

riculum must have a minimum GPA, computed only on courses that can be used toward the undergraduate forestry degree (applicable courses), of 2.0.

Because admission to the professional forestry curriculum is limited, the number of students admitted may be fewer than the number of qualified applicants. Students who submit completed applications (including transcripts for transfer students) for admission to the Summer Field Practicum by April 1 each year will be ranked, using GPA in applicable courses. Consideration for admission also may be given to meet the School's objectives for racial and gender diversity. Applicants not selected may reapply in subsequent years.

Students in the FORY and FOEN 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.

To remain enrolled in the professional forestry curriculum, students must maintain minimum GPA standards as established by Auburn University.

Forest Engineering Requirements

Students are admitted to the professional Forest Engineering curriculum (FOEN) upon successful completion of the Pre-Forest Engineering (PFYE) program in the College of Engineering with a GPA of 2.2 or greater. Forest Engineering majors must meet School of Forestry and Wildlife Sciences requirements for admission to the Forestry Summer Field Practicum.

Wildlife Sciences Requirements

Admission requirements for the Wildlife Sciences curricula (WILD) are the same as for Forestry (above) with this exception: on-campus transfer students must have a cumulative Auburn GPA of at least 2.0 on all work attempted.

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 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 and economic considerations in forest management.

The required courses in the junior year of the forestry curriculum 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 year courses, which are strictly enforced by the School, to ensure successful completion of that part of the forestry program.

Forestry students are required to meet the minimum requirements of one Emphasis area. The approved Emphases are listed following the FORY curriculum model (see below). More information about planning for completion of Emphases is available from the School of Forestry and Wildlife Sciences.

Curriculum in Pre-Forestry (PFOR)

FR	F	S		F	S
ENGL	1100	1120	English Composition I & II.....	3	3
CHEM	1010	1020	Survey Chemistry I & II.....	4	4
BIOL	1020		Principles of Biology.....	4	--
BIOL		1030	Organismal Biology.....	--	4
MATH	1610		Calculus I.....	4	--
			Core Social Science.....	3	--
				14	15
SO					
ENGL	2200	2210	Great Books I & II.....	3	3
STAT	2150		Statistics.....	3	--
			Core History.....	3	3
			Core Philosophy.....	3	--

		ACCT 2150 or PHYS 1000.....	3-4	--
ECON	2020	Microeconomics.....	--	3
AGRN	2040	Introduction to Soils.....	--	4
COMM	1010	Comm. Skills in Leadership.....	--	3
			15-16	16

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

Curriculum in Forestry (FORY)

SUMMER PRACTICUM					
FORY	3020	Forest Biology.....	2		
FORY	3050	Field Mensuration.....	3		
FORY	3060	Forest Management.....	1		
FOEN	3000	Forest Operations.....	1		
FOEN	3040	Forest Surveying.....	3		
					10
JR	F	S		F	S
FORY	3180	4190	Forest Measurements I & II.....	3	3
FORY	3150		Forest Health.....	3	--
FORY	3100		Dendrology.....	3	--
FORY	3200		Forest Tree Physiology.....	3	--
FOPR	3390		Introduction Wood Science.....	3	--
FORY		4230	Forest Ecology.....	--	3
FORY		6400	Forest Economics.....	--	3
FOEN		6700	Harvesting.....	--	3
			Core Fine Arts.....	--	3
				15	15
SR					
FORY	6230		Silviculture.....	3	--
FORY	6410		Forest Management.....	3	--
FORY	6420		Forest Policy.....	--	3
FORY	4970		Senior Project.....	--	3
			Emphasis.....	6	6
			Electives.....	3	--
				15	12
TOTAL HOURS — 127-128					

Forest Emphases

For the following list of Forest Emphases, only those courses required in each Emphases is listed. Information on other courses that may be taken to complete the 12 hours required for the individual Emphases is available in the School's Student Services Office.

RESOURCE EMPHASIS

FORY	4440	Forest Fire Management.....	3
FORY	6240	Forest Watershed Management.....	2
WILD	3280	Principles of Wildlife Management.....	4

OPERATIONS EMPHASIS

FORY	3070	Forest Roads Design.....	3
FORY	4820	Wood Procurement.....	2
FORY	4830	Industrial Wood Procurement Practicum.....	1

PRODUCTS EMPHASIS

FOPR	4200	Forest Products Utilization.....	3
FOPR	6210	Primary Wood Processing.....	3

URBAN FORESTRY EMPHASIS

FORY	6650	Urban Forestry.....	3
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BUSINESS EMPHASIS

See adviser for approved course listing. ACCT 2150 required in sophomore year. Students who take ACCT 2910, MNGT 3100, MKTG 3310 and FINC 3610, together with ECON 2030 (which is required by all forestry students), qualify for the business minor as defined by the College of Business for all students in the University.

FOREST BIOLOGY EMPHASIS

FORY	6240	Forest Watershed Management.....	2
FORY	6310	Environmental Ethics.....	3

WILDLIFE MANAGEMENT EMPHASIS

WILD	3280/3281	Principles of Wildlife Management.....	4
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SPATIAL ANALYSIS EMPHASIS

FORY	4470/7470	Geographic Information Systems (GIS).....	2
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POLICY EMPHASIS

See adviser for approved course listing.

