

# Forestry

## Bachelor of Science in Forestry (FORS) 134\* credits

The forestry program prepares students for professional careers with organizations that manage forest and related lands. Students apply biological, ecological, economic, and social knowledge to develop and administer forest management plans. Graduates receive a Bachelor of Science Degree in Forestry. The program is accredited by the Society of American Foresters. This Department of Forestry and Natural Resources Program has a common core requirement with the fisheries and aquatic sciences, natural resources, and wildlife curricula. Sustainable management of natural resource systems -- focusing on forests, watersheds, and associated flora and fauna to meet the needs of society -- is emphasized.

### Freshman Year

<i>First Semester</i>	<i>Second Semester</i>
(1) AGR 10100 School of Agriculture Orientation	(4) <i>BTNY 21000 Introduction to Plant Science</i>
(4) <i>BIOL 11000 Fundamentals of Biology I</i>	(3) CHM 11200 General Chemistry II
(3) CHM 11100 General Chemistry I	(3) COM 11400 Fundamentals of Speech Communication
(4) ENGL 10600 English Composition	(3) FNR 10300 Introduction to Environmental Conservation
<u>(3)</u> <i>MA 22300 Introductory Analysis I (calculus)</i>	<u>(3)</u> MA 22400 Introductory Analysis II (calculus)
(15)	(16)

### Sophomore Year

<i>Third Semester</i>	<i>Fourth Semester</i>
(3) Economics Elective <sup>3</sup>	(3) AGRY 27000 Forest Soils
(3) <b>FNR 22500 Dendrology</b>	(2) BIOL 28600 Introduction to Ecology
(3) FNR 23000 World's Forests & Society	(3) FNR 21000 Natural Resource Information Management
(3) FNR 24100 or 25100 Ecology & Systematics elective	(1) <b>FNR 25200 Laboratory in Ecology &amp; Systematics of Amphibians, Reptiles &amp; Birds</b>
(1) <b>FNR 24200 Laboratory in Ecology &amp; Systematics of Fishes &amp; Mammals</b>	(3) <b>FNR 35300 Natural Resources Measurement</b>
<u>(3)</u> <i>STAT 30100 Elementary Statistical Methods</i>	<u>(3)</u> Written or oral communication elective <sup>4</sup>
(16)	(15)

### Summer Session

(Courses in bold are prerequisites for FNR 37000 and 37200. Courses in italics are prerequisites for emboldened courses)

(2)	FNR 37000 Natural Resources Practicum
<u>(4)</u>	FNR 37200 Forestry Practicum
(6)	

### Junior Year

<i>Fifth Semester</i>	<i>Sixth Semester</i>
(3) FNR 33100 Forest Ecosystems	(3) FNR 33900 Principles of Silviculture
(3) FNR 35700 Fundamental Remote Sensing	(3) FNR 35500 Quantitative Methods for Resource Management
(3) FNR 36500 Natural Resources Issues, Policy & Administration	(3) FNR 37500 Human Dimensions of Natural Resource Management
(3) FNR 40600 Natural Resource & Environmental Economics	(3) FNR 40700 Forest Economics
(3) FNR 43400 Tree Physiology	(3) Forest Health Elective <sup>7</sup>
<u>(3)</u> Social science or humanities elective <sup>5,6</sup>	<u>(3)</u> Unrestricted elective
(18)	(18)

### Senior Year

<i>Seventh Semester</i>	<i>Eighth Semester</i>
(3) FNR 40900 Timber Management	(3) FNR 30100 Wood Products and Manufacturing
(1) FNR 47000 Fundamentals of Planning	(3) FNR 30500 Conservation Genetics
(3) Ethics elective (PHIL 11100, 28000 or 29000)	(3) FNR 40800 Ecosystem Management Practice
(3) Humanities elective <sup>5</sup>	(3) Social science or humanities elective <sup>5,6</sup>
(3) Unrestricted elective	(2) Unrestricted elective
<u>(3)</u> Unrestricted elective	
(16)	(14)

\*You must complete nine hours of coursework with an international<sup>1</sup> focus and 3 credits of Multicultural Awareness<sup>2</sup>. These may overlap with elective coursework in the social science or humanities, oral or written communication, unrestricted, forestry, or study abroad areas.

