor Patterson; Assistant Professors Guo, Liechty, Lockhart, Tappe, Weih, and Williams; Extension Forester Walkingstick; Assistant Extension Specialist Caveness; Adjunct Professors Baker and Murphy; Adjunct Associate Professor Shelton; Adjunct Instructor Cain; University Forest Manager Webb; Research Specialists Bennett, Corrigan, Earl, Fitzgerald, Garner, Howell, Jones, Kellum, Peitz, Tackett, Wiley, and Zhang.

The mission of the School of Forest Resources is to educate professional forest and wildlife resource managers, to enlarge the body of knowledge in renewable forest resources and to disseminate new ideas and technology. Successful accomplishment of this mission will promote and enhance management, conservation and appreciation of public and private forests, thereby providing for continuous production and optimum attainment of a variety of forest resources for the people of Arkansas, the South and the Nation. These resource benefits include the production of wood and fiber, wildlife, and clean water; as well as provision for recreation, aesthetic and other special values.

Accordingly, the School's educational objectives are:

1. To educate baccalaureate-level professionals in both forestry and wildlife management, with both the professional competence and diversity of background to assume positions with a variety of resource management organizations, such as private industry, private consulting firms, or public agencies; furthermore, to provide an educational and professional basis for successful work performance and for assuming increasing administrative and managerial responsibilities to the middle management level and beyond.
2. To provide graduate-level educational opportunities in forest resources.
3. To provide students the opportunity to acquire the professional and academic competence in forestry or wildlife necessary to be nationally competitive in graduate studies.
4. To foster general education, a professional curriculum, and a collegiate environment that attract and retain academically strong and professionally motivated students.
5. To promote an educational environment in which a strong orientation toward academic performance is encouraged, and where a dedication to the profession and its ethics is developed.

In addition, the School's other professional objectives are:

1. To support research programs at both the basic and applied levels that contribute to the body of knowledge in forestry and related natural resources, and which address the professional, scientific, and social needs of forestry and natural resources communities in the State, the region, and the Nation.
2. To maintain a program of extension and public service that transmits new and established knowledge and technology to appropriate clientele through workshops, seminars, symposia, continuing education programs, and publications.

The School offers two majors: Forestry and Wildlife Management. No minor is required. In both majors the first two years of course work emphasize general education in the sciences and humanities. Courses in the junior and senior years emphasize various aspects of professional education.

In the **Forestry major**, students are given a balance of general and professional course work. General course

work includes both the General Education sequence and 12 hours of free electives. The professional sequence consists of a forestry core curriculum and a block of supportive requirements. A major component of the forestry core curriculum is the required 8-week Forestry Summer Camp, an outdoor experience that enhances the student's leadership skills, decision-making abilities, and other professional expertise. The Forestry major is accredited by the Society of American Foresters.

The **Wildlife Management major** is a professional program designed to give students a broad scientific background for management and perpetuation of wildlife resources. The curriculum emphasizes basic and applied sciences, as well as communication skills and social sciences. This educational foundation serves students who plan to enter the wildlife profession directly, or those who plan to continue their education at the graduate level. Through appropriate selection of courses in consultation with his or her advisor, students can satisfy course work requirements for professional certification by The Wildlife Society.

Minors in forestry, natural resources, and wildlife management, are available to UAM students, including those in the School of Forest Resources. Students may also choose to apply their free electives toward the development of an emphasis which stresses some additional professional and/or personal interests. Emphases consist of 10-12 credit hours of course work selected by the student in consultation with his or her advisor.

Students are encouraged to cultivate their academic, social, and career interests through membership in the Student Chapter of the Society of American Foresters, the Student Chapter of The Wildlife Society and the Forestry Club.

It is a School policy that all courses with a FOR or WL F prefix **must be passed with a grade of C or better** to graduate from School programs. All students must purchase and wear leather work boots and ANSI-approved hard hats and eyewear during laboratories and field trips.

Major and Minor Requirements

All baccalaureate degrees require at least 124 hours of college credit, courses at the 1000-level or above. These courses must include the General Education requirements found on page #@ and at least 40 hours of 3000-4000 level courses.

FORESTRY **Bachelor of Science**

Total Credit Hours: 132

Major Requirements: 60 hours

FOR 2231 Dendrology Laboratory I
FOR 2274 Forest Mensuration
FOR 2281 Silvics
FOR 2291 Dendrology Laboratory II
FOR 2304 Forest Inventory
FOR 2312 Photogrammetry and Remote Sensing
FOR 2362 Wood Structure and Forest Products
FOR 3334 Contemporary Forest Resource Issues
FOR 3434 Silviculture
FOR 3472 Forestry Organizations
FOR 3513 Forest Ecology
FOR 3523 Tree Ecophysiology and Herbicides
FOR 3563 Natural Resource Biometrics
FOR 3804 Forest Operations and Fire
FOR 3813 Introduction to GIS/GPS
FOR 4003 Natural Resource Policy and Society
FOR 4092 Forest Recreation
FOR 4673 Forest Economics

FOR 4691 Seminar
FOR 4711 Natural Resource Management Lab
FOR 4723 Natural Resource Management
FOR 4733 Forest Pest Management
FOR 4823 Integrated Resource Planning and Management

