

## HIGH SCHOOL DUAL CREDIT

# GATEWAY TO AGRICULTURE

The Gateway to Agriculture Certificate Program offers high school students in dual credit courses a chance to explore career-focused classes while earning college credits. This initiative, supported by South Dakota State University, introduces students to topics such as production, processing, marketing, and developing agricultural commodities. **View the certificate course plan and potential degree paths below!**



## CERTIFICATE COURSEWORK PLAN

If you are considering a career in agriculture, the courses in the certificate plan below will help you explore that path.

\*Completing these courses not only qualifies for an undergraduate certificate but contributes to degree progress within the featured business programs at South Dakota's public universities. Courses that comprise the certificate may count toward general education requirements, major requirements, or electives, depending on your chosen major and university.

### COURSEWORK

**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.

\*Students who do not complete the certificate coursework in high school can still earn the credential while attending a participating South Dakota public university.

### POTENTIAL DEGREE PATHS

#### 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