<sup>1</sup> **International Understanding electives:** 9 credits of International Understanding electives are required. These credits are not, however, in addition to the total number of hours required, but do restrict the choice among some categories of required courses. FNR 23000, required in this major, provides 3 credits; thus, 6 additional credits must be selected from the following courses. For example, a student taking French 10100 and 10200 could use these courses to cover the requirement for Humanities and the International Understanding.

AGEC 25000, 34000, 45000	ECON 37000, 46600	HORT 40300
AGR 49300, 49500, 49700	ENGL 26600, 26700	IDIS 38100
AGRY 28500, 35000, 57000	FNR 23000, 46000, 48800	PHIL 33000, 33100
ANTH 10000, 20500, 57800	HIST 24000, 24100, 24300, 24500,	POL 13000, 14100, 23200, 23500,
BTNY 20100	27100, 27200, 29000, 32300, 32400,	23700, 29000, 30300, 30400, 34200,
COM 22400, 42400	32900, 34000, 34100, 34200, 34300,	34400, 34500, 34700, 43300, 43400,
	34400, 34500, 43900, 44100, 47200	43500, 44200, 44500, 44700

FLL (Arabic, Chinese, French, German, Italian, Japanese, Portuguese, Russian, or Spanish) 10100, 10300, 10200, 20100, 20200, 48000, 58100; GER 22300; RUSS 28900. (*Note: a minimum of six credits of a foreign language must be earned to be utilized as International Understanding electives.*)

<sup>2</sup> **Multicultural Awareness Requirement and Courses:**

These credits are not, however, in addition to the total number of hours required, but do restrict the choice among some categories of required courses. This requirement may be met by taking AGR 20100 Communicating Across Culture, AGR 49600 Multicultural Professional Experience or one of the following courses:

ANTH 30300, 37900	COM 37600, 38100	EDCI 28500
ENGL 25700, 35800, 36000	HIST 36500, 36600, 37700, 39600, 39800	HK 22600
IDIS 27100, 28000, 33000, 37000, 37500, 37600, 38100	PHIL 22500, 24200, 33000	POL 22200, 32600, 36000, 45600
PSY 22500, 23900, 36800	SOC 22000, 31000, 45000	SPAN 23500, YDAE 38500

<sup>3</sup> **Economics elective:** AGECE 20300, 20400 or ECON 25100, with permission ECON 21000 or AGECE 21700.

<sup>4</sup> **Written or Oral Communications electives:** ASL 10100, 10200, COM 20000 +, ENGL 20000+, or EDCI 44000

<sup>5</sup> **Humanities electives:**

EDST 20000

ENGL 20100, 22700, 23000, 23100, 23200, 23500, 23700, 23800, 23900, 24000, 24100, 25000, 25700, 26200, 26400, 26600, 26700, 27600, 27900, 33100, 33300, 33500, 33700, 35000, 35100, 35600, 36000, 36100, 36400, 37200, 37300, 37500, 37600, 37700, 37900, 38100, 38200, 38300, 38600, 38700, 39600, 41100, 41200, 41300, 41400, 44100, 44200, 44400, 46200, 46300, 46800, 46900, 49200.

FLL (Arabic, Chinese, French, German, Italian, Japanese, Portuguese, Russian, or Spanish) 10100, 10300, 10200, 20100, 20200, 48000, 58100; GER 22300; RUSS 28900. (*Note: a minimum of six credits of a foreign language must be earned to be utilized as Humanities electives.*)

Any course in History, Interdisciplinary Studies, Philosophy, and/or Visual and Performing Arts

<sup>6</sup> **Other Social Sciences electives:**

AGECE 25000, 30500, 34000, 41000, 41500, 45000 (no more than 3 credits allowed in addition to FNR/AGECE 40600)

EDPS 23500, 26500

Any course in Anthropology, Political Sciences, Psychological Sciences, and/or Sociology

<sup>7</sup> **Forest Health electives:**

A forest or tree related pathology, entomology, fire or other approved course