

# AGRICULTURAL AND EXTENSION EDUCATION (AGRICULTURAL EDUCATION TEACHING) - BACHELOR OF SCIENCE IN AGRICULTURE

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
<b>General Education</b>		
<b>Area I: Communications (10 credits)</b>		
<i>English Composition - Level 1</i> <sup>1</sup>		
ENGL 1110G	Composition I	4
or ENGL 1110H	Composition I Honors	
or ENGL 1110M	Composition I	
<i>English Composition - Level 2</i> <sup>1</sup>		
ENGL 2210G	Professional and Technical Communication	3
or ENGL 2210H	Professional and Technical Communication	
or ENGL 2210M	Professional and Technical Communication for Multilingual Students	
<i>Oral Communication</i>		
ACOM 1130G	Effective Leadership and Communication in Agriculture	3
<b>Area II: Mathematics (6 credits)</b> <sup>1</sup>		
MATH 1220G	College Algebra	3
MATH 1130G	Survey of Mathematics	3
<b>Area III/IV: Laboratory Sciences and Social/Behavioral Sciences</b>		
<b>Area III: Laboratory Sciences Course (8 credits)</b> <sup>1</sup>		
CHEM 1120G	Introduction to Chemistry Lecture and Laboratory (non majors)	4
AGRO 1110G	Introduction to Plant Science (Lecture & Lab)	4
or HORT 1115G	Introductory Plant Science	
<b>Area IV: Social/Behavioral Sciences Course (3 credits)</b> <sup>1</sup>		
AEEC 2130G	Survey of Food and Agricultural Issues	3
<b>Area V: Humanities (3 credits)</b>		
Choose one from the following:		
HIST 1110G	United States History I	
or HIST 1120G	United States History II	
<b>Area VI: Creative and Fine Arts (3 credits)</b>		
Select one course from Area VI <sup>1</sup>		
3		
<b>Viewing A Wider World (6 credits)</b> <sup>3</sup>		
ANSC 351V	Agricultural Animals of the World	
or EPWS 325V	Insects, Humans, and the Environment	
Choose one additional VWW Course from a College outside of the College of ACES		
GEOG 315V	World Agriculture and Food Problems (recommended)	
<b>Departmental/College Requirements (64 credits)</b>		

ACES 1120	Freshman Orientation	1
ACES 1210	Financial Fitness for College Students	1
AXED 1110	Introduction to Agricultural, Extension, and Technology Education	3
AXED 1130	Techniques in Agricultural Mechanization	3
AXED 2110	Metal Fabrication	3
AXED 2130	Early Field-Based Experience	2
AXED 3130	Advanced Technology in the Agricultural Mechanization	3
AXED 3150	Philosophy and Methods of Contests	3
AXED 4210	Curriculum Development and Assessment in Agricultural Education	3
AXED 4215	Developing Excellent Programs in Career and Technical Education	3
AXED 4220	Methods for Teaching Agricultural and Technology Education	3
AXED 4230	Directed Teaching in Agricultural or Technology Education	15
AXED 4520	Methods in Career and Technical Laboratory Instruction	2
AXED 4620	Methods of Teaching Biological, Earth and Physical Sciences in Agriculture	3
READ 4330	Content Area Literacy (or AXED 4330 Content Area Literacies)	3
SPED 3105	Introduction to Special Education in a Diverse Society (or AXED )	3
ANSC 1120	Introduction to Animal Science	3
ANSC 1120L	Introduction to Animal Science Lab	1
SOIL 2110	Introduction to Soil Science	3
SOIL 2110L	Introduction to Soil Science Laboratory	1
ANSC 304	Feeds and Feeding	3
ANSC 310	Exhibiting Livestock	3
ACOM 3160V	Communicating Agriculture & Science to the Public	3
<b>Agricultural Science Electives (7 - 13 credits)</b> <sup>2</sup>		
Select from 7 to 13 credits from the following:		13
Agricultural Economics		
Plant, Pest and Soil Sciences		
Animal Science		
Horticulture		
Natural Resources		
<b>Second Language: (not required)</b>		
<b>Electives, to bring the total credits to 120 (0-6 credits)</b> <sup>4</sup>		<b>6</b>
<b>Total Credits</b>		<b>120</b>

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

<sup>2</sup> ACOM 1130G Effective Leadership and Communication in Agriculture will also count towards the Departmental/College requirements.

<sup>3</sup> 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

<sup>4</sup> Elective credit may vary based on General Education course selection, 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

Semester 1		Credits
ACES 1120	Freshman Orientation	1
ACES 1210	Financial Fitness for College Students	1
AXED 1110	Introduction to Agricultural, Extension, and Technology Education	3
AXED 1130	Techniques in Agricultural Mechanization	3
ENGL 1110G	Composition I <sup>1</sup>	4
MATH 1220G	College Algebra	3
<b>Credits</b>		<b>15</b>

### Semester 2

ACOM 1130G	Effective Leadership and Communication in Agriculture	3
AXED 2110	Metal Fabrication	3
AEEC 2130G	Survey of Food and Agricultural Issues	3
Choose HIST 1110G or HIST 1120G		3
MATH 1130G	Survey of Mathematics	3
HIST 1110G U.S. History I		
HIST 1120G U.S. History II		
<b>Credits</b>		<b>15</b>

### Second Year

#### Semester 1

ANSC 1120	Introduction to Animal Science	3
ANSC 1120L	Introduction to Animal Science Lab	1
HORT 1115G or AGRO 1110G	Introductory Plant Science or Introduction to Plant Science (Lecture & Lab)	4
CHEM 1120G	Introduction to Chemistry Lecture and Laboratory (non majors)	4
ENGL 2210G	Professional and Technical Communication <sup>1</sup>	3
<b>Credits</b>		<b>15</b>

#### Semester 2

AXED 3150	Philosophy and Methods of Contests	3
AXED 3130	Advanced Technology in the Agricultural Mechanization	3
AXED 4215	Developing Excellent Programs in Career and Technical Education	3
ACOM 3160V	Communicating Agriculture & Science to the Public	3
Area VI Creative and Fine Arts Course		3
<b>Credits</b>		<b>15</b>

### Third Year

#### Semester 1

AXED 2130	Early Field-Based Experience	2
SOIL 2110	Introduction to Soil Science	3
SOIL 2110L	Introduction to Soil Science Laboratory	1

Agricultural Science Elective/Elective		3
GEOG 315V	World Agriculture and Food Problems	3
SPED 3105	Introduction to Special Education in a Diverse Society	3

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**Credits** **15**

### Semester 2

AXED 4210	Curriculum Development and Assessment in Agricultural Education	3
AXED 4620	Methods of Teaching Biological, Earth and Physical Sciences in Agriculture	3
ANSC 310	Exhibiting Livestock	3
ANSC 304	Feeds and Feeding	3
Agricultural Science Elective/Elective		3

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**Credits** **15**

### Fourth Year

#### Semester 1

AXED 4220	Methods for Teaching Agricultural and Technology Education	3
AXED 4520	Methods in Career and Technical Laboratory Instruction	2
ANSC 351V or EPWS 325V	Agricultural Animals of the World or Insects, Humans, and the Environment	3
Agricultural Science Elective		4
READ 4330	Content Area Literacy (or AXED 5330)	3

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**Credits** **15**

#### Semester 2

AXED 4230	Directed Teaching in Agricultural or Technology Education	15
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**Credits** **15**

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**Total Credits** **120**

<sup>1</sup> Students need to understand and complete any prerequisites prior to enrolling into this course.

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