

# 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>		
<i>Area I: Communications</i>		
English Composition - Level 1 <sup>1</sup>		4
English Composition - Level 2 <sup>1</sup>		3
<i>Oral Communication</i>		
ACOM 1130G	Effective Leadership and Communication in Agriculture	3
<i>Area II: Mathematics</i> <sup>1</sup>		
<i>Area III/IV: Laboratory Sciences and Social/Behavioral Sciences</i>		10-11
Area III: Laboratory Sciences Course (4 credits) <sup>1</sup>		
Area IV: Social/Behavioral Sciences Course (3 credits) <sup>1</sup>		
Either an Area III/IV: Laboratory Sciences Course or Social/Behavioral Sciences Course (4 or 3 credits) <sup>1</sup>		
<i>Area V: Humanities</i>		
Choose one from the following:		3
HIST 1110G	United States History I	
HIST 1120G	United States History II	
<i>Area VI: Creative and Fine Arts</i>		
<i>General Education Elective</i> <sup>1</sup>		3-4
An additional Area II: Mathematics Course (for licensure purposes)		
<b>Viewing A Wider World</b> <sup>3</sup>		6
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</b>		
ACES 1120	Freshman Orientation	1
AXED 1110	Introduction to Agricultural, Extension, and Technology Education	3
AXED 2130	Early Field-Based Experience	2
AXED 3150	Philosophy and Methods of Contests	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
AXED 4715	The FFA Organization: An Overview	1
READ 4330	Content Area Literacy	3
SPED 3105	Introduction to Special Education in a Diverse Society	3
Select 24-30 credits from the following: <sup>2</sup>		24-30
Agricultural Economics (at least 3 credits)		
Agricultural Mechanics (at least 12 credits)		
Plant, Pest and Soil Sciences (at least 6 credits)		
Select at least 3 credits from one of the following areas:		
Animal Science		
Horticulture		
Natural Resources		
<b>Second Language: (not required)</b>		
<b>Electives, to bring the total credits to 120</b> <sup>4</sup>		<b>8-16</b>
<b>Total Credits</b>		<b>120</b>

<sup>1</sup> See the General Education (<http://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 of 24-30 credits.

<sup>3</sup> See the Viewing a Wider World (<http://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.

<b>First Year</b>		
<b>Semester 1</b>		<b>Credits</b>
ACES 1210	Financial Fitness for College Students	1
AXED 1110	Introduction to Agricultural, Extension, and Technology Education	3
ENGL 1110G	Composition I <sup>1</sup>	4
AXED 1130	Techniques in Agricultural Mechanization	3
ACES 1120	Freshman Orientation	1
MATH 1215	Intermediate Algebra	3
<b>Credits</b>		<b>15</b>
<b>Semester 2</b>		
MATH 1220G	College Algebra <sup>1</sup>	3

ACOM 1130G	Effective Leadership and Communication in Agriculture	3
AXED 2110	Metal Fabrication	3
ANSC 1120	Introduction to Animal Science	3
Choose from one of the following:		3
HIST 1110G	United States History I	
HIST 1120G	United States History II	

**Credits** **15**

## Second Year

### Semester 1

GEOL 1110G	Physical Geology	4
CHEM 1120G	Introduction to Chemistry Lecture and Laboratory (non majors)	4
ENGL 2210G	Professional & Technical Communication <sup>1</sup>	3
HORT 1115G	Introductory Plant Science	4
<b>Credits</b>		<b>15</b>

### Semester 2

AXED 4215	Developing Excellent Programs in Career and Technical Education	3
AXED 4715	The FFA Organization: An Overview	1
AXED 3115	Small Engine Technology	3
PSYC 1110G	Introduction to Psychology	3
AXED 3150	Philosophy and Methods of Contests	3
AXED 2130	Early Field-Based Experience	2
<b>Credits</b>		<b>15</b>

## Third Year

### Semester 1

BIOL 2610G & BIOL 2610L	Principles of Biology: Biodiversity, Ecology, and Evolution and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory	4
GEOG 315V	World Agriculture and Food Problems	3
AXED 3120	Agricultural Structures	3
SPED 3105	Introduction to Special Education in a Diverse Society	3
AXED 4520	Methods in Career and Technical Laboratory Instruction	2
<b>Credits</b>		<b>15</b>

### Semester 2

AXED 4620	Methods of Teaching Biological, Earth and Physical Sciences in Agriculture	3
AXED 4220	Methods for Teaching Agricultural and Technology Education	3
AXED 4210	Curriculum Development and Assessment in Agricultural Education	3
READ 4330	Content Area Literacy	3
ANSC 310	Exhibiting Livestock	3
<b>Credits</b>		<b>15</b>

## Fourth Year

### Semester 1

AXED 4230	Directed Teaching in Agricultural or Technology Education	15
<b>Credits</b>		<b>15</b>

### Semester 2

AEEC 2110	Principles of Food and Agribusiness Management	3
ANSC 304	Feeds and Feeding	3
EPWS 325V	Insects, Humans, and the Environment	3

READ 4330	Content Area Literacy	3
An additional Area II: Mathematics Course <sup>2</sup>		3
<b>Credits</b>		<b>15</b>
<b>Total Credits</b>		<b>120</b>

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

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