AGRICULTURAL BIOLOGY (ENVIRONMENTAL BIOLOGY) - BACHELOR OF SCIENCE IN AGRICULTURE

The agricultural biology course work prepares you for a variety of careers in the biological sciences and agriculture. You will develop your curriculum with an academic advisor to attain your individual goals. Many will pursue advanced degrees in the sciences or prepare for admittance to professional schools (medical, dental, etc.). A diverse program is offered with five separate concentrations that allow you to tailor your program for careers in the commercial sector, such as agricultural consulting, and pest management or for careers with county, state, or federal agencies, such as research technicians, land managers, and extension agents. A minimum of 120 credit hours is required for graduation. Any undergraduate student majoring in Agricultural Biology must earn a grade of C- or higher in core (EPWS prefix) courses to satisfy degree requirements. Students earning a D or F in a core (EPWS prefix) course will be expected to repeat that course until the student earns a grade of C- or higher. The following courses are required for a major in Agricultural Biology.

The Environmental Biology concentration prepares you for professional positions in environmental impact, regulation, compliance and improvement.

Students must complete all University degree requirements, which include: General Education requirements, Viewing a Wider World requirements, and elective credits to total at least 120 credits with 48 credits in courses numbered 300 or above. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Prefix	Title	Credits		
General Education				
Area I: Communications	Area I: Communications			
English Composition - Level 1				
ENGL 1110G	Composition I	4		
English Composition - Level 2				
Choose one from the following:				
ENGL 2130G	Advanced Composition			
ENGL 2210G	Professional and Technical Communication Honors			
ENGL 2210H	Professional and Technical Communication Honors			
ENGL 2215G	Advanced Technical and Professional Communication			
Oral Communication				
Choose one from the following:		3		
ACOM 1130G	Effective Leadership and Communication in Agriculture			
COMM 1115G	Introduction to Communication			
COMM 1130G	Public Speaking			
Area II: Mathematics				
MATH 1220G	College Algebra ¹	3		
Area III/IV: Laboratory Sciences and Social/Behavioral Sciences				

CHEM 12256 General Chemistry II Lecture and Laboratory for STEM Majors	CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors		
Area V: Humanities 2 Area V: Creative and Fine Arts 2 BIOL 26100 Principles of Biology, Biodiversity, Ecology, and Evolution Viewing a Wider World 3 Cone must be from outside of the College of ACES Departmental/College Requirements A ST 311 Statistical Applications 3 AGRO 305 Principles of Genetics 3 BIOL 21100 Principles of Biology, Cellular and Molecular Biology BIOL 311 General Microbiology 3 BIOL 311 General Microbiology 3 BIOL 313 Structure and Function of Plants 3 or BIOL 322 Zoology EPWS 1110 Applied Biology Lab 1 EPWS 301 Agricultural Biotechnology 3 EPWS 311 Introduction to Weed Science 4 EPWS 310 Plant Pathology 4 EPWS 310 Plant Pathology 4 EPWS 311 Introduction to Weed Science 4 EPWS 311 Introduction to Weed Science 4 EPWS 311 Principles of Ecology 3 EPWS 311 Introduction to Weed Science 4 EPWS 301 Principles of Ecology 3 EPWS 310 Principles of Ecology 3 EPWS 311 Introduction to Weed Science 4 EPWS 311 Introduction to Weed Science 4 EPWS 311 Introduction to Weed Science 5 EPWS 311 Introduction to Weed Science 5 EPWS 311 Introduction to Weed Science 5 EPWS 311 Introduction to Weed Science 6 EPWS 341 Plant Physiology 3 EPWS 311 Principles of Ecology 3 EPWS 312 Principles of Ecology 3 EPWS 313 Principles of Ecology 3 EPWS 314 Plant Physiology 3 EPWS 315 Advanced Integrated Pest Management 3 EPWS 314 Plant Physiology 3 EPWS 315 Advanced Integrated Pest Management 3 EPWS 316 Algebra-Based Physics I Lab 5 SOIL 2110 Introduction to Soil Science 3 EPWS 349 Algebra-Based Physics I Lab 5 SOIL 2110 Introduction to Soil Science 6 ENCS 370 Environmental Soil Science 8 EPWS 492 Diagnosing Plant Disorders 9 AGRO 365 Principles of Crop Production 4 AGRO 471 Plant Mineral Nutrition 8 ENVS 370 Environmental Behavior of Pesticides 8 EPWS 495 Algebra-Based Physics I Lab 5 SOIL 312 Soil Management and Fertility 7 ENVS 370 Environmental Behavior of Pesticides 8 EPWS 495 Special Topics 6 GEOG 381 Cartography and GIS 5 SCOIL Language: (not required) 8 EPWS 325V Insects, Humans, and the Environment (recommended)	CHEM 1225G			
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PHYS 1230G Algebra-Based Physics I 4 & PHYS 1230L and Algebra-Based Physics I Lab SOIL 2110 Introduction to Soil Science 3 TOX 361 Basic Toxicology 3 Select at least two courses from the following: 5-8 AGRO 365 Principles of Crop Production AGRO 471 Plant Mineral Nutrition ENVS 370 Environmental Soil Science BCHE 395 Biochemistry I EPWS 420 Environmental Behavior of Pesticides EPWS 451 Special Topics GEOG 381 Cartography and GIS SOIL 312 Soil Management and Fertility TOX 361 Basic Toxicology Second Language: (not required) Electives, to bring the total credits to 120 4 7-10 EPWS 325V Insects, Humans, and the Environment (recommended)	EPWS 492	Diagnosing Plant Disorders	3	
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Second Language: (not required) Electives, to bring the total credits to 120 ⁴ EPWS 325V Insects, Humans, and the Environment (recommended)		-		
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EPWS 325V Insects, Humans, and the Environment (recommended)				
(recommended)			7-10	
Total Credits 120	EPWS 325V			
	Total Credits		120	

- MATH 1220G College Algebra is required for the degree but students may need to take any prerequisites needed to enter MATH 1220G College Algebra first.
- ² See the General Education (https://catalogs.nmsu.edu/nmsu/generaleducation-viewing-wider-world/) section of the catalog for a full list of courses
- See the Viewing a Wider World (https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/#viewingawiderworldtext) section of the catalog for a full list of courses
- Elective credit may vary based on prerequisites, dual credit, AP credit, double majors, and/or minor coursework. The amount indicated in the requirements list is the amount needed to bring the total to 120 credits and may appear in variable form based on the degree. However students may end up needing to complete more or less on a case-by-case basis and students should discuss elective requirements with their advisor