AGRIBUSINESS SYSTEMS 01.0100.90
Program Description, Industry Credential, Coherent Sequence, and Teacher Certification

PROGRAM DESCRIPTION

Careers in **Agribusiness Systems** typically focus on utilizing innovative technology in order to increase profitability and efficiency. **Agribusiness Systems** is the coordination of all activities that contribute to the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources. This includes food, fiber, wood products, natural resources, horticulture, and other plant and animal products, and services. **Agribusiness Systems** is a high-tech industry that uses satellite systems, computer databases and spreadsheets, biotechnology, and many other innovations to increase efficiency and profitability.

Individuals choosing this pathway may serve as coordinators who oversee and contribute to the production, processing, distribution, marketing, financing, and development of agricultural merchandise and resources. These resources might include food, fiber, wood products, natural resources, and other plant and animal products and services. Other business people may be involved with the manufacturing of farm equipment, machinery, and supplies. This career pathway is usually best suited for people who like working in large groups and may end up being hired with a corporate agricultural company or business.

Market pressures will continue the long-term trend toward consolidation into fewer and larger farms and ranches over the next decade. Good opportunities will continue for people in **Agribusiness Systems** who support the production of agricultural commodities.

Experience in and knowledge of the business world is key to a career in this pathway. FFA marketing plan, farm business management, agricultural issues, and agricultural communications career development events are among the many ways you can learn more about the field of **Agribusiness Systems** and interact with industry professionals. High school business courses, including computer science, desktop publishing, and typing class, will also prove beneficial in the long term, as will an advanced knowledge of computers and software programs.

Students completing this program will possess the appropriate cluster technical knowledge and skills associated with the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources. In addition to the required technical skills, students will also develop leadership, advanced employability, critical thinking, applied academic, and life management skills. The program utilizes a delivery system made up of three essential and required components: formal instruction, experiential education through Supervised Agricultural Experiences (SAEs), leadership and personal development through the Career and Technical Student Organization FFA.

The **Agribusiness Systems** instructional program prepares students for entry-level employment,

further training, and/or post-secondary education for these and other occupations: Agribusiness manager, Grain buyer, Equipment sales, Farm labor contractor, Ag finance specialist, Loan officer, Farm business manager, and Agricultural journalist.

INDUSTRY CREDENTIALS

The following credentials have been approved for the A-F CCR and are CTED eligible for the **Agribusiness Systems** instructional program:

- Arizona Agriculture Skills & Competencies Certificate
- Arizona Certified Nursery Professional (ACNP)
- Benz School of Floral Design Principles of Floral Design Certification
- OSHA 10 – Agriculture
- OSHA 10 – Construction Industry
- OSHA 10 – General

The following industry credential has been approved to meet CTED eligibility for the **Agribusiness Systems** instructional program:

- Agricultural Biotechnology Certification
- Agricultural Technician Certification
- Animal Care Training
- Arizona Landscape Contractors Association (ALCA)
- Global Logistics Associate
- Section 608 Technician Environmental Protection Agency (EPA)
- Youth Quality Care of Animals

COHERENT SEQUENCE

01.0100.10 - Agribusiness Systems I **and**

01.0100.12 - Agribusiness Systems II **and**

01.0100.90 - Agribusiness Systems III **and program may elect to add:**

01.0100.95 - Agribusiness Systems IV **or**

01.0100.70 - Agribusiness Systems – DCE (Diversified Cooperative Education) **or**

01.0100.75 - Agribusiness Systems - Internship **or**

01.0100.80 - Agribusiness Systems – Cooperative Education

TEACHER CERTIFICATION REQUIREMENTS

CAREER PREPARATION: The instructor must be CTE certified according to the following table Certificates PCTA, SCTA, SSCTEA

Note:

- **Agribusiness Systems 01.0100.70** may be a part of the sequence and the teacher must hold a Cooperative Education Endorsement (CEN).
- Teacher/Coordinator **01.0100.75** is not required to have a Cooperative Education Endorsement (CEN).
- Teacher/Coordinator **01.0100.80** is required to have a Cooperative Education Endorsement (CEN).

CERTIFICATE TYPES

PCTA   Provisional Career and Technical Education Agriculture

SCTA   Standard Career and Technical Education Agriculture

SSCTEA   Standard Specialized Career and Technical Education Agriculture

Additional Endorsement Certifications for Agricultural Teachers Wanting Integrated Academics Credit

AZ035 Economics
NES   Biology