

# Entomology and Plant Pathology — ABM

## Accelerated Bachelor's/Master's Curriculum for the Department of Entomology and Plant Pathology

The Accelerated Bachelor's/Master's Program (ABM) in the Department of Entomology and Plant Pathology offers outstanding students an opportunity to earn both the bachelor's and the master's degrees in less time and at less cost than usual. The ABM program allows these exceptional students to count up to 9 hours of graduate level classes toward both the bachelor's and master's degrees.

The Bachelor of Science in Crop and Soil Science in either the Production Option, Science Option, Soil, Water, and Land Use Option, or the Turfgrass Option, or the Bachelor of Science in Environmental Sciences can lead to a Master of Science in Entomology or Plant Pathology in the ABM track. Students pursuing a Bachelor of Science in Horticulture, Biological Sciences, or Forestry are also eligible for the ABM track that leads to a Master of Science in Entomology or Plant Pathology. Below is an example curriculum for a student in Environmental Sciences pursuing the Master of Science in Plant Pathology. Please see the Department of Entomology and Plant Pathology website for additional information, ABM tracks and curriculum models.

Below is a chart of all the approved courses that can be taken in the ABM program and what course that replaces at the undergraduate level for students pursuing the Master of Science in Entomology.

Code	Title	Hours
ENTM 6220	Insect Ecology (Replaces ENTM 5220 Insect Ecology)	4
ENTM 6300	Insect Diversity (Replaces ENTM 5300 Insect Diversity)	4
ENTM 6330	Integrated Pest Management (Replaces ENTM 5330 Integrated Pest Management)	3
ENTM 6360	Landscape Entomology (Replaces ENTM 5360 Landscape Entomology)	4
ENTM 6700	Vector Transmission of Plant Pathogens (Replaces ENTM 5700 Vector Transmission of Plant Pathogens)	3
ENTM 7990	Research and Thesis (Replaces ENTM 4980 Undergraduate Research)	2-4

Below is a chart of all the approved courses that can be taken in the ABM program and what course that replaces at the undergraduate level for students pursuing the Master of Science in Plant Pathology.

Code	Title	Hours
PLPA 6050	Plant Disease Diagnosis (Replaces PLPA 5060 Plant Disease Diagnosis)	3
PLPA 6200	Mycology (Replaces PLPA 5200 Mycology)	2
PLPA 6300	Plant-Bacterial Interactions (Replaces PLPA 5300 Plant-Bacterial Interactions)	2
PLPA 6330	Integrated Pest Management (Replaces PLPA 5330 Integrated Pest Management)	3
PLPA 6400	Plant Virology (Replaces PLPA 5400 Plant Virology)	2
PLPA 6500	Plant Nematology (Replaces PLPA 5500 Plant Nematology)	2
PLPA 6700	Vector Transmission of Plant Pathogens (Replaces PLPA 5700 Vector Transmission of Plant Pathogens)	3
PLPA 7990	Research and Thesis (Replaces PLPA 4980 Undergraduate Research)	2-4

## Junior and Senior Year for Students in ABM Program - Environmental Sciences

Courses marked with an asterisk are those that can be substituted by graduate level courses by students enrolled in the ABM program to meet nine undergraduate hours during their junior and senior year and nine graduate hours to be used toward their graduate degree.

### Junior

Fall	Hours	Spring	Hours
BIOL 3200 General Microbiology		3 CHEM 3050 Analytical Chemistry & CHEM 3051 Analytical Chemistry Laboratory	4
FORY 5470 GIS Applications in Natural Resources		2 CIVL 4210 Water and Wastewater Treatment and Design & CIVL 4211 Water and Wastewater Laboratory	4

CSES 2040 Basic Soil Science		4 *Professional Track	4
*Professional Track		6 BIOL 3060 Ecology	4
<b>Senior</b>			
<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>
ENVI 4950 Environmental Science Senior Seminar		2 *Professional Track	7
*Professional Track		4 Core Social Science	3
ECON 2020 Principles of Microeconomics		3 FORY 5043 Environmental Law	3
PHIL 1020 Introduction to Ethics		3 Core Literature	3
Core Fine Arts		3 UNIV 4AA0 Achieve the Creed	0

**Accelerated Master of Science in Plant Pathology**

**Fifth Year**

<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>	<b>Summer</b>	<b>Hours</b>
PLPA 7990 Research and Thesis	2	PLPA 7990 Research and Thesis	2	PLPA 7990 Research and Thesis	2
AGRI 6010 Analysis of Plant, Soil & Animal Data	3	PLPA 7990 Research and Thesis		2 PLPA Course	3
PLPA Course		3 PLPA Course		4	
		<b>8</b>			<b>5</b>

**Total Hours: 21**