

## ASSOCIATE OF APPLIED SCIENCE AND CERTIFICATE

# Horticulture

The Horticulture Department offers one-year and two-year programs in horticulture. There are four horticultural options: Greenhouse Technology, Aquaponics Production, Specialty Crop Production, and Floral Design. Students will receive a horticulture degree or certificate that identifies with one of the below focus areas. To receive recognition of a focus area on the student's transcripts they must complete at least 10 of their elective credits within that focus area.

### Focus Areas

**Greenhouse Technology:** Prepares students for exciting careers in today's "green industry." Students will learn the skills required to work in the greenhouse industries such as: greenhouse production and management, landscape plant management, plant identification and culture, insect and disease identification and control, environmental controls, mechanization, public relations, floral design and retail, and marketing and sales skills.

**Aquaponics Production and Management:** Aquaponics is the combination of aquaculture, the production of marine and freshwater aquatic plants and animals; and hydroponics, the science of growing plants in water or a media other than soil. The program prepares students for career opportunities in aquaponics, aquaculture and greenhouse production. The program will provide students with the knowledge and skills necessary to build, operate and manage an aquaponics system.

**Specialty Crop Production:** Provides instructional and hands-on learning in the production, harvesting, marketing, and use of specialty crops. Specialty crops include edible fruit, vegetable, and herbs. Students learn about production of food crops grown in the field and high tunnel operations, production of a safe and sustainable food supply, integrated pest management, and good agricultural practices.

**Floral Design:** Prepares students for the floral industry by exploring and gaining skill in the history of floral design, proper care and the handling and identification of floral materials along with how to arrange, package, and market these materials. Students will be prepared to work in floral retail operation and management.



## COURSES REQUIRED

### Horticulture (AAS and Certificate)

#### Freshman Year

Fall Spring

CSCI 101 Intro. to Computers		
or CSCI 289 Social Implication of Tech. ....	3 cr	
Fine arts/humanities/social science elective .....	3 cr	
Math elective.....	3 cr	
PLSC 210 Horticulture Science .....	4 cr	
UNIV 101 Leadership Through Service .....	1 cr	
Wellness elective .....	0.5 cr	
AGEC 141 Intro. to Agribusiness Mgmt. ....	3 cr	
Communication elective .....	3 cr	
Internship or Practicum .....	2 cr	
HORT 249 Greenhouse Operations.....	4 cr	
HORT or PLSC electives.....	5 cr	
Math/science/technology elective.....	3 cr	
Wellness elective .....	0.5 cr	

#### Sophomore Year

Fall Spring

Co-op Education or Practicum.....	2 cr	
HORT 151 Intro. to Plants and Pests (online) .....	1 cr	
HORT or PLSC electives.....	5 cr	
Math/science/technology elective.....	3 cr	
PLSC 110 World Food Crops.....	3 cr	
SOIL 210 Intro. to Soil Science (online) .....	3 cr	
BUSN or BADM elective .....	3 cr	
Internship Education or Practicum .....	2 cr	
PLSC 268 Plant Propagation.....	2 cr	
Electives .....	6 cr	

Electives can be from the following: AGRI, AGECE, ENVT, FORS, and PLSC. Consult with program advisor for electives.

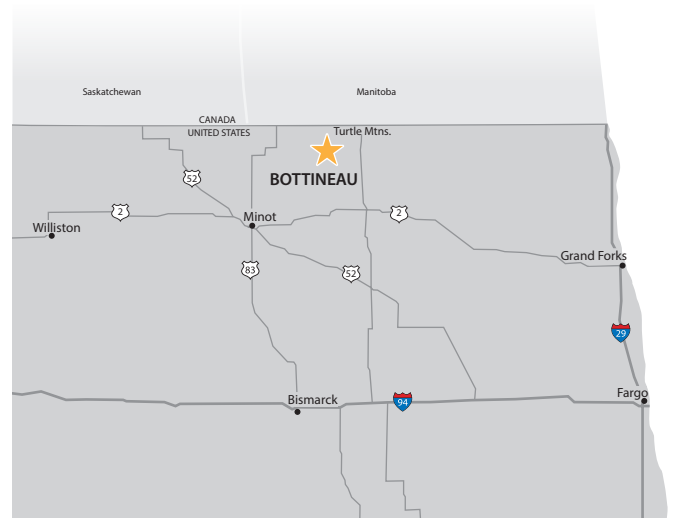
All courses subject to change.

Horticulture certificate curriculum can be found on DCB's website.



## DAKOTA COLLEGE AT BOTTINEAU VISION

Dakota College at Bottineau is rooted in the past and grows towards the future by combining the best from the *Past, Present, and Future* to provide students with innovative educational opportunities. The campus will emphasize a knowledge and appreciation of *Nature*, implement a rapidly changing *Technology*, and prepare students to go *Beyond* and improve the quality of life.



## CONTACT INFORMATION



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Admission/Student Services: 800-542-6866

[WWW.DAKOTACOLLEGE.EDU](http://WWW.DAKOTACOLLEGE.EDU)



DCB offers several varsity sports!  
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