

MASTER OF SCIENCE IN BIOAGRICULTURAL SCIENCES, PLAN B, PEST MANAGEMENT SPECIALIZATION

Requirements Effective Fall 2023

Code	Title	Credits
AB 551	Advanced Integrated Pest Management	4
Section 1. Core Foundation (15 credits)		
BSPM 587	Internship ¹	3
BSPM 698	Research ²	6
BSPM 792	Seminar ³	2
Section 2. Agricultural Biology Electives. Select 13-19 credits from this list. Do not exceed the number of 300/400-level credits permitted by the Graduate School for this degree. 13-19		
AB 340	Insect Biotechnology	
AB 410	Understanding Pesticides	
AB 509	Herbicide Selectivity and Action	
AB 511	Microbiome of Plant Systems	
AB 515	Plant Biochemistry in Agriculture	
AB 521	Forest Health Issues	
AB 529	Pesticide Resistance Evolution and Management	
AB 554	Biology of Fungal Plant Pathogens	
AB 555	Topics in Plant Pathology–Plant Virology	
BSPM 302	Applied and General Entomology ⁴	
BSPM 308	Ecology and Management of Weeds ⁴	
BSPM 361	Elements of Plant Pathology ⁴	
BSPM 365	Integrated Tree Health Management	
BSPM 500	Foundations of Bioagricultural Sciences	
BSPM 502B	Topics in Plant Pathology: Plant Bacteriology	
BSPM 526/BZ 526	Evolutionary Ecology	
BSPM 528	Invasive Plants/Weeds–Ecosystems to Molecules	
BSPM 550	Molecular Plant-Microbe Interactions	
BSPM 594	Independent Study	
Section 3. General Electives. Select 0-6 credits from this list. Do not exceed the number of 300/400-level credits permitted by the Graduate School for this degree. 0-6		
AGED 525	Agricultural and Extension Teaching	
AGRI 630	Integrated Decision Making/Management Skills	
AREC 478	Agricultural Policy	
HORT 515/ AGRI 515	Urban Horticulture	
FW 567	Wildlife Disease Ecology	

NR 577 Wetland Ecology and Restoration

Program Total Credits: 34

A minimum of 34 credits are required to complete this program.

- ¹ Internship placement to be selected in coordination with departmental program advisor and graduate advisor. Includes a professional development plan for the internship (3 credits).
- ² Includes a professional paper on topic related to student's specialization and approved by the student's advisor and graduate committee (6 credits).
- ³ Enroll in department seminar for 1 credit twice (2 semesters total, 2 credits total).
- ⁴ If these Foundation undergraduate courses were not taken during the undergraduate degree, complete as part of the MS degree.