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

A Suggested Plan of Study for Students

This roadmap assumes student placement in MATH 1220G College Algebra and ENGL 1110G Composition I. The contents and order of this roadmap may vary depending on initial student placement in mathematics and English. It is only a suggested plan of study for students and is not intended as a contract. Course availability may vary from fall to spring semester and may be subject to modification or change.

Semester 1 Credits ENGL 11106 Composition I ¹ 4 MATH 12206 College Algebra ¹ 3 EPWS 1110 Applied Biology 4 & 1110L and Applied Biology Lab 1 ACES 1120 Freshman Orientation 1 Area IV: Social and Behavioral Science Course ² 3 Credits 15 Semester 2 ENGL 2210G Professional and Technical Communication honors ¹ 3 MATH 1430G Applications of Calculus I ¹ 3 BIOL 2610G Principles of Biology: Biodiversity, Ecology, and Evolution ¹ 3 ACOM 1130G Effective Leadership and Communication in Agriculture 3 Area V: Humanities Course ² 3 Credits 15 Semester 1 CHEM 1215G General Chemistry I Lecture and Laboratory for STEM Majors 4 CHEM 1221 General Supplemental Instruction I 1 BIOL 2110G Principles of Biology. Cellular and Molecular Biology 3 Area VI: Creative and Fine Arts Course ² 3	First Year		
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BIOL 313 Structure and Function of Plants (Fall Only) ¹ 3 or BIOL 322 or Zoology	CHEM 1122	General Supplemental Instruction II	1
or BIOL 322 or Zoology	BIOL 311	General Microbiology ¹	3
VWW: Viewing a Wider World Course ³			3
	VWW: Viewing a Wider	World Course ³	3

Credits

Third Year		
Semester 1		
CHEM 2115	Survey of Organic Chemistry and Laboratory	4
AGRO 305	Principles of Genetics	3
SOIL 2110	Introduction to Soil Science	3
EPWS 310	Plant Pathology (Fall Only) ¹	4
A ST 311	Statistical Applications ¹	3
	Credits	17
Semester 2		
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab	4
EPWS 301	Agricultural Biotechnology (Spring Only) ¹	3
VWW: Viewing a Wide	r World Course ³	3
Departmental Elective	e Course ⁴	3
Elective Course		3
	Credits	16
Fourth Year		
Semester 1		
EPWS 311	Introduction to Weed Science	4
EPWS 302	General Entomology	4
EPWS 492	Diagnosing Plant Disorders	3
TOX 361	Basic Toxicology	3
Elective Course		1
	Credits	15
Semester 2		
EPWS 447	Seminar	1
EPWS 455	Advanced Integrated Pest Management (Odd Year Spring Only) ¹	3
ENVS 301	Principles of Ecology	3
EPWS 314	Plant Physiology ¹	3
Departmental Elective Course ⁴		3
	Credits	13
	Total Credits	120

- These courses have prerequisites and it is the students responsibility to check and fulfill all course prerequisites listed for these courses.
- See the General Education (https://catalogs.nmsu.edu/nmsu/general-education-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.
- Departmental Elective Course Llst (two required):
 - AGRO 365 Principles of Crop Production (Odd Years Fall Only)
 - AGRO 471 Plant Mineral Nutrition (Odd Years Spring Only)
 - EPWS 325V Insects, Humans, and the Environment
 - EPWS 420 Environmental Behavior of Pesticides
 - EPWS 451 Special Topics (Spring Only)
 - ENVS 370 Environmental Soil Science
 - · GEOG 381 Cartography and GIS