

## Associate of Science in Agricultural Science Degree

### Program Description:

The Associate of Science in Agricultural Science degree is administered through the School of Applied Sciences and Technology Education (ASTE). The two-year (60 credit) associate of science degree is designed for delivery via distance education and will be offered through Utah State University's (USU) regional campus system. The associate degree integrates breadth of knowledge and applied learning in agriculture and natural sciences. Students choose from general education, agricultural science, and general elective courses. Courses are offered through a combination of online, IVC broadcast and face-to-face formats. Assessment will employ distance education techniques, including but not limited to, online testing, proctored examinations, and individual project portfolios. Upon completion, students will have entry level knowledge of agricultural science and be prepared to start a career in the diverse agricultural industry or enter a four-year degree program.

### Program Objectives:

- a. Calculate and apply basic mathematical processes
- b. Analyze and interpret data to solve problems
- c. Evaluate and solve problems by applying computational practices
- d. Demonstrate written and oral communications
- e. Prepare and present a persuasive argument
- f. Document research and inquiry on topics of scientific
- g. Understand and apply biological processes to animal and plant sustainability
- h. Understand and apply chemical and physical process animal and plant sustainability
- i. Develop awareness of agricultural and environmental interactions
- j. Utilize financial managerial skills to operate an agricultural enterprise
- k. Apply ethical behaviors in the workplace
- l. Define a problem and form options for resolution
- m. Develop an appreciate for lifelong learning
- n. Obtain a job in agriculture or the applied sciences; **or** transition to a four-year degree program in agriculture or the applied sciences

### Assessment Plan:

1. Objectives a. through m. will be assessed through successful completion of respective coursework and through an exit survey of graduates (self-assessment).
2. Objective n. will be assessed by the following:
  - a. Determine percentage of degree completers at the two-years and three-years from starting semester (leave of absence excluded).
  - b. Obtain placement data on degree completers, including number employed, number employed within the related industry, and number seeking additional education.