

BACHELOR OF ARTS (HONORS)

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:

In the Honors program, we teach students a particularly designed sequence of courses that emphasizes rigour and the theoretical underpinnings of the subject:

- MATH 117/118 – Honors Calculus I/II, instead of MATH 154/155
- MATH 217/317 – Honors Advanced Calculus I/II, instead of MATH 214/215
- MATH 411 – Honors Complex Variables, instead of MATH 311
- Moreover, there are MATH 417/418 – Honors Real Variables, I/II

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 HONORS 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.

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.

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.

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

DEPARTMENT CONTACT INFO:

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

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ENHANCE YOUR HONORS DEGREE

ADD A CERTIFICATE IN:

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

