

PLANT BREEDING AND PLANT GENETICS, DOCTORAL MINOR

REQUIREMENTS

REQUIREMENTS REQUIRED COURSES

Contact the program for more information concerning the minor.

Code	Title	Credits
Plant Breeding		
Students must complete at least 2 credits from Section A. Plant Breeding. Refer to the Core Curriculum table below.		2
Other Core Curriculum		
Students must complete 2 credits from another section of the Core Curriculum table below.		2
Seminar		
Students must complete 2 credits of the following seminar course.		2
PLANTSCI 957	Seminar in Plant Breeding and Plant Genetics	
Additional Coursework		
Students complete additional coursework to satisfy the 10-credit minimum requirement.		4
Total Credits		10

Core Curriculum

Code	Title	Credits
Section A. Plant Breeding		
PLANTSCI 501	Principles of Plant Breeding	3
PLANTSCI 502	Techniques of Plant Breeding	1
PLANTSCI 812	Selection Theory for Quantitative Traits in Plants	2
Section B. Genetics		
PL PATH 517	Plant Disease Resistance	2-3
PLANTSCI 550	Molecular Approaches for Crop Improvement	3
PLANTSCI/ GENETICS 615	Genetic Mapping	3
GENETICS/ BIOCHEM 631	Plant Genetics and Development	3
GENETICS/ BIOCHEM/ BOTANY 840	Regulatory Mechanisms in Plant Development	3
Section C. Quantitative Genetics and Biometry		
F&W ECOL/ STAT 572	Statistical Methods for Bioscience II	4
PLANTSCI 811	Biometrical Procedures in Plant Breeding	3

PLANTSCI 771 & PLANTSCI 772	Experimental Design and Analysis and Applications in ANOVA and Mixed Models	4
AN SCI 865	Design and Analysis of Biological Studies	4
Section D. Additional Courses		
PL PATH/BOTANY/ ENTOM 505	Plant-Microbe Interactions: Molecular and Ecological Aspects	3
BIOCHEM/ BOTANY 621	Plant Biochemistry	3
GENETICS 633	Population Genetics	3
BOTANY 500	Plant Physiology	3-4