PLANT BREEDING MINOR

The Plant Breeding minor teaches the next-generation science that is used to genetically improve plants for food, feed, fiber, fuel, shelter, landscape beautification, ecosystem services, and more. It provides a foundation for those seeking employment in cultivar development or an advanced degree in genetics and plant breeding. It is particularly appropriate for students majoring in plant science, although it is available to students in other majors. The Agronomy Department facilitates this interdisciplinary minor, a cooperative effort of the departments of Agronomy, Horticultural Sciences, and Plant Pathology.

About this Program

- **College:** Agricultural and Life Sciences (https://catalog.ufl.edu/UGRD/colleges-schools/UGAGL/)
- **Credits:** 15-16 | completed with minimum grades of C
- **Contact:** Email (zxin@ufl.edu)

Required Courses

Code	Title	Credits
Introductory genetics - select one:		*3-4*
AGR 3303	Genetics	
MCB 4304	Genetics of Microorganisms	
PCB 3063	Genetics	
Plant breeding - select one:		*3*
AGR 4320	Plant Breeding	
HOS 4241C	Genetics and Breeding of Vegetable Crops	
Electives		*9*
AGR 4304	Plant Chromosomes and Genomes	
AGR 4320	Plant Breeding [1]	
BSC 2891	Python Programming for Biology	
FOR 4934	Introduction to Programming with R [2]	
HOS 3305	Introduction to Plant Molecular Biology	
HOS 3513C	Breeding and Production of Medicinal Plants and Herbs	
HOS 4313C	Laboratory Methods in Plant Molecular Biology	
HOS 4241C	Genetics and Breeding of Vegetable Crops [1]	
HOS 4392	Survey of Breeding Tools and Methods	
PLP 3002C	Fundamentals of Plant Pathology [2]	
PLP 4600	Introduction to RNA Engineering [2]	
PLS 4105	Genome Editing and Plant Biotechnology	
PLS 4242C	Micropropagation of Horticultural Crops	
Total Credits		**15-16**

1 One of these courses if not taken for plant breeding requirement

2 Only one of these courses can be counted towards the minor