



ESF Minor Curriculum Change Proposal Form

Committee on Curriculum - ESF Faculty Governance
Office of Instruction & Graduate Studies

Date: November 29, 2022
Department: SRM
Curriculum Title: Forest Resources Management

For Minor Changes in existing curriculum (check all that apply):

- | | |
|---|--|
| <input checked="" type="checkbox"/> revised courses | <input type="checkbox"/> change in total cr. hrs. |
| <input type="checkbox"/> new course sequence | <input type="checkbox"/> new program objectives* |
| <input checked="" type="checkbox"/> new courses added | <input type="checkbox"/> new accreditation/assessment requirements |

*See SUNY Guidelines

1. Rationale for Change

Please provide an explanatory narrative outlining the rationale for the change, and the impacts of this change on the learning outcomes of the curriculum:

Minor change to
(1) accommodate new SUNY General Education Framework by adding new DEISJ requirement, and
(2) change biology requirement by replacing EFB 101/102 Biology I with lab with EFB 100 Survey of Biology

Current Curriculum				Proposed change		
FOUNDATION COURSES (with suggested ESF classes)				SUNY GER	Credits	Credits
English I	EWP190 Writing & the Environment	Basic Comm.	3			
English II	EWP290 Research, Writing & Humanities	Humanities	3			
Biology I (w/lab)	EFB101/102 General Biology I	Natural Science	4			Change to EFB100 Survey of Biology
Chemistry I (w/lab)	FCH110/111 Survey of Chemical Principles	Natural Science	4			
Ecology	FOR232 Natural Resources Ecology	Natural Science	3			
Math	APM103 Appl. Alg. & Trig.	Math	3			
Statistics	APM391 Intro. to Probability & Statistics	Math	3			
Economics	FOR207 Intro. to Economics	Social Science	3			
Public speaking	EWP220 Public Presentation Skills.	--	3			
Info. Literacy	ESF200 Information Literacy	--	1			
Prin. of Management	FOR360 Principles Manage. for Env. Prof.	--	3			
General Education		DEISJ		3	Add Gen Ed DEISJ course, add 3 credits	
General Education	Select from two (2) of five (5) subject areas	varies	6	3	Change to "Select from one (1) of four (4) subject areas", reduce to 3 credits	
Minimum Credit Hours				39	39	
FRM PROFESSIONAL COURSES				Credits		
	EFB336 Dendrology		3			
	ESF300 Introduction to Geospatial Information Technologies		3			
	FOR132 Freshman orientation seminar		1			
	FOR313 Tree Structure and Function		3			
	FOR304 Adirondack Field Studies		4			
	FOR322 Natural Resources Measurements and Sampling		3			
	FOR324 Forest Biometrics		3			
	FOR332 Forest Ecology		4			
	FOR333 Managerial Economics for Environmental Professionals		3			
	FOR334 Silviculture		4			
	FOR345 Introduction to Soils		3			
	FOR370 Forest Management Decision Making and Planning		3			
	FOR373 Sustainable Harvesting Practices		3			
	FOR402 Professional Mentoring Program		1			
	FOR421 Practical Ethics for Resource Managers		3			
	FOR433 Advanced Silviculture		3			
	FOR465 Natural Resources Policy		3			
	FOR490 Integrated Resources Management		3			
	Business Finance Technical Elective		3			
	Forest Health/Protection Technical Elective		3			
	Human Dimensions Technical Elective		3			
	Water Resources Technical Elective		3			
	Wildlife Management Technical Elective		3			
	Wood Technology/Science Technical Elective		3			
Minimum Credit Hours				71		
Free Electives				15		
TOTAL REQUIRED FOR GRADUATION				125		

2. Institutional Impact:

Changes from existing condition:

Anticipated Enrollment or Enrollment Change: 0

Faculty or Staffing Requirements: 0

Technology, Computing Resources, and Classroom Resource Demands: None

Change in Accreditation Requirements: None

Changes to Assessment Plan: None

Library Resource Requirements: None

3. Catalog Narrative:

Please attach to this proposal form a copy of the current catalog description in MS Word format, with revisions shown in "track changes".

