

AGRICULTURE, TECHNOLOGY, FOOD AND NATURAL RESOURCES

Overview

Degrees Offered: AS
Program Begins: Fall
Delivery Method: On Campus
Phone: 701-224-2429
Email: bsc.cet@bismarckstate.edu

Description

Core courses are provided for students planning to continue their education at a four-year agriculture college in areas such as: agribusiness, agricultural economics, agricultural education, agricultural systems management, animal/range sciences, biotechnology, crop/weed sciences, equine studies, extension, food safety, food science, horticulture, microbiology, natural resources management, precision agriculture, pre-veterinary medicine, soil science, and veterinary technology.

Academic Advisors advise students on classes needed toward a bachelor's degree, including agriculture courses and general education requirements for BSC's Associate in Science and the chosen four-year institution. Students take required agriculture courses that pertain to their degree program. Agriculture classes offered at BSC that are articulated within the North Dakota University System and required for various majors at four-year universities are:

AGEC 242	Introduction to Agricultural Management	3
AGEC 244	Introduction to Agricultural Marketing	3
AGEC 246	Introduction to Agricultural Finance	3
AGEC 250	AgriSales	3
ANSC 114	Introduction to Animal Sciences	2
ANSC 123	Feeds and Feeding	2
ANSC 220	Livestock Production	2
H&CE 241	Leadership and Presentation Techniques	2
PAG 115	Introduction to Precision Agriculture	3
PAG 215	Mapping of Precision Ag Data	2
PLSC 110	World Food Crops	2
PLSC 225	Principles of Crop Production	3
RNG 236	Introduction to Range Management	3
SOIL 210	Introduction to Soil Science	2
SOIL 222	Soil Fertility and Fertilizers	2
VETS 239	Animal Health	3

Technology instruction is infused throughout the curriculum. Students are exposed to various applications of technology related to business management, crop production, livestock production and soil science. Precision farming technology instruction includes guidance systems, mobile software, GIS software, variable rate technologies and remote sensing. Internship is optional. BSC works closely with North Dakota State University and Dickinson State University to assure transfer of courses.

Preparation

Students interested in agriculture should be resourceful, flexible, creative problem solvers, interested in technology, and enjoy continuous learning. The following background is helpful: high school or college courses in agriculture, science and math, and experience working on a farm or for an agriculture-related business.

Career Opportunities

It's a great time to enter the agriculture industry where studies show strong hiring numbers, healthy salaries and a variety of opportunities for graduates. Sales/marketing and management positions are the leading career choices posted on AgCareers.com, the leading online job board for agriculture, food, biotechnology and natural resources.

Students can choose from a vast variety of new careers, such as precision agriculture or natural resources, as well as the more traditional careers in animal husbandry or agribusiness. Common agriculture positions are in agronomy, crop protection, pest management, precision agriculture, animal

health, animal nutrition, veterinary services, extension/education, equipment/machinery, finance/banking, natural resources, and environmental services. As the agriculture industry evolves and changes, the career opportunities are infinite.

More than 90 percent of BSC's Agriculture, Technology and Natural Resources graduates find employment in their field with the majority of those jobs in North Dakota.

Additional Information

Agriculture Club

The Agriculture Club is dedicated to agriculture career development, service opportunities, professional networking, and education enhancement.

Scholarships

Students are eligible for a variety of scholarships. The BSC Foundation provides two ND Ag Association Scholarships, four Ervin and Dorothy Bourgois Memorial Scholarships along with assorted academic scholarships. Eight scholarships are also available through the CHS Foundation.

Degree Plans

- Agriculture, Technology, Food and Natural Resources Associate in Science