

ASSOCIATE OF SCIENCE

# MATHEMATICS

## Start small...go far with Dakota College at Bottineau.

The **Associate of Science (AS) in Mathematics** program at DCB provides students with a solid foundation in mathematics with small class sizes and one-on-one interaction between the student and teacher. The classes focus on analysis, problem solving, and real-life applications of mathematics principles. Most courses involve the use of graphing calculators and/or computer software.

## Why study Mathematics?

The Mathematics program curriculum is designed for those who are planning to transfer to a four-year college or university to obtain a bachelor's degree in mathematics or related major.

## Career choices

Many mathematicians work in technology, insurance, technical consulting, research and manufacturing, physics, aircraft manufacturing and development, engineering, astronomy, and space exploration. They also teach in colleges and universities and do research and development in any industry. Career possibilities include:

- Actuary
- Teacher
- Statistician
- Systems analyst
- Market research analyst
- Economist
- Financial analyst-advisor
- Tax administrator
- Computer programmer
- Computer software engineer

## General education requirements

These required classes will allow you to transfer to a four-year university.

## Core Mathematics classes

You will study college algebra, trigonometry or precalculus, calculus, and elementary statistics.



“The math department/program at DCB has better prepared me for university classes because the instructors taught in a way where I was able to understand and retain the information so I could put it to use in my upcoming classes.”

— Mattie Schmitt  
Towner, ND



## Courses required MATHEMATICS (AS)

<b>Freshman Year</b>	<b>Fall</b>	<b>Spring</b>
ENGL 110 College Composition I .....	3	cr
MATH 103 College Algebra.....	4	cr
Lab Science Elective.....	4	cr
Social Science Elective .....	3	cr
Wellness Electives .....	1	cr
ENGL 120 College Composition II .....	3	cr
MATH 105 Trigonometry.....	3	cr
OR MATH 107 Precalculus .....	4	cr
Lab Science Elective.....	4	cr
Social Science Elective .....	3	cr
Wellness Electives .....	1	cr

<b>Sophomore Year</b>	<b>Fall</b>	<b>Spring</b>
CSCI 101 Intro. to Computers .....	3	cr
COMM 110 Fund. of Public Speaking.....	3	cr
MATH 165 Calculus I.....	4	cr
Art/Humanities Elective.....	3	cr
MATH 166 Calculus II.....	4	cr
MATH 210 Elementary Statistics .....	4	cr
PSYC 111 Intro. to Psychology .....	3	cr
Art/Humanities Elective.....	3	cr
Elective .....	4	cr

*All courses subject to change.*

## Contact Information



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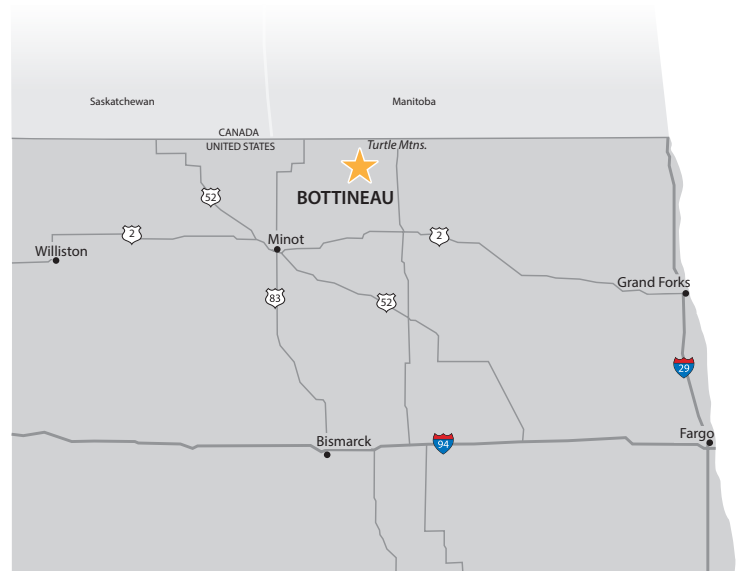
Admission Application and Campus Tours  
Admission/Student Services: 800-542-6866

WWW.DAKOTACOLLEGE.EDU (2/17)



## 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.



DCB offers seven varsity sports:  
Men's Basketball, Baseball, Football  
and Hockey; and Women's Basketball,  
Volleyball and Softball.