[See next pages](#)

Bachelor of Science in Forest Resources Management

- www.esf.edu/fnrm/frm

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://study.com/degrees/bachelors-degrees-in-forestry.html>). 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

Course		Codes*	Credits
APM 103	Applied College Algebra and Trigonometry	G	3
OR			
APM 104	College Algebra and Precalculus	G	3
APM 391	Introduction to Probability and Statistics	G	3
EFB 101	General Biology I: Organismal Biology and Ecology	G	3

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<u>EFB 102</u>	<u>General Biology I Laboratory</u>	<u>G</u>	<u>4</u>
<u>EFB 100</u>	<u>Survey of Biology</u>	<u>G</u>	<u>4</u>
EFB 336	Dendrology		3
ESF 200	Information Literacy		1
EWP 190	Writing and the Environment	G	3
EWP 220	Public Presentation Skills		3
EWP 290	Research Writing and Humanities	G	3
FCH 150 AND FCH 151 OR FCH 110 AND FCH 111	General Chemistry I General Chemistry Laboratory I Survey of Chemical Principles Survey of Chemical Principles Laboratory	G G G	3 1 3 1
FOR 132	Orientation Seminar: F&NRM		1
FOR 207	Introduction to Economics	G	3
FOR 232	Natural Resources Ecology	G	3
FOR 313	Tree Structure and Function		3
FOR 332	Forest Ecology		4
Electives			9

Upper Division Required Courses

Course	Codes*	Credits
ESF 300	Introduction to Geospatial Information Technologies	3
FOR 304	Adirondack Field Studies	S 4
FOR 322	Natural Resources Measurements and Sampling	3
FOR 323	Forest Biometrics	3
FOR 333	Natural Resources Managerial Economics	3
FOR 334	Silviculture	4
FOR 345	Introduction to Soils	3

FOR 360	Principles of Management		3
FOR 370	Forest Management Decision Making and Planning		3
FOR 373	Sustainable Harvesting Practices		3
FOR 402	Professional Forestry Mentoring Program		1
FOR 421	Practical Ethics for Resource Managers		3
FOR 433	Advanced Silviculture		3
FOR 465	Natural Resources Policy		3
FOR 490	Integrated Resources Management		3

Upper Division Electives

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
ESF XXX	Diversity, Equity, Inclusion and Social Justice course (TBD)	G	3
General Education courses in <u>two-one</u> of the following categories: American History , Foreign Language , The Arts , Western Civilization , Other World Civilizations , US History and Civic Engagement , The Arts , World History and Global Awareness , World Languages		G	6.3

Total Minimum Credits For Degree: 125

4. Curriculum Transition Plan:

Please provide a narrative description of your plan for transitioning from your existing curriculum to the proposed new curriculum. Please provide specific dates for implementing curriculum changes, overlap periods where old and new curricula may exist simultaneously, and final phase out of old curricula. Please also include impacts and mitigating considerations for transfer students and students in mid-program during implementation, impacts of changes in semester delivery of existing courses, addition of new courses within a particular semester, etc.

All CM students entering the program in Fall 2023 will be required to satisfy the requirements of the new curriculum. Existing students have the option to remain in the curriculum that existed when they entered ESF, or switch to the new curriculum.

5. Approval Signatures:

Signatures below, or attached letters, indicate that the affected departments, programs or units have been notified of this proposal and have had an opportunity to assess the impact of the proposal on their respective units. If departments did not respond to your notification, you may wish to document your effort to contact them.

Affected Academic Department(s) or Program(s):

Department/Program 1

Name of Chair/Program Director

Chair Signature

Date

Or letter attached

Department/Program 2

Name of Chair/Program Director

Chair Signature

Date

Or letter attached

Department/Program 3

Name of Chair/Program Director

Chair Signature

Date

Or letter attached

[If more/less than three Departments/Programs, please add/delete lines as appropriate.]

