

GENERAL AGRICULTURE - BACHELOR OF SCIENCE IN AGRICULTURE

The general agriculture major is designed for students searching for a well-rounded education that builds on the diversity of the other degree programs in the College of Agricultural, Consumer and Environmental Sciences (ACES). The flexibility of the general agriculture degree allows students to tailor a program to fit their individual interests and career goals. Students completing the program earn a Bachelor of Science in General Agriculture. Students choose general agriculture for a variety of reasons. Some may enter the program with a specific career goal in mind. Others may choose general agriculture to obtain a broader education that will give them more flexibility. The curriculum in General Agriculture is administered by the Department of Entomology, Plant Pathology and Weed Science.

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 Requirements		
<i>Area I: Communications</i>		
<i>English Composition - Level 1</i>		
ENGL 1110G	Composition I	4
<i>English Composition - Level 2</i>		
Select one from the following:		3
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	
ENGL 2221G	Writing in the Humanities and Social Science	
<i>Oral Communication</i>		
Select one from the following:		3
ACOM 1130G	Effective Leadership and Communication in Agriculture	
COMM 1115G	Introduction to Communication	
COMM 1130G	Public Speaking	
<i>Area II: Mathematics</i>		
Select 3-4 credits from the following: ¹		3-4
MATH 1130G	Survey of Mathematics	
MATH 1220G	College Algebra	
MATH 1430G	Applications of Calculus I	
MATH 1250G	Trigonometry & Pre-Calculus	
MATH 1511G	Calculus and Analytic Geometry I	
<i>Area III/IV: Laboratory Sciences and Social/Behavioral Sciences</i>		10-11
Area III: Laboratory Sciences Course (4 credits) ²		
Area IV: Social/Behavioral Sciences Course (3 credits) ²		

Either an Area III: Laboratory Sciences Course (4 credits) or an Area IV: Social/Behavioral Sciences Course (3 credits)²

Area V: Humanities ²	3
Area VI: Creative and Fine Arts ²	3
General Education Elective ²	3-4
Viewing a Wider World ³	
Departmental/College Requirements	
<i>Additional College Requirements⁴</i>	
Select three areas of concentration from the following ACES departments: ⁵	52
Agricultural Economics and Agricultural Business	
Agricultural and Extension Education	
Animal and Range Science	
Entomology, Plant Pathology and Weed Science	
Family and Consumer Sciences	
Fish, Wildlife and Conservation Ecology	
Plant and Environmental Sciences	
Hotel, Restaurant and Tourism Management	
Second Language: (not required)	
Electives, to bring total credits to 120 ⁶	33-36
Total Credits	120

¹ See the General Education (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/>) section of the catalog for a full list of courses

² A Mathematics course is required for the degree but students may need to take any prerequisites needed to enter the course first.

³ 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

⁴ Some ACES classes will meet general education requirements.

⁵ At least 18 credits must be taken from the primary department and at least 12 credits must be taken from two secondary departments. A minimum of 52 credits (20 of which need to be 300+) of the 120 required for the degree, must be completed in courses offered by the College of Agricultural, Consumer, and Environmental Sciences.

⁶ 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.

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.

First Year		Credits
Semester 1		
ACES 1120	Freshman Orientation	1
ACES 1210	Financial Fitness for College Students	1
ENGL 1110G	Composition I ¹	4
MATH 1220G	College Algebra ¹	3

Area VI: Creative and Fine Arts Course ²	3
Area V: Humanities Course ²	3

Credits 15

Semester 2

ENGL 2210G	Professional and Technical Communication Honors ¹	3
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Area III: Laboratory Science Course (recommend one of the following):² 3-4

BIOL 2610G & BIOL 2610L	Principles of Biology: Biodiversity, Ecology, and Evolution and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory ¹	
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BIOL 2110G	Principles of Biology: Cellular and Molecular Biology ¹	
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HORT 1115G	Introductory Plant Science ¹	
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EPWS 1110	Applied Biology ¹	
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CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	
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Area IV: Social and Behavioral Science Course (recommend one of the following):² 3

AEEC 2130G	Survey of Food and Agricultural Issues	
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ECON 1110G	Survey of Economics	
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ECON 2110G	Macroeconomic Principles	
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ECON 2120G	Principles of Microeconomics	
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Elective Course		3
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Primary Concentration Elective Course		3
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Credits 15-16

Second Year

Semester 1

ACOM 1130G	Effective Leadership and Communication in Agriculture ¹	3
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Area III: Laboratory Science Course (recommend one of the following):² 3-4

BIOL 2610G & BIOL 2610L	Principles of Biology: Biodiversity, Ecology, and Evolution and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory ¹	
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BIOL 2110G	Principles of Biology: Cellular and Molecular Biology ¹	
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HORT 1115G	Introductory Plant Science ¹	
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EPWS 1110	Applied Biology ¹	
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CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	
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General Education Elective Course ²		3-4
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Primary Concentration Elective Course		3
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Secondary Concentration Elective Course		3
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Credits 15-17

Semester 2

Primary Concentration Elective Course		3
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Primary Concentration Elective Course		3
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Secondary Concentration Elective Course		3
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VWW: Viewing a Wider World Course ³		3
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Upper-Division Elective Course ³		3
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Credits 15

Third Year

Semester 1

Primary Concentration Elective Course		3
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Primary Concentration Elective Course		3
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VWW: Viewing a Wider World Course ³		3
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Elective Course	3
Elective Course	3

Credits 15

Semester 2

Upper-Division ACES Elective Course	3
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Upper-Division ACES Elective Course	3
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Secondary Concentration Elective Course	3
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Elective Course	3
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Elective Course	3
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Credits 15

Fourth Year

Semester 1

Upper-Division ACES Elective Course	3
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Upper-Division ACES Elective Course	3
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Upper-Division ACES Elective Course	3
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Secondary Concentration Elective Course	3
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Elective Course	3
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Credits 15

Semester 2

Upper-Division ACES Elective Course	3
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Upper-Division ACES Elective Course	3
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Elective Course	3
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Elective Course	3
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Elective Course	3
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Credits 15

Total Credits 120-123

¹ These courses have prerequisites and it is the students responsibility to check and fulfill all course prerequisites listed for these courses.

² See the General Education (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/>) section of the catalog for a full list of courses.

³ 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.