

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) or their equivalents. **A maximum of 6 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)
- **Plant Cultivation/Management**
 - BTC 426 Plant Tissue Culture Methods (3)
 - EFB 437 Plant Propagation (3)
 - FOR 481 Introduction to Arboriculture (3)