

# AGRICULTURE

The **Associate of Applied Science in Agriculture** focuses on the general principles and practice of agricultural research and production and prepares individuals to apply this knowledge to the solution of practical agricultural problems. The curriculum includes instruction in basic animal, plant, and soil science as well as agricultural business.

## Graduation Requirements

ENGL 1110G Composition I with a C- or higher; placement into college-level math and reading courses or completion of developmental courses with a C- or higher; cumulative GPA of 2.0 or higher. A minimum of 15 of the 60 credits for the associate's degree must be completed at SENMC. Individual academic programs may have additional requirements.

- Agriculture - Associate of Applied Science (<https://senmc-public.courseleaf.com/academic-programs/associate-degree-certificate-programs/agriculture/agriculture-aas/>)

### AEEC 1110 Introduction to Agricultural Economics and Business 3 Credits (3)

Orientation to agricultural economics and business through the discovery process for the consumer in the food, fiber and natural resource sectors of the global economy. The course will discuss the application of micro- and macro-economic principles as they relate to agricultural economics and business. Repeatable: up to 3 credits.

#### Learning Outcomes

1. Gain a broad understanding of the role of the consumer in the market-place for agricultural commodities, producers, agencies and the global market structure.
2. Apply introductory economic principles to applied global situations.
3. Employ economic concepts in the application of production level decision making.
4. Employ economic principles to the basic and global agricultural community.
5. Understand relationships that exist between producers and consumers.

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### AEEC 1120 Careers in Food and Agribusiness 1 Credit (1)

This course provides an orientation to careers in agricultural economics and agricultural business. Students will learn about the agricultural supply chain in New Mexico, the United States, and the world. Repeatable: up to 1 credit.

#### Learning Outcomes

1. Become more familiar with career opportunities in agricultural economics and agricultural business
2. Understand skills and characteristics desired by potential employers of Agricultural Economics and Agricultural Business students
3. Develop greater appreciation of current policy and management issues in agriculture
4. Become more familiar with faculty and staff in the Department of Agricultural Economics and Agricultural Economics and resources available to students within the Department
5. Refine written and verbal communication skills

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### AEEC 2110 Principles of Food and Agribusiness Management 3 Credits (3)

Description and application of management and financial principles, market planning, and organization theory in small business situations. Repeatable: up to 3 credits.

#### Learning Outcomes

1. Demonstrate, refine and expand written and oral communication skills
2. Develop an understanding of basic financial statements, their use and analysis
3. Understand the roles management and management styles play in modern agribusiness
4. Learn about the history of agribusiness domestically and internationally
5. Integrate the role of technology into modern agribusiness management

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### AEEC 2120 Introduction to Food and Agribusiness Accounting 3 Credits (3)

Purpose and methods of keeping and analyzing farm and ranch records. Net worth and income statements, efficiency measures, analysis of the business, and tax computations. Repeatable: up to 3 credits.

#### Learning Outcomes

1. To present the terminology and principles required to develop modern farm and ranch financial statements.
2. To demonstrate the concepts of financial analysis required to evaluate capital investments, analyze farm business performance, and to develop tools for financial planning and analysis.
3. To develop the analytical concepts required to understand and evaluate money flows over time and apply these concepts to the use of capital and credit.

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### AEEC 2130G Survey of Food and Agricultural Issues 3 Credits (3)

Survey of food and agricultural issues, including: geography of food production and consumption; human-agricultural-natural resource relations; agriculture in the United States and abroad; modern agribusiness; food safety; food, agriculture, and natural resources policy; ethical questions; role and impact of technology. Crosslist: FSTE 2130G.

#### Learning Outcomes

1. Understand of global agriculture including production techniques used in various geographical regions, consumption trends, and political and social constraints.
2. Synthesis information about agricultural issues and make informed arguments
3. Articulate modern issues in agriculture
4. Write coherent arguments relative to personal beliefs regarding agricultural issues

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**AEEC 2140 Technology and Communication for Business Management 3 Credits (3)**

Understanding and improving skills for data analysis, information management and communication is the focus of this course. Drawing examples from a variety of management, business, technological and research situations, students discover the versatility and variety of uses of computer applications such as spreadsheet, database, presentation and document software. Emphasizing a 'hands-on' approach students learn the foundations of these tools and their use. Repeatable: up to 3 credits. (2+2P)

**Learning Outcomes**

1. Demonstrate an understanding terms used to describe common techniques and concepts in business information systems.
2. Demonstrate mastery of spreadsheet design and use.

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**AEEC 2996 Topics in Agricultural Economics 1-4 Credits**

Specific subjects and credits to be announced in the Schedule of Classes.

**Learning Outcomes**

1. Varies

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