



HIGH SCHOOL DUAL CREDIT GATEWAY TO AGRICULTURE

ARE YOU INTERESTED IN AGRICULTURE? VIEW THE FOLLOWING MAJORS AVAILABLE AT SOUTH DAKOTA'S PUBLIC UNIVERSITIES AND GET A HEAD START WITH HIGH SCHOOL DUAL CREDIT (HSDC).

POTENTIAL DEGREES: SOUTH DAKOTA STATE UNIVERSITY

- Agricultural Science
- Agricultural Education, Communication, and Leadership
- Agricultural Systems Technology
- Precision Agriculture
- Agronomy
- Horticulture
- Animal science
- Dairy production
- Dairy Manufacturing
- Food Science
- Wildlife and Fisheries Sciences
- Ecology and Environmental Science
- Natural Resource Law Enforcement
- Conservation Planning and Park Management

Note: Some courses may only be available during one semester; make sure to research this when creating your certificate plan.

CERTIFICATE PLAN

If you're considering a career in agriculture, below are some courses we recommend.

AFES 203 Global Food Systems

Take one of the following:

- CMST 101** Foundations of Communication
- ENGL 101** Composition I

Take two of the following:

- AFES 263** History of U.S. and World Agriculture
- AS 102** Fundamentals of Animal Science
- NRM 110** People and the Environment
- PS 105** Insects and Society

INDIVIDUAL STUDENT OUTCOMES

- **Agricultural Development:** Students will be able to analyze and describe the development of agriculture from its beginning in the Fertile Crescent of Mesopotamia to modern agricultural practices utilized in the 21st century.
- **Global Agriculture:** Students will be able to describe the agricultural industry, food production techniques, societal/cultural values and agricultural challenges/issues from around the world.
- **Agriculture and Society:** Students will evaluate the nature and scope of the agriculture, food and natural resources industry and the role that AFNR plays in society.
- **Agricultural and Environmental Health:** Students will examine the importance of agricultural and environmental health across the agriculture, food and environmental industry including animal health, soil health, plant health, and environmental health.
- **Communication:** Students will communicate clearly in a variety of situations (written, verbal, non-verbal) including agricultural contexts.



**UPON COMPLETION: UNDERGRADUATE
GATEWAY TO AGRICULTURE CERTIFICATE**