



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: Natural 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 changes to

- (1) accommodate new SUNY General Education Framework by adding new DEISJ requirement,
- (2) change biology requirement by replacing EFB 101/102 Biology I with lab with EFB 100 Survey of Biology, and
- (3) change physics requirement by replacing PHY 101 Major Concepts of Physics I with FOR 110 Environmental Physics

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 EFB 100 Survey of Biology	
Chemistry I (w/lab)	FCH110/111 Survey of Chemical Principles	Natural Science	4			
Physics	PHY101 Concepts of Physics		4	3	Change to FOR XXX Environmental Physics*	
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			
Sociology	EST202 Intro. to Sociology	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				46	46	
FRM PROFESSIONAL COURSES				Credits		
	ESF300 Introduction to Geospatial Information Technologies		3			
	FOR132 Freshman orientation seminar		1			
	FOR205 Principals of Accounting		3			
	FOR304 Adirondack Field Studies		4			
	FOR322 Natural Resources Measurements and Sampling		3			
	FOR333 Managerial Economics for Environmental Professionals		3			
	FOR345 Introduction to Soils		3			
	FOR372 Fundamentals of Outdoor Recreation		3			
	FOR465 Natural Resources Policy		3			
	FOR475 Recreation Behavior and Management		3			
	FOR485 Business Law		3			
	FOR490 Integrated Resources Management		3			
	LSA333 Plant Materials		2			
	Vegetation Management Directed Elective		3			
	Water Resources Directed Elective		3			
	Technical Writing Directed Elective		3			
	Wildlife or Fisheries Directed Elective		3			
	Specialized NRM Directed Electives (2 courses)		6			
Minimum Credit Hours				55		
Free Electives				21	22 Increase by one due to Physics change	
TOTAL REQUIRED FOR GRADUATION				122		

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 Natural Resources Management

- www.esf.edu/fnrm/nrm

The Natural Resources Management (NRM) program is structured to introduce students to a wide range of renewable natural resources (soils, water, vegetation, wildlife, recreation), while maintaining substantial flexibility for student-centered learning in understanding and managing natural systems. It is based on a vision that combines professional competency in management skills with a strong foundation in the social and biophysical sciences.

The program develops professional skills that employers tell us are the most important traits they look for in new employees. These traits are developed through a broad base of classes in the natural sciences, social sciences and humanities, communication, and quantitative and qualitative problem-solving skills. The majority of work scheduled during the first two years (lower division) is in these areas. This major prepares students to be well-rounded natural resources managers.

The educational program, leading to the professional degree in Natural Resources Management, is accredited by the Society of American Foresters (SAF) under Natural Resources and Ecosystem Management.

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
EFB 102	General Biology I Laboratory	G	1
EFB 100	Survey of Biology	G	4
EFB 200	Physics of Life		3
OR			
PHY 101	Major Concepts of Physics I		4
FOR 110	Environmental Physics	G	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

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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 1	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 360	Principles of Management		3
FOR 372	Fundamentals of Outdoor Recreation		3
LSA 333	Plants Materials		2
Electives			9

Lower Division Elective Courses

Course	Codes*	Credits
ESF XXX	Diversity, Equity, Inclusion and Social Justice course (TBD)	<u>G</u> <u>3</u>
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 <u>6.3</u>
Sociology or Psychology Course One course from EST 203, SOC 101 or PSY 205.		3

Upper Division Required Courses

Course	Codes*	Credits
ESF 300	Introduction to Geospatial Information Technologies	3
FOR 205	Principles of Accounting	3
FOR 304	Adirondack Field Studies	S 4
FOR 322	Natural Resources Measurements and Sampling	3
FOR 333	Natural Resources Managerial Economics	3
FOR 345	Introduction to Soils	3

FOR 465	Natural Resources Policy		3
FOR 475	Recreation Behavior and Management		3
FOR 485	Business and Managerial Law		3
FOR 490	Integrated Resources Management		3

Upper Division Electives

Course	Codes*	Credits
Free Electives		<u>21,22</u>
Vegetation Management		3
Technical Writing Directed Elective		3
Water Resources Directed Elective		3
Wildlife or Fisheries Course One course from EFB 390, EFB 413, or EFB 487		3-4
Specialized NRM Course: Two upper division courses with a Natural Resources focus, see FNRM Student Handbook		6

Total Minimum Credits For Degree: 122

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)

