

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 consistently ranked as one of the top forestry programs in the United States according to 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

OR

APM 104

APM 210

EFB 100

EFB 336

ESF 200

EWP 190

EWP 220

EWP 290

FCH 110

AND

FCH 111

OR

FCH 150

AND

FCH 151

FOR 132

FOR 207

FOR 232

FOR 313

FOR 332

Upper Division Required Courses

ESF 300

FOR 304

FOR 322

FOR 323

FOR 333

FOR 334

FOR 345

FOR 360

FOR 370

FOR 373

FOR 402

FOR 421

FOR 433

FOR 465

FOR 490

Elective Courses

Course	Codes*	Credits
Technical Electives (see below)	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

Technical Electives

Eighteen (18) technical elective hours are restricted to six (6) resource areas: business finances, forest health or protection, human dimensions, water resources, wildlife management, and wood technology/science. Students must choose one course from each of these resource areas to meet graduation requirements. Courses that satisfy this requirement include the following (other courses may be substituted with an approved petition):

Business Finances

- FOR 205 Principles of Accounting
- ACC 151 Intro. to Financial Accounting
- ACC 201 Essentials of Accounting

Forest Health/Protection

- EFB 340 Forest and Shade Tree Pathology
- EFB 351 Forest Entomology
- EFB 352 Entomology

Human Dimensions

- EST 353 Behavior Change & the Environment
- EST 370 Intro. Personal Environ. Interpret. Methods
- EST 471 Non-personal Environ. Interpret. Methods
- EST 366 Environmental Ethics

- FOR 372 Fundamentals of Outdoor Recreation

Water Resources

- FOR340 Watershed Hydrology
- FOR442 Watershed Ecology and Management

Wildlife Management

- EFB 390 Wildlife Ecology and Management
- EFB 413 Introduction to Conservation Biology
- EFB 484 Mammalian Winter Ecology
- EFB 487 Fisheries Science and Management

Wood Technology/Science

- CME 400 Introduction to Forest Products
- CME 444 Materials Marketing
- RMS 387 Renewable Materials for Sustainable Construction

Total Minimum Credits for Degree: 125