Scholars Program in Forestry

The Scholars Program in Forestry provides qualified students an opportunity to explore areas besides the emphases listed 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 adviser and the dean.

The curriculum model is identical to the model presented above, except that the student, with the guidance of a faculty adviser, develops an Emphasis to fit his/her unique interests. The Emphasis must include FORY 4990 plus a minimum of 12 semester hour credits in courses at the 3000-level and above.

Forest Engineering

The Biosystems Engineering Department in conjunction with the College of Engineering and the School of Forestry and Wildlife Sciences offers the only accredited degree in Forest Engineering in the southern United States.

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 to produce graduates with: the skills necessary to solve engineering problems associated with the management of forest and natural resources and the production of wood fiber and the manufacture and utilization of wood-based products; the ability to combine engineering skills with training in forest sciences to solve problems and to work in multi-disciplinary teams; the ability to analyze problems critically and conduct scientific experimentation and engineering analysis; and the ability to continue developing professionally throughout their career.

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

Wildlife Sciences

The Wildlife Sciences degree program provides a broad biological education that is specifically designed to meet the needs of students interested in a career involving management of wildlife. 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 primarily to prepare students for graduate studies in wildlife biology and management. Students must complete designated courses in the major (see curriculum models below), with at least a 2.0 GPA.

Curriculum in Wildlife Sciences (WILD)

FR	F	S		F	S
BIOL	1020		Principles of Biology	4	--
BIOL		1030	Organismal Biology	--	4
CHEM	1030	1040	General Chemistry I & II	3	3
CHEM	1031	1041	General Chemistry Lab I & II	1	1
MATH	1610		Calculus I	4	--
ENGL	1100	1120	English Composition I & II	3	3
			Elective	--	3
COMP		1000	Personal Computer Applications	--	2
				15	16
SO					
BIOL	3000		Genetics	4	--
BIOL		3060	Principles of Ecology	--	4
CHEM	2030		Survey of Organic Chemistry	3	--
PHYS		1000	Foundations of Physics	--	4
STAT	2150		Statistics	3	--
BIOL		3030	Evolution & Systematics	--	3
WILD	2050		Wildlife Conservation History & Law	3	--
			Core History	3	3
				16	14
JR					
WILD	3280		Principles of Wildlife Management	3	--
WILD	3281		Principles of Wildlife Management Lab..1	--	--
BIOL		6120	Systematic Botany	--	4

BIOL		6140	Plant Ecology	--	4
AGRN	3040		Basic Soils	4	--
			Core Philosophy	--	3
ENGL	2200	2210	Great Books I & II	3	3
			Core Social Science Group 1 & 2	3	3
				14	17
SR					
WILD	6280	6290	Wildlife Ecology & Mngt I & II	3	3
WILD	6281	6291	Wildlife Ecology & Mngt Lab I & II	1	1
			WILD Elective Experience	4	4
ENGL	3040		Technical Writing	3	--
			Core Fine Arts	3	--
COMM	1000		Public Speaking	3	--
			Natural Resources/Biology Elective	3	--
WILD	6270		Wildlife Research Philosophy & Policy	--	3
				17	14

TOTAL HOURS — 123

Departmental Electives - see adviser for approved course listing.

Wildlife Sciences,

Pre-Veterinary Medicine Concentration

It is possible to 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 degree in this concentration after successful completion of the freshman year in the CVM. (Students obtaining the B.S. in this manner may not be certifiable as an Associate Wildlife Biologist.) 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 Sciences/Pre-Vet Concentration

FR	F	S		F	S
MATH	1610		Calculus I	4	--
ENGL	1100	1120	English Composition I & II	3	3
BIOL	1020		Principles of Biology	4	--
BIOL		1030	Organismal Biology	--	4
CHEM	1030	1040	General Chemistry I & II	3	3
CHEM	1031	1041	General Chemistry Lab I & II	1	1
			Core History	--	3
				15	14
SO					
CHEM	2070	2080	Organic Chemistry	3	3
CHEM	2071	2081	Organic Chemistry	1	1
ENGL	2200	2210	Great Books I & II	3	3
PHYS	1500	1510	General Physics	4	4
			Core Social Science Group 1 & 2	3	3
WILD	2050		Wildlife Conservation History & Law	3	--
COMP		1000	Personal Computer Applications	--	2
				17	16
JR					
BCHE	3200		Animal Biochemistry	3	--
COMM	1000		Public Speaking	3	--
BIOL	3000		Genetics	4	--
WILD	3280		Principles of Wildlife Management	3	--
WILD	3281		Principles of Wildlife Management Lab..1	--	--
			Core Fine Arts	3	--
			Core History	--	3
BIOL		3030	Evolution & Systematic	--	3
BIOL		3060	Principles of Ecology	--	4
			Core Philosophy	--	3
BIOL		3000	Microbiology	--	4
				17	17
SR					
WILD	6280	6290	Wildlife Ecology & Mgt. I & II	3	3
WILD	6281	6291	Wildlife Ecology & Mgt. Lab I & II	1	1
BIOL		6160	Systematic Botany	--	4
			WILD Nat. Res. Policy Elective	--	4
STAT	4010		Statistics	3	--
BIOL	4020		Vertebrate Biodiversity	4	--
			Elective	4	--
				15	12

TOTAL HOURS — 123

Departmental Electives - see adviser for approved course listing.