Supportive Requirements: 39 hours

BIOL 1144 General Botany

One of the following pairs of courses

CHEM 1023 Intro Chem

CHEM 1031 Intro Chem Lab

OR

CHEM 1103 General Chem I

CHEM 1121 General Chem I Lab

One of

CIS 2223 Microcomputer Applications

OR

a computer programming language course

ECON 2213 Microeconomics

ENGL 2253 Technical Writing

FOR 1061 Orientation to Forest and Wildlife
Management

FOR 2264 Forest Soils

FOR 3592 Forest Hydrology

Either

MATH 1033 Trigonometry AND

MATH 1043 College Algebra

OR

MATH 1174 Precalculus

MATH 1073 Compact Calculus

SPCH 2283 Business and Professional Speech

WL F 4703 Wildlife Ecology and Management

Free Electives: 12 hours

General Education 21 hours

WILDLIFE MANAGEMENT **Bachelor of Science**

Total Credit Hours: 124

Major Requirements: 53-54 hours

BIOL 3434 Regional Flora

BIOL 3484 General Ecology

BIOL 3801 Mammalian Anatomy Laboratory

One of

BIOL 4634 Vertebrate Physiology

OR

BIOL 3354 Genetics

One of

BIOL 3594 Invertebrate Zoology

OR

FOR 4733 Forest Pest Management

FOR 2274 Forest Mensuration

FOR 3434 Silviculture

FOR 3472 Forestry Organizations
WL F 3314 Ichthyology/Herpetology
WL F 3324 Ornithology/Mammalogy
WL F 3563 Natural Resource Biometrics
WL F 3813 Introduction to GIS and GPS
WL F 4003 Natural Resource Policy and Society
WL F 4613 Wildlife Habitat Management
WL F 4691 Seminar
WL F 4703 Wildlife Ecology and Management
WL F 4813 Integrated Resource Planning and Management

Supportive Requirements: 45 hours

BIOL 1144 General Botany
BIOL 1153 General Zoology
BIOL 1161 General Zoology Laboratory
CHEM 1103 General Chemistry I
CHEM 1121 General Chem I Laboratory
CHEM 1113 General Chemistry II
CHEM 1131 General Chem II Laboratory

One of

CIS 2223 Microcomputers Applications
OR

a computer programming language course

ECON 2213 Microeconomics
ENGL 2253 Technical Writing
FOR 2231 Dendrology Laboratory I
FOR 2264 Forest Soils
FOR 2281 Silvics
FOR 2291 Dendrology Laboratory II

Either

MATH 1033 Trigonometry AND
MATH 1043 College Algebra
OR

MATH 1174 Precalculus

PSCI 2213 American National Government
SPCH 2283 Business and Professional Speech
WL F 1061 Orientation to Forestry and Wildlife
Management

Free Electives: 7-8 hours

General Education 18 hours

Forestry Minor: 25 hours

One the following pairs of courses

CHEM 1023 Intro Chem
CHEM 1031 Intro Chem Lab
OR

CHEM 1103 General Chem I
CHEM 1121 General Chem I Lab

FOR 2231 Dendrology Laboratory I

One of

FOR 2264 Forest Soils
AGRO 2244 Soils

FOR 2281 Silvics
FOR 2362 Wood Structure and Forest Products

FOR 3513 Forest Ecology
FOR 3592 Forest Hydrology
One of the following course groups
FOR 4003 Natural Resource Policy and Society AND
FOR 4092 Forest Recreation AND
WL F 4703 Wildlife Ecology and Management
OR
FOR 2304 Forest Inventory AND
FOR 3334 Contemporary Forest Resource Issues

Natural Resources Minor: 24-26 hours

One of the following course groups
FOR 2231 Dendrology Laboratory AND
FOR 2281 Silvics AND
FOR 2291 Dendrology Laboratory II
OR
BIOL 3434 Regional Flora
One of
FOR 2264 Forest Soils
AGRO 2244 Soils
FOR 3592 Forest Hydrology

Plus 2 of the following courses

FOR 4003 Natural Resource Policy and Society
AGEC 4823 Economics of Environmental Management
PSCI 3423 Legislative Process

Plus 2 of the following courses

BIOL 3493 Environmental Science
BIOL 3484 General Ecology
FOR 3513 Forest Ecology
WL F 4703 Wildlife Ecology and Management

Plus 1 course from the following

AGEN 2263 Soil & Water Conservation
AGRO 4743 Soil Fertility
ANTH 2233 Arkansas Regional Archeology
CHEM 2203 Intro Organic & Biochemistry
ESCI1063 Intro Earth Science
ESCI3473 Earth Resources
FOR 3813 Intro to GIS & GPS
MGMT 3473 Principles of Management
PHIL2223 Introduction to Philosophy
PSCI2213 American National Government
PSCI4613 Public Management
SOC 4643 Population Problems
SPCH 3483 Communication in Small Groups
WL F 4613 Wildlife Habitat Management

Wildlife Management Minor: 24-25 hours

BIOL 3493 Environmental Science
BIOL 3434 Regional Flora

One of

- BIOL 3484 General Ecology
- FOR 3513 Forest Ecology
- WL F 3324 Ornithology/Mammalogy
- WL F 4613 Wildlife Habitat Management
- WL F 4703 Wildlife Ecology and Management

One of the following courses or groups

AGRO 2244 Soils

BIOL 1144 General Botany

FOR 2264 Forest Soils

Both

BIOL 1153 General Zoology and

BIOL 1161 General Zoology Laboratory

Both

CHEM 1113 Gen Chem II and

CHEM 1131 Gen Chem II Lab

The following three courses

FOR 2231 Dendrology Laboratory I and

FOR 2291 Dendrology Laboratory II

FOR 2281 Silvics and