

Want to start using CASE in your agricultural education program?

Attend a CASE Institute!



- CASE Institutes are intense professional development led by practicing CASE teachers.
- The CASE curriculum is free to those who successfully complete a CASE Institute.
- Institutes are hosted by affiliated universities and colleges across the United States each summer.
- CASE teachers receive complimentary updates to the curriculum and many other services throughout their careers.
- For a complete listing of upcoming CASE Institutes and certification information, please visit www.case4learning.org and click on "Professional Development."

CASE



STEM
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FOOD SCIENCE AND SAFETY



CASE

*Curriculum for Agricultural
Science Education*

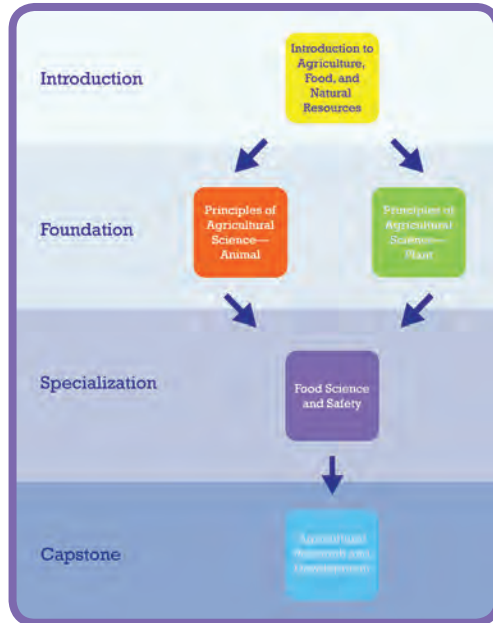
CASE PROGRAM OF STUDY

“Career and Technical Education students should follow a program of study made up of a **purposeful sequence** of **rigorous courses** to build student knowledge and skills.”

– recommendation in Perkins reauthorization



We have carefully designed a program of study pathway for *Food Science and Safety* that scaffolds student learning within courses and throughout the pathway.



Food Science and Safety



All CASE pathways begin with the *Introduction to Agriculture, Food, and Natural Resources* course, then branch into four areas which focus on animals, plants, agricultural engineering, and natural resources.

Depending on what pathways a school offers, *Food Science and Safety* is a specialization course that fits into either the animal or plant pathways. All CASE pathways culminate with the capstone course *Agricultural Research and Development*.

Food Science and Safety

During *Food Science and Safety*, a specialization-level course in the CASE program of study, students will explore the science behind food through chemistry and microbiology, food safety, and processing. Students will apply all aspects of food science in a culminating project of food product development.

Food Science and Safety

Areas of study include:

- Food Chemistry & Microbiology
- Nutrition
- Processing
- Food Quality & Safety
- Product Development



CASE provides teachers hands-on professional development to facilitate instruction.

We are grateful to **General Mills** and **Cargill** for sponsoring the CASE *Food Science and Safety* course as a special project through the **National FFA Foundation**.

