

PLANT SCIENCE MINOR

Plant scientists sustain and improve our current and future world as they work in careers connected to foods, fibers, fuels, pharmaceuticals, ornamental plants, managed landscapes, and native ecosystems. The Plant Science Minor helps develop an interdisciplinary perspective on the science of plant production and its applications for managing plants in human and natural systems. The minor can enrich student preparation for most careers, from law or sustainable construction to agriculture and natural resource management.

About this Program

- **College:** Agricultural and Life Sciences (<http://catalog.ufl.edu/UGRD/colleges-schools/UGAGL/>)
- **Credits:** 15-19 | Completed with minimum grades of C

Department Information

The Department of Agronomy's vision is to improve and sustain food production while conserving natural resources and promoting healthy and active lives by creating and disseminating knowledge in the plant sciences. The department's mission is to achieve excellence in the science of using plants for food, feed, fuel, fiber and turf, as well as in the management of weed species, through research, teaching, and outreach programs that serve the people of Florida, the nation, and the world.

More Info (<https://agronomy.ifas.ufl.edu/>)

CONTACT

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Map (<http://campusmap.ufl.edu/#/index/0496>)

Curriculum

- Agroecology and Sustainable Food Systems Certificate
- Combination Degrees
- Golf and Sports Turf Management Minor
- Plant Science

This minor is open to undergraduates whose major is not Plant Science.

The Plant Science Program is an interdisciplinary collaboration of four core academic departments: Agronomy, Environmental Horticulture, Horticultural Sciences, and Plant Pathology. In addition, two affiliate departments of Entomology and Nematology, and Soil, Water, and Ecosystem Sciences, help frame the broader systems that connect to the plant sciences.

These departments work in concert with the goal of helping students find careers that fulfill and nourish them and the world.

Interested students should consult a Plant Science Academic advisor early in their academic careers.

Required Courses

Code	Title	Credits
PLS 3004C	Principles of Plant Science	3
<i>Select two Plant Production or Systems courses:</i>		6-8
AGR 4212	Alternative Cropping Systems	
AGR 4214C	Applied Field Crop Production	
AGR 4231C	Forage Science and Range Management	
ALS 3153	Agricultural Ecology	
EVR 3323	Introduction to Ecosystem Restoration	
HOS 3020C	Principles of Horticultural Crop Production	
HOS 3222C	Greenhouse and Protected Agriculture	
HOS 3281C	Organic and Sustainable Crop Production	
ORH 3253C	Introductory Nursery Management	
ORH 3773 & 3773L	Public Gardens and Public Gardens Laboratory	
ORH 3815C	Florida Native Landscaping	
ORH 4223	Golf and Sports Turf Management	
ORH 4236C	Ornamental Landscape Management	

PLS 3421C	Hydroponic Systems	
PLS 4242C	Micropropagation of Horticultural Crops	
<i>Select one Plant Pest, Disease, or Weeds course:</i>		3-4
IPM 3022	Fundamentals of Pest Management	
IPM 4114	Insect Pest and Vector Management	
PLP 3002C	Fundamentals of Plant Pathology	
PLP 3230	Survey of Plant Pathogens	
PLS 4601C	Principles of Weed Science	
PLS 4630	Organic Weed Management	
<i>Select one Plant Mechanisms course:</i>		3-4
AGR 4304	Plant Chromosomes and Genomes	
AGR 4320	Plant Breeding	
AGR 4512	Physiology and Ecology of Crops	
HOS 3430C	Nutrition of Horticultural Crops	
HOS 4241C	Genetics and Breeding of Vegetable Crops	
HOS 4304	Horticultural Physiology	
ORH 4256	Nutritional Management of Nursery Crops	
PLS 3223 & 3223L	Plant Propagation and Plant Propagation Laboratory	
Total Credits		15-19

All additional categories for course choices have multiple available options that do not require further prerequisites. However, some of the more advanced options do have additional prerequisites, so please account for that when choosing courses, and work with the Plant Science Academic Advisor with any questions.

Students must complete a minimum of six credits of coursework exclusive to the minor that cannot count toward the major(s) or other minors.
