

## FORESTRY B.S.

All students must meet the Degree and University Requirements.

All students must meet the Catamount Core Curriculum Requirements.

All students must meet the Rubenstein Core Curriculum Requirements.

### MAJOR REQUIREMENTS

The Forestry major provides students with an education in ecologically responsible forestry, emphasizing the complex landscapes of the northeastern United States. Students develop their abilities to coordinate and manage all aspects of sustainable forestry through an education that combines a strong foundation in natural and social sciences with hands-on field-based classes, internships, research experiences, and forest management projects. This Society of American Foresters accredited curriculum is integrative, technologically current, and science-based.

Students supplement a core of required forestry and related courses with a student-proposed, faculty-approved area of concentration<sup>1</sup> such as forest ecosystem health, forest ecology, consulting forestry, public forest administration, or international development.

The concentration represents at least nine credits and can be fulfilled by a self-designed sequence of course work<sup>2</sup>, an appropriate university minor, or a natural resource oriented study abroad experience.

A total of 120 credits is required for the degree.

Requirement Description		Credits
ALE 2610	Fundamentals of Soil Science	0 or 4
CHEM 1100	Outline: General Chem w/lab	4
FOR 1090	Introduction to Forestry	1
FOR 1210	Dendrology	4
FOR 2110	Nat Res Ecol and Assessment 1	4
FOR 2120	Nat Res Ecol and Assessment 2	4
FOR 2220	Forest Ecosystem Analysis <sup>3</sup>	4
FOR 2570	Wildland Fire	3
FOR 2991	Internship <sup>5</sup>	3
FOR 2993	Independent Study <sup>5</sup>	1-18
FOR 2995	Undergraduate Research <sup>5</sup>	1-18
FOR 3230	Multi-Resource Silviculture	4
FOR 3330	Woodlot Mgt & Forest Ops	4
FOR 3350	Forest Ecosystem Health	3

FOR 3991	Internship <sup>5</sup>	3
FOR 3993	Independent Study <sup>5</sup>	1-18
FOR 3995	Undergraduate Research <sup>5</sup>	1-18
FOR 4720	Sustain Mgmt Forest Ecosys	4
FOR 4990	Special Topics (when the topic is Community-based Forestry)	4
MATH 1088	Numbers for Naturalists	3
NR 2100	Environmental Communication	3
NR 2400	Applied Environ Statistics	4
NR 2430	Intro to Geog Info Systems	3
PBIO 1040	Intro to Botany	4-8
or BIOL 1400 & BIOL 1450	Principles of Biology 1 and Principles of Biology 2	
A course in economics or ecological economics <sup>4</sup>		3
ECON 1450	Principles of Microeconomics	3
or SEP 2410	Intro to Ecological Economics	
At least 9 additional credits in the area of concentration <sup>1,2</sup>		9-12

<sup>1</sup> The student-proposed concentration must be endorsed by the student’s advisor and approved by the Forestry faculty prior to the last three semesters of study.

<sup>2</sup> The self-designed sequence of course work for the student's concentration should be at least six credits at the 2000-level or higher.

<sup>3</sup> The field intensive course, FOR 2220, is offered only during the summer session.

<sup>4</sup> Or an advisor approved economics course.

<sup>5</sup> Up to 3 credits of FOR 2991, FOR 2993, FOR 2995, FOR 3991, FOR 3993 or FOR 3995 be applied towards major if a relevant experiential learning plan has been approved by the Program Director prior to the start of the experience.