



## CAPE BRETON UNIVERSITY | School of Arts and Social Sciences

### BACHELOR OF ARTS SPECIALIZATION IN MATHEMATICS

#### WHAT IS THE STUDY OF MATHEMATICS?

Math relates to everything. It's an incredibly versatile subject, leveraged to solve the world's most complex issues in diverse fields like medicine, management, economics, government, computer science, physics, psychology, engineering and social sciences. Math is always evolving, pushing the boundaries of our knowledge in art and science, allowing us to make new discoveries.

Mathematicians find solutions that others can't. Math emerged from the earliest civilizations, using counting, geometry and architecture. Since then, mathematicians continue to make a lasting contribution to society.

#### WHY STUDY MATHEMATICS AT CAPE BRETON UNIVERSITY?

- The skills you pick up studying Math at CBU are useful in a range of fields like physical and health sciences to business, arts and law.
- Recent studies show the most satisfying and high paying jobs involve mathematics in some capacity
- Mathematics teaches you to think logically and use analytical reasoning to create the right conditions to resolve a problem

#### BA Degree

This program has two entry points, so students can start in September or January.

To learn more about the BA Specialization in Mathematics visit [chalocanada.ca/bamathr](http://chalocanada.ca/bamathr)

## MATHEMATICS COURSES

- MATH 4208 Nonlinear Optimization
- MATH 4205 Partial Differential Equations
- MATH 4101 Graph Theory
- MATH 3209 Probability & Mathematical Statistics
- MATH 3207 Introduction to Number Theory
- MATH 4103 Modern Algebra

## ACADEMIC SUCCESS COACHING

At Cape Breton University, we want all of our students to find success - and working with an academic success coach is a great way to get started. This one-on-one meeting gives you the chance to examine the big-picture goals of your university experience and determine the best way to reach them.

During this coaching visit, you will work with your coach to create an academic plan and discuss your strengths and areas in which you could improve.

## PROGRAM STRUCTURE

The School of Arts and Social Sciences offers four degree options:

- Bachelor of Arts – 4 Year Major
- Bachelor of Arts – 4 Year Double Major
- Bachelor of Arts – 4 Year Area Major
- Bachelor of Arts – 3 year

Students will receive a 3 or 4-year Canadian university degree upon the successful completion of the program.

## ADMISSION REQUIREMENTS

Applicants to the program must have completed five Grade 12 advanced or academic courses including English and mathematics with an overall average of at least 65%. Applicants must successfully complete the IELTS exam with a score of 6.5 band average with no individual section score less than 6.0.

## CAREER DEVELOPMENT SERVICES

Career Development Services will help you prepare for a successful career. Its services include individual career counselling, resume and cover letter writing, mock interviews with feedback, graduate information, labour market information and more.

## CAREERS

Math skills are in demand in most careers. This provides math graduates with many options for career choice and development including bank manager, data analyst, benefits administrator, educator, statistician, and insurance underwriter among others. The math degree also provides a solid foundation for students wanting to earn professional designations like chartered accountant and actuary.

CBU's BA in Mathematics will prepare you with the education necessary for you to achieve success in a broad range of industries.

### Attention

For those students who have graduated from an Indian educational institution with a degree in this subject area, credit recognition for your Indian courses is possible.

Please contact Chalo Canada for further details.

  
**Chalo Canada**  
*Your Pathway to Canada*

**For more information contact:**

**e: [application@chalocanada.ca](mailto:application@chalocanada.ca)**  
**w: [chalocanada.ca](http://chalocanada.ca)**

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