

AGRICULTURE - ASSOCIATE OF APPLIED SCIENCE

The **Associate of Applied Science in Agriculture** program prepares student with classes in the basic agricultural and foundation sciences; business and economics, education, communication, technology, agronomy, animal science, mechanics and horticulture. The purpose of this program is to prepare individuals to apply the broad-based curriculum towards an agricultural career as professional educators, communicators and leaders of agricultural, natural resource, technology and related disciplines. The courses provided through this program will assist in building a strong base of students who are willing to pursue further education opportunities in the agriculture industry. New Mexico has a viable and productive agricultural industry, with cash receipts totaling more than \$3 billion and a total economic impact with over \$6 billion. These facts alone constitute an educated workforce that is prepared for the ever-changing markets and production of the state's food supply, natural resources, and environment. This degree will equip student with the necessary skills for employment within this growing industry.

Program Entrance Requirements

1. Apply for admission to SENMC. Anyone who did not attend the previous year must reapply.
2. Request official transcripts from high school or GED and any college attended be sent to SENMC.
3. Complete SENMC placement tests.
4. Meet with an academic advisor once admission is complete (application and transcripts received) and register.

Previous college credits will be considered and evaluated for credit following admission to the College. Placement tests, with the exception of reading, may be waived if the applicant has completed courses equivalent to MATH 1215 Intermediate Algebra and ENGL 1110G Composition I with a grade of "C" or higher.

Graduation Requirements

1. Demonstrate proficiency in reading, math, and English as evidenced by the college placement test (for associate degrees). Additional proficiency in typing may be required for Business Office Technology (BOT) majors.
2. Earn a cumulative grade point average of 2.0 or higher.
3. Complete coursework as specified on the curriculum.
4. Submit a graduation application and pay the designated fee.
5. The last 15 credits must be taken at SENMC.

Additional coursework in developmental studies may be required based on college placement test results. Courses are included in calculating GPA but not in total graduation credits.

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 60 credits. 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		
<i>Choose one course from four of the following six content areas for a total of 12-14 credits.</i> ^{1,2}		12-14
This degree requires courses from Areas I, III and IV students must select one course from the remaining areas to complete General Education requirements		
Area I: Communications		
ACOM 1130G	Effective Leadership and Communication in Agriculture (Core Requirement)	
Area II: Mathematics		
Area III: Laboratory Science		
AGRO 1110G	Introduction to Plant Science (Lecture & Lab) (Core Requirement)	
Area IV: Social/Behavioral Sciences		
AEEC 2130G	Survey of Food and Agricultural Issues (Core Requirement)	
Area V: Humanities		
Area VI: Creative and Fine Arts		
General Education Elective		
BIOL 2610G & BIOL 2610L	Principles of Biology: Biodiversity, Ecology, and Evolution and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory	4
Core Requirements		
AEEC 1110	Introduction to Agricultural Economics and Business	3
AEEC 2110	Principles of Food and Agribusiness Management	3
AGRO 2160	Plant Propagation	3
ANSC 1120 & 1120L	Introduction to Animal Science and Introduction to Animal Science Lab	4
ANSC 2330	Animal Production	3
AXED 1130	Techniques in Agricultural Mechanization	3
BCIS 1110	Introduction to Information Systems	3
ECON 2110G or ECON 2120G	Macroeconomic Principles Principles of Microeconomics	3
MATH 1215	Intermediate Algebra	3
POLS 1120G	American National Government	3
WELD 105	Introduction to Welding	3
Electives, to bring the total credits to 60 ³		10
Total Credits		60-62

1

Each course selected must be from a different area and students cannot take multiple courses in the same area.

2

See the General Education section of the catalog for a full list of courses.

3

Elective credit may vary based on prerequisites, dual credit, AP credit, and/or certificate coursework. The amount indicated in the requirements list is the amount needed to bring the total to 60 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

Additional classes may be needed based on placement test results and/or course prerequisites. Visit with an advisor for help with creating a customized plan.

First Year

Fall		Credits
ANSC 1120 & 1120L	Introduction to Animal Science and Introduction to Animal Science Lab	4
AGRO 1110G	Introduction to Plant Science (Lecture & Lab)	4
BCIS 1110	Introduction to Information Systems	3
GEN Ed Course - One course from Areas II, V or, VI ¹		3-4
Credits		14-15

Spring

ANSC 2330	Animal Production	3
AEEC 2130G	Survey of Food and Agricultural Issues	3
ACOM 1130G	Effective Leadership and Communication in Agriculture	3
MATH 1215	Intermediate Algebra	3
WELD 105	Introduction to Welding	3
Credits		15

Second Year

Fall		Credits
AEEC 1110	Introduction to Agricultural Economics and Business	3
AXED 1130	Techniques in Agricultural Mechanization	3
BIOL 2610G & BIOL 2610L	Principles of Biology: Biodiversity, Ecology, and Evolution and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory	4
Elective Course ²		3
Elective Course ²		3-4
Credits		16-17

Spring

AEEC 2110	Principles of Food and Agribusiness Management	3
AGRO 2160	Plant Propagation	3
ECON 2110G or ECON 2120G	Macroeconomic Principles or Principles of Microeconomics	3
POLS 1120G	American National Government	3
Elective Course ²		3
Credits		15
Total Credits		60-62

1

See the General Education section of the catalog for a full list of courses.

2

Elective credit may vary based on prerequisites, dual credit, AP credit, and/or certificate coursework. The amount indicated in the requirements list is the amount needed to bring the total to 60 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.