

Contact

Jeremy Wilson, Undergraduate Program
 Coordinator for Forestry
 School of Forest Resources
 5755 Nutting Hall, Room 201
 Orono, ME 04469-5755

207-581-9213
 FAX: 207-581-2875

E-mail: jeremy.wilson@umit.maine.edu
 Web site: www.forest.umaine.edu/

Admission Requirements

(In years as established by the college)

A high school diploma with the following specific courses:

- 4 English
- 2 Algebra I & II
- 1 Geometry
- 1/2 Trigonometry (*strongly recommended*)
- 2 Lab Science (*biology & chemistry or physics*)
- 2 History/Social Studies
- Academic electives (*to equal at least 17 total credits*)

To ensure current mathematical skills, students should take a mathematics course during their senior year of high school.

Major Requirements

- 78 credits Forest Resources
- 9 credits Communications (*English, writing, speech*)
- 15 credits Sciences & Mathematics
- 9 credits Designated Electives
- 21 credits Free Electives

128 Minimum total credit hours required for graduation

College of Natural Sciences, Forestry & Agriculture

Program Description

Forestry is an applied science that involves managing forest ecosystems within increasingly complex social environments. Forestry is also a challenging, demanding profession that combines forest ecosystem sciences, management sciences and communications skills for conserving and managing forest resources to meet society's ever increasing needs for commodities, services and a healthy environment. The University of Maine has the longest, continuously-accredited professional Forestry program in the United States. The four-year curriculum, accredited by the Society of American Foresters, retains a strong field orientation. In addition, students are strongly encouraged to take advantage of the numerous opportunities for summer employment with public and private land-management organizations.

Career Opportunities

The Forestry program provides a very broad education that allows foresters to seek employment in a wide range of positions, but most work with some aspect of forest resources management. Federal agencies, such as the United States Forest Service, the Bureau of Land Management and the National Park Service employ thousands of foresters. State natural resources agencies hire foresters to manage state forestlands and to provide advice to owners of small woodland properties. Large private forest ownerships are a major employer of foresters in states like Maine. An increasing number of Forestry graduates become independent consultants, serving mostly small private forestland owners. Others find employment with private, non-profit conservation organizations.

General Education Requirements*

- ENG 101 College Composition
- 18 credits Human Values & Social Context area (*a single course may satisfy more than 1 sub-category, but a total of 18 credits must be completed*)
 - Western Cultural Tradition
 - Social Context & Institutions
 - Cultural Diversity & International Perspectives
 - Population & the Environment
 - Artistic & Creative Expression
- 2 courses Designated Writing Intensive (*1 must be within the major*)
- 2 courses Biological or Physical Sciences (*must include at least 1 laboratory course*)
- 1 course Ethics (*emphasis on discussion of ethical issues in 1 course or series of courses*)
- 6 credits Mathematics (*including statistics & some computer science, only 3 credits in computer science can count toward this requirement*)
- 1 capstone An approved experience in which the student integrates the components of his or her undergraduate training to perform at a professional level. The capstone experience is usually completed during the senior year in consultation with the student's academic advisor.

**All UMaine students must complete these general education requirements, which are counted in the total credit hours required for graduation and may be contained in the Major Requirements previously listed.*

Specialized Information

Under the New England Regional Student Program, administered through the New England Board of Higher Education, the Bachelor of Science degree in Forestry is open to applicants who reside in Connecticut or Rhode Island for reduced tuition (in-state tuition plus 50 percent).

Graduate Study

The School of Forest Resources offers a Doctor of Philosophy degree in Forest Resources, a Master of Science in Forest Resources and a non-thesis Master of Forestry program. The Master of Forestry is accredited as a first degree in Forestry for students with a prior B.A. or B.S. degree in another discipline. Most of the Forestry faculty are involved in active research programs and offer graduate research assistantships in their areas of specialty. Graduate teaching assistantships are also available.

Curriculum for the B. S. in Forestry

Semester 1	Cr	Ged	Semester 2	Cr	Ged
FES 100 [Intro. Forest Biology]	4		FTY 105 [Intro. For. Measure.]	3	
FTY 101 [Intro. Forest Resour.]	1		CMJ 103** [Public Speaking]	3	<i>Hs</i>
ENG 101 [College Composition]	3		WLE 230 [Intro. Wild. Cons.]	3	<i>Hp</i>
MAT 122 [Pre-Calculus]*	4	<i>M</i>	FTY 104 [Stat. Inf. For. Mgmt.]	3	<i>M</i>
FTY 107 [Forest Vegetation]	4		ECO 100 [Intro. to Economics]	3	<i>Hs</i>
Total	16		Total	15	

May Term: FTY 241 [Field Practice] (3 cr.)

Semester 3	Cr	Ged	Semester 4	Cr	Ged
FTY 208 [For. Survey & Map.]	3		FTY 206 [Photog./Rem. Sense.]	3	<i>Sl</i>
CHY 121/123 [Chemistry I]	4	<i>Sl</i>	FTY 266 [Advanced Forest Mgmt]	3	
WSC 314 [Wood/Fiber Proc.]	4	<i>W</i>	CHY/PHY [Elective]**	4	
or WSC 212/WSC 213 [Wd Sci/ID]		<i>Sl</i>	PSE 140 [Soil Science]	3	<i>Sa</i>
Electives	6		Electives	3	
Total	17		Total	16	

Semester 5	Cr	Ged	Semester 6	Cr	Ged
FTY 457 [For. Water. Mgmt.]	3		FTY 444 [For. Resour. Econ.]	3	<i>Hs</i>
FES 407 Forest Ecology]	3		FTY 480 [Applied GIS]	3	
FES 408 [Silviculture]	3		FES 456-458 [Tree Pests & Diseases]	4	<i>W</i>
FES 409 [For. Ecol./Silvic. Lab]	2		Electives	6	
FSC 401 [Timber Harvesting]	3		Total	16	
Total	14				

Semester 7	Cr	Ged	Semester 8	Cr	Ged
PRT 352 [Forest Rec. Mgmt.]	3		FTY 446 [For. Resour. Policy]	3	<i>Hs E</i>
FTY 476 [Forest Management I]	3	<i>C, W</i>	FTY 477 [Forest Management II]	4	<i>C</i>
Electives	9		Directed Elective****	3	
Total	15		Electives	6	
			Total	16	

Total credits: 128. Total elective credits: 33 (A maximum of 9 of which are needed to cover the University General Education Requirements in Hw, Hc, Ha, and W; 3 are required for the directed elective). Minimum free elective credits: 21. *MAT 126 (Calculus) is strongly recommended for students interested in courses that have a calculus prerequisite or who are considering graduate studies. **CMJ 102 is not acceptable as a substitute for CMJ 103. ***CHY/PHY elective must be a CHY 122/124 (or 132/134) or higher (BMB 221 is acceptable), or PHY 111 or higher (PHY 107 acceptable by exception only). ****Directed elective is a required 400 - level, 3 - credit course from FES, FSC, FTY, PRT, or WSC. Courses that meet the General Education Requirements (Ged) are indicated by *Sl* (Lab. science), *Sa* (Applied Science), *M* (Mathematics), *E* (Ethics), *Hw* (Western Cultural Tradition), *Hs* (Social Contexts and Institutions), *Hc* (Cultural Diversity and International Perspectives), *Hp* (Population and the Environment), *Ha* (Artistic and Creative Expression), *W* (Writing Intensive), and *C* (Capstone Experience).

Academic Programs 2008-2009

Please refer to the web site (<http://factsheets.umaine.edu/>) for the most updated version of the fact sheets.

This fact sheet is intended for informational purposes only and is subject to change.