

# CASE in Arizona

## Curriculum for Agricultural Science Education



Agricultural education equips students with knowledge, skills, and experience to have successful careers in agriculture and make informed decisions in global agriculture, food, fiber, and natural resource systems.

### CASE Certification Badges



## CASE BY THE NUMBERS

	Arizona	National
CASE Certified Teachers	72	3,113
Percentage of CASE Certified Teachers	64%	-
Number of CASE Certifications Held	117	5,000+
Number of CASE Lead Teachers	4	57

The University of Arizona in Tucson, Arizona is one of the eight universities in the United States to offer CASE training to pre-service teachers as a teacher preparation course.

### Course certifications held by Arizona teachers:

- Introduction to Agriculture, Food & Natural Resources
- Agricultural Business Foundations
- Principles of Agricultural Science - Animal
- Principles of Agriculture Science - Plant
- Agricultural Power and Technology
- Mechanical Systems in Ag Series
- Animal and Plant Biotechnology
- AgXplore Middle School

### Secondary agricultural education in Arizona:

- 80 high school agricultural education programs
- 114 high school agricultural education teachers



# The CASE Program

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## *Curriculum for Agricultural Science Education*

### **What is CASE?**

Curriculum for Agricultural Science Education (CASE) is a national agriscience curriculum for use in school based agricultural education programs is delivered with a heavy science inquiry focus. The mission of CASE is to aid teachers in professional development and promoting rigorous learning opportunities for their students, strengthening partnerships with public and private entities to provide teachers and students with better resources, and to develop agricultural education as a possible solution for academic challenges within secondary schools.

The four main components of teacher support within in CASE are curriculum, professional development, assessment, and certification. The goal of CASE is that all teachers who enter the program are fully equipped and knowledgeable at the completion of the course in order to maximize the amount of quality learning opportunities for their students.

CASE follows a specific sequence of courses for educating teachers on a wide variety of aspects. The model begins on general agricultural topics then gradually focuses on more specialized areas.

### **Why CASE?**

Why is CASE different from normal curriculum? CASE breaks away from tradition by:

- Using a logical sequence of courses that develop core concepts
- Providing detailed resources for teaching hands-on lab experiments
- Being students-directed and inquiry-based
- Aligning with national standards for all subjects in every lesson
- Offering CASE certification to secondary students for their next career path
- And more!

Agricultural education brings countless new concepts, skills, and ideas to students who would never be exposed to it otherwise. CASE allows students to exploit these unique opportunities and discover math, science, and the agricultural industry in a new light. CASE goes beyond the orthodox definition of curriculum; it is a teacher-focused support system unparalleled to any current agricultural education resources that engages students in the agricultural industry as well as foundational science and meathematics.