

## BACHELOR OF ARTS (BA)

# MATHEMATICS

A Bachelor of Arts in Math combines scientific principles with liberal-arts concepts and produces well-rounded and versatile graduates. Studying mathematics develops your problem-solving skills, trains you to think logically, and helps your decision-making abilities, all of which are valued by employers in many industries.

### OFFERS COURSES IN...

- Arithmetic
- Foundations

- Algebra
- Combinatorics
- Geometry
- Elementary topology
- Calculus
- Economics
- Statistics

## COURSE REQUIREMENTS FOR YOUR MAJOR

Complete your major requirements and test out different classes. *Design your academic plan — you're in control!*

### MAJOR COURSE REQUIREMENTS:

Refer to the general requirements for a Bachelor of Arts (BA), but to ensure access to a variety of 400-level courses, students should include Calculus I, Calculus II, Linear Algebra I, Intermediate Calculus I, and Intermediate Calculus II in the first two years of their program. Linear Algebra II and one of MATH 228 or MATH 326 are recommended.

The BA Honors in Mathematics is a flexible program. Students can design the degree for a general liberal education or for a specific career.

## WHAT CAN I DO WITH A MATHEMATICS DEGREE?

**I COULD BE A...** mathematician, risk manager, chartered accountant, data analyst, investment analyst, research scientist, secondary school teacher, statistician, systems developer, software tester.

Any field that uses mathematics is a potential area of employment.

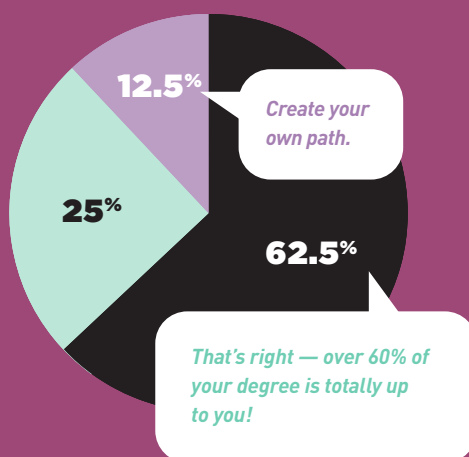
*To verify your Major and BA Common Requirements, check the University Calendar and speak to an advisor.*

## TOP 5 REASONS TO STUDY MATHEMATICS

- 1 Mathematics is inseparable from life as we know it, with many of civilization's most prized and proud achievements reliant on it.
- 2 Mathematics is considered the "universal language," allowing people to communicate across cultures and languages.
- 3 Mathematics is easily combined with other subjects, such as philosophy, linguistics, and economics.
- 4 Studying mathematics develops problem-solving and logical reasoning, skills that are easily transferable to other areas and situations.
- 5 Potential job prospects for math graduates are wide-ranging and often lead to permanent careers.

## BA MATHEMATICS

- Required Mathematics Courses (Major)
- BA Basic Requirements
- Second Major, Minor(s), Certificates, Electives



## STUDENT SUPPORTS

These are services that enable you to pursue academic and personal success.

- Academic advising
- Student Ombuds
- Indigenous Student supports
- Academic support
- Health & Wellness
- Campus Food Bank
- Libraries
- International Student supports
- Accessibility Resources
- Financial Aid & Awards
- Professional & Career Development
- Mental Health Supports

## WE ARE ALL TREATY PEOPLE

The University of Alberta respectfully acknowledges that we are situated on Treaty 6 territory, traditional lands of First Nations and Métis people.

## ENHANCE YOUR DEGREE

### ADD A CERTIFICATE IN:

- Community Engagement and Service-Learning
- Engaged Leadership and Citizenship in Arts & Science
- Economics and Management of Natural Resources, Energy and the Environment (EMNREE)

### CONSIDER ADDING:

- A minor or second major in areas that use mathematics

## DEPARTMENT CONTACT INFO:

**OFFICE:** Undergraduate Student Services  
**PHONE:** 780-492-4295  
**EMAIL:** arts.undergrad@ualberta.ca  
**WEBSITE:** ualberta.ca/mathematical-and-statistical-sciences

## FOLLOW US





**BLOG:** medium.com/ualberta-arts-insider  
**YOUTUBE:** UAlbertaArts  
**INSTAGRAM:** ualberta\_arts  
**FACEBOOK:** UofAArts  
**TWITTER:** UofA\_Arts

## BA MATHEMATICS

# DEGREE GUIDE


Your University experience is about what happens inside and outside of the classroom. This map is a tool to help you complement your academics with hands-on learning outside of the classroom and take advantage of student activities. Each new step will help you explore your options, take measured risks, and inform your next step. Being informed and engaged leads to a richer journey throughout your degree and beyond!


### LEGEND


-  GLOBAL PERSPECTIVE
-  GAIN EXPERIENCE
-  SEEK OUT CONNECTIONS
-  NAVIGATE COURSES

### EARLY DEGREE

Expand your career options, be proactive, and test possibilities. Join a student group.

 Take your two required Language Other than English courses!

 Attend a Career Centre Speaker Series event.


 Plan your degree path, investigating potential areas of applications. Meet your undergrad advisor.


 Book an advising appointment to improve your resume and job search skills!


### MID-DEGREE


Take risks, try new things, ask for and offer help to people you know and people you meet.


 Add research to your degree by participating in a summer research project.

 Learn more about Indigenous peoples, perspectives, and worldviews.

 Submit an essay for a mathematics undergraduate essay award or to a journal! Explore opportunities to tutor the first-year mathematics students.


 The Math in Moscow program allows Canadian students to study at a small, elite university for a semester or a year.


 Explore a certificate in Community Engagement and Service-Learning.


 Stay on track to graduate: Complete a Program Check on Bear Tracks.

### LATE DEGREE

Develop and revise your career story based on your values, interests, and what you learn.

 Let the Career Centre support your job search with career advising, resume/cover letter reviews, and networking events!

 Start networking: Get involved with a cultural club on campus or volunteer with UAlberta International.

 Investigate further education or career opportunities.

