

BACHELOR OF SCIENCE IN FOREST RESOURCES MANAGEMENT

Professional forestry education has been featured at ESF since the College's founding in 1911. Today's Forest Resources Management program is the top (#1) Forestry Program in the United States according to [Study.com](https://www.study.com). The program is based on a clear vision that combines professional competency with a strong foundation in the biophysical sciences, humanities, and social sciences to meet society's needs for forest managers.

Many ESF students enjoy trees and forests and want to work in forested settings. They appreciate nature, and want to master the knowledge and skills needed to conserve and manage forests and the environment. With 25,000 acres of college forestlands as teaching and research laboratories, ESF provides many opportunities to meet student needs for experiential learning. The Forest Technology program at ESF's Wanakena campus prepares students for careers in field forestry and is one option towards the Forest Resources Management program that emphasizes field skills. Internships with forest-based organizations in the private, public and nonprofit sectors amplify these hands-on experiences. Practical experience is combined with learning concepts and problem solving and critical thinking skills in the classroom and laboratory on ESF's Syracuse campus.

[Forest resources management](#) is an integration of forest ecology and biology, forest measurements, forest policy and administration, and courses to predict and evaluate the effects of manipulation.

Timber, water, soils, recreation, wildlife, and a broad array of environmental values and services, such as biodiversity and healthy forest systems, are important results of effective management. This major prepares students to be well-rounded generalists who can practice forestry and succeed as professionals in a variety of allied natural resources management fields.

Forest resources management offers a wide variety of employment opportunities. Our graduates are working throughout the United States as professional foresters and natural resource managers in private industry, public agencies, and for nonprofit organizations. Their duties can range from timber management to recreation planning to environmental education, to name a few.

The educational program, leading to the professional Bachelor of Science degree in Forest Resources Management, is accredited by the Society of American Foresters (SAF) under Forestry.

Lower Division Required Courses

APM 103	Applied Algebra & Trigonometry	3
OR		
APM 104	College Algebra & PreCalculus	3
APM 391	Intro/Probability&Stats	3
EFB 100	Survey of Biology	4
EFB 336	Dendrology I	3

ESF 200	Information Literacy	1
EWP 190	Writing And The Envrnment	3
EWP 220	Public Presentation Skills	2 - 3
EWP 290	Research Writing & Humanities	3
FCH 150	General Chemistry I	3
AND		
FCH 151	General Chemistry I Lab	1
OR		
FCH 110	Survey of Chemical Principles	3
AND		
FCH 111	Survey/Chemical Principles Lab	1
FOR 132	Orientation Seminar: SRM	1
FOR 207	Introduction To Economics	3
FOR 232	Natural Resources Ecology	3
FOR 313	Tree Structure and Function	3
FOR 332	Forest Ecology	4
<i>Upper Division Required Courses</i>		
ESF 300	Intro/Geospatial Info Tech	3
FOR 304	Adirondack Field Studies	4
FOR 322	Nat Res Measuremnts & Sampling	3
FOR 323	Forest Biometrics	3
FOR 333	Natural Resrc Managerial Econ	3
FOR 334	Silviculture	4
FOR 345	Introduction to Soils	3
FOR 360	Principles of Mgmt/Envrn Prof	3
FOR 370	Forest Mgmt Dec Mkng&Plng	3
FOR 373	Sustainable Harvesting Pract	3
FOR 402	Prof Forestry Mentoring Prog	1
FOR 421	Prctical Ethics for Rsrce Mgrs	3

FOR 433	Advanced Silviculture	3
FOR 465	Natural Resources Policy	3
FOR 490	Integrated Resources Mgt	3

Elective Courses

Course	Codes*	Credits
Technical Electives Technical electives must include at least one course in each of the subject areas: human dimensions; water resources; forest health; wildlife management; business finances; and wood products. Students should consult with their advisor and the Forest and Natural Resources Management Handbook for recommended courses	PE	18
Free Electives		15
General Education Course in one of the following categories: US History & Civic Engagement, The Arts, World History and Global Awareness, World Languages	G	3
General Education Course in Diversity, Equity, Inclusion and Social Justice	G	3

Total Minimum Credits For Degree: 125