Other Units

Library Director

Date

Or letter attached

Computing and Network Services _____ Date _____ Or letter attached

Physical Plant _____ Date _____ Or letter attached

Forest Properties _____ Date _____ Or letter attached

Environmental Health and Safety _____ Date _____ Or letter attached

Admissions _____ Date _____ Or letter attached

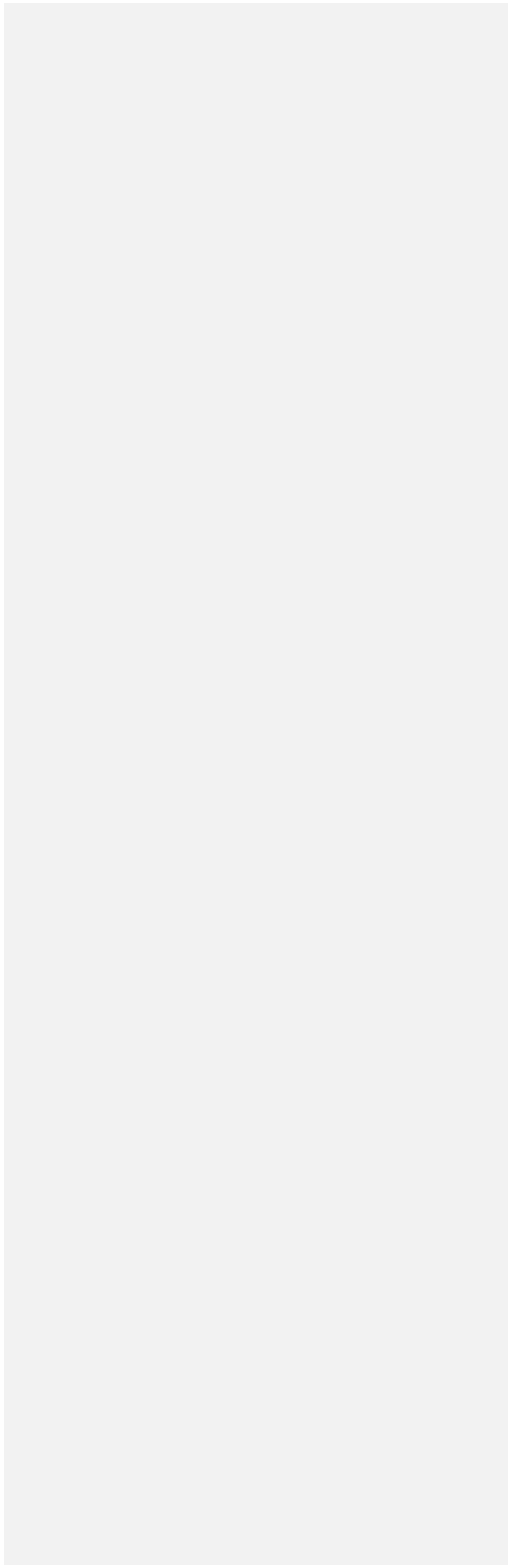
Other _____ Date _____ Or letter attached

Other _____ Date _____ Or letter attached

Office of the Provost

Signature below, or attached letter, indicates that the Provost either a) agrees that that there is no need for additional resources from the College; or b) indicates willingness to provide the extra support to the department.

Provost Signature _____ Date _____ Or letter attached



6. Proposer Information and Department Chair Affirmation:

Contact Person:

Name: Eddie Bevilacqua Department: SRM

Email: ebevilacqua@esf.edu Phone: x6697

This proposal has been reviewed and approved by the sponsoring Department. Affected departments have been notified and given the opportunity to provide feedback. Department resources are or will be made available to support this curriculum revision, or a plan is in place to meet the resource needs as identified in the Institutional Impacts section of this proposal (see Section 2, above) .

Name: Chris Nowak Date: _____
Department Chair (or designated curriculum representative)

Signature: _____ Or letter attached
Department Chair (or designated curriculum representative)

