

AGRISCIENCE 01.0000.00

Program Description, Industry Credentials, Coherent Sequence, and Teacher Certification Requirements

PROGRAM DESCRIPTION

The **AgriScience** program is designed to prepare students for over 300 career pathways by providing them an overview of the fields of agricultural science, animal science, plant science, and soil science; animal husbandry, soil conservation, and agriculture operations such as farming, ranching, agricultural business, and natural resources.

The **AgriScience** program is delivered as a coherent sequence of courses designed to offer students knowledge and skills that meet the needs of the workforce. The knowledge and skills students develop in **AgriScience** are experienced through exciting “hands-on” activities, projects, and problems solving tasks. Students will investigate, experiment, and learn about documenting a project, solving problems, and communicating their solutions to their peers and members of the professional community. Students can specifically connect **AgriScience** lessons with the Supervised Agricultural Experiences and FFA components that are important for the development of an informed agricultural education student.

The **AgriScience** instructional program prepares students for entry-level employment, further training, and/or postsecondary education for these and other occupations: Agribusiness Systems, Animal Systems, Biotechnology Systems, Environmental Service Systems, Food Products and Processing Systems, Natural Resources Systems, Plant Systems, Power, Structural and Technical Systems, and Agriculture Education

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INDUSTRY CREDENTIALS

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

- American Meat & Science Association Meat Evaluation Certification
- American Meat Science Association Food Safety and Science Certification
- Arizona Agriculture Skills & Competencies Certificate
- Arizona Certified Nursery Professional (ACNP)
- BASF Plant Science Certification
- Benz School of Floral Design Principles of Floral Design Certification
- Certified Veterinary Assistant
- Elanco Veterinary Medical Applications Certification
- Elanco Fundamentals of Animal Science Certification.
- National Coalition of Certification Centers (NC3) – Snap-On – Horticulture
- OSHA 10 – Agriculture *must include extra modules.
- OSHA 10 – Construction Industry
- OSHA 10 – General
- Arizona Landscape Contractor Association (ALCA)

The following industry credentials have been approved to meet CTED eligibility for the **AgriScience** instructional program:

- Agricultural Biotechnology Certification
- Agricultural Technician Certification
- Animal Care Worker
- Worker Protection on Standard Training Handler Verification Card
- Youth Quality Care of Animals

COHERENT SEQUENCE

01.0000.10 - AgriScience I, **and**

01.0000.20 - AgriScience II, **and**

01.0000.25 - AgriScience III, **and program may elect to add:**

01.0000.30 - AgriScience IV, **or**

01.0000.70 - AgriScience – DCE (Diversified Cooperative Education) **or**

01.0000.75 - AgriScience – Internship **or**

01.0000.80 - AgriScience – Cooperative Education

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TEACHER CERTIFICATION REQUIREMENTS

The instructor must be ADE/CTE certified in one of the following Certificates:

SCTA	Standard Career and Technical Education Agriculture
SSCTEA	Standard Specialized Career and Technical Education Agriculture

- Note:
- AgriScience 01.0000.70 (DCE) requires a CTE Teacher to have the Cooperative Education Endorsement (CEN).
 - AgriScience 01.0000.75 (Internship) does not require a CTE Teacher to have a Cooperative Education Endorsement (CEN).
 - AgriScience 01.0000.80 (Cooperative Ed.) requires CTE Teacher to be appropriately certified for the program and to have a Cooperative Education Endorsement (CEN).