



State University of New York
College of Environmental Science and Forestry

Administrative Approval Form – Curriculum*

Academic Affairs Committee - ESF Academic Governance

Date: 12/12/24
Department: Environmental Biology
Curriculum Title: Plant Science Minor
Name of Requestor: Terrance Caviness

Attach to this form a copy of the ESF Minor Curriculum Change Proposal Form with all sections completed. Send the completed documents to curriculum@esf.edu

Description of the Change:

Reduction of prerequisites to 1 semester of biology and expansion of double counting of minor and major requirements to nine credits

For AAC and OAA use Only

☒ Approve

☐ Deny (Explanation if denied): _____



04/03/2025

Date

Associate Provost for Academic Affairs

*Form to be used for minor changes only. "Minor" curriculum changes appropriate for administrative approval should be limited to ONE of the following examples: 1) Adding a new course to a curriculum's list of required courses; 2) Adding a new course to a curriculum's list of directed elective courses; 3) Revising an existing course that is a part of a curriculum's list of required courses (i.e. number, prefix, or title change); 4) Revising an existing course that is a part of a curriculum's list of directed elective courses (i.e. number, prefix, or title change); 5) Adjusting course sequencing within a curriculum that does not change lists of required courses or directed electives or total credit hours, and has no impact on students outside of the major; or 6) Minor changes to curriculum description/language in the college catalog that does not change course tables or total credit hours required for a major.

If two or more of the above changes are proposed, the proposal should be submitted to the Academic Affairs Committee as a minor curriculum change and will not be considered for administrative approval.

Approvals will be posted on AAC website.



ESF Minor Curriculum Change Proposal Form

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

Date: 12/12/24
Department: Environmental Biology
Curriculum Title: Plant Science

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 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:

To make the minor more accessible to students from other departments

2. Institutional Impact:

Changes from existing condition:

Anticipated Enrollment or Enrollment Change: no change

Faculty or Staffing Requirements: no change

Technology, Computing Resources, and Classroom Resource Demands: no change

Change in Accreditation Requirements: no change

Changes to Assessment Plan: no change

Library Resource Requirements: no change

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".

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 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 ☐

7. Final Approvals:

Curriculum Committee

Date

Faculty Governance

Date

Provost

Date

Plant Science Minor

Coordinator: Dr. Danilo Fernando

The minor is intended to give students a broad perspective plant biology. Through required coursework on diversity, evolution, and structure and function of plants, students will have a foundational knowledge that is further developed through directed electives in 4 categories: Diversity, Ecology, Plant Structure/Function/Genetics, and/or Plant Cultivation/Management.

The minor is open to all ESF undergraduate students who maintain a GPA of at least 2.70 after completing at least one semester at ESF and who have ~~completed EFB 101/102 & 103/104 General Biology (8 cr) one semester of introductory biology or their equivalents~~. A maximum of ~~6~~ 9 of 18 credits may count toward both major and minor degree requirements.

Required Courses

- EFB 326 Plant Evolution, Diversification, and Conservation (3)
- EFB 427 Plant Anatomy & Development (3) OR EFB 429 Plant Physiology (3)

Elective Credits – 12 credits from a minimum of 2 categories

- Plant Diversity
 - EFB 327 Adirondack Flora (3) (CLBS)
 - EFB 336 Dendrology I (3)
 - EFB 435 Flowering Plants: Diversity, Evolution, & Systematics (3)
 - EFB 433 Flora of Central New York (Summer) (3)
 - EFB 446 The Ecology of Mosses (3)
 - LSA 233 Plants in the Landscape (3)
- Plant Ecology
 - EFB 337 Field Ethnobotany (CLBS) (3)
 - EFB 340 Forest/Shade Tree Path (3)
 - EFB 445 Plant Ecology & Global Change (3)
 - EFB 449 Ecology & Management of Waterfowl (3)
 - EFB 496 Wetland Plants & Communities of Adirondacks (3)
 - EFB 504 Plant-Herbivore Interactions (3)
 - EFB 542 Freshwater Wetland Ecosystem (3)
- Plant Structure/Function/Genetics
 - BTC 425 Plant Biotechnology (3)
 - EFB 427 Plant Anatomy & Development (3)
 - EFB 429 Plant Physiology (3)
 - FOR 313 Tree Structure and Function (3) Not recommended if EFB 429 has been taken due to similarity
- Plant Cultivation/Management
 - BTC 426 Plant Tissue Culture Methods (3)
 - EFB 437 Plant Propagation (3)
 - FOR 481 Introduction to Arboriculture (3)