

Bachelor of Science in Mathematics

Find the solution at AUS





Math is Power

If you think that a math degree is only good for teaching math, think again. Mathematics is everywhere; it is utilized in government departments, insurance agencies, research institutions, engineering and management firms, IT firms and financial institutions. A degree in mathematics can open the door to exciting career opportunities and allow you to pursue further graduate studies in mathematics, engineering, business, finance and computer science.



What Can You Do with a Math Degree?

Graduates of mathematics are highly sought-after professionals across a wide range of industries, including engineering and management firms, insurance agencies and government institutions. Our own graduates are currently employed in a variety of different professional positions, including:

- actuary
- auditor
- budget analyst
- corporate advisor
- educator
- financial analyst/advisor
- forensic accountant
- IT professional
- media analyst
- quality control manager
- researcher
- statistician
- tax accountant
- university professor

“Studying mathematics sometimes made me wonder if I would ever be able to find a job outside academia, but seeing that I now work as a data analyst at a media agency, I can say I was definitely wrong. The logical mindset and analytical skills I had fresh out of AUS allowed me to become a valuable member of my team and start contributing in ways even my more experienced colleagues could not. The things you learn by studying mathematics are incredibly fundamental, but also in short supply in the professional world, so they will help you stand out no matter where you end up working.”

Aazim Haque, Manager–Analytics at Publicis Media



Department of Mathematics and Statistics

Our Bachelor of Science in Mathematics program seeks to provide you with an understanding of the broad outlines of modern mathematics and its application in a variety of disciplines. We aim to stimulate your interest in research, and to prepare you for future work in professions requiring a solid math background and strong analytical skills.

We also offer minors in applied and computational mathematics, data science and actuarial mathematics, which allow you to further specialize in your studies.

The program is built on the premise of up-to-date knowledge and technology and is in line with mathematics programs in highly regarded universities in the United States.

Mathematics students benefit from the American-style liberal arts curriculum at AUS, which provides the opportunity to explore a wide range of elective courses outside of the mathematics major for a richer and more diverse educational experience.



Admission Requirements

Formal admission to the program follows AUS's admission requirements. Students transferring into the program must have a cumulative GPA of 2.0 or higher and a minimum grade of C in each of MTH 104, MTH 205 and MTH 221.

Degree Requirements

The Bachelor of Science in Mathematics program comprises of a minimum of 123 credits:

General education requirements: **44 credits**

Major requirements: **34 credits**

Major electives: **30 credits**

Free electives: **15 credits**

Faculty

Our internationally diverse faculty hold the highest qualifications in mathematics, which means they can provide you with the very best instruction and research to ensure your success as a student at AUS.

In the area of mathematical sciences, AUS faculty research spans a wide range of topics including pure mathematics (analysis, algebra and topology), applied mathematics, mathematical physics, financial mathematics, probability, statistics and data mining.

If you want to pursue a degree in mathematics at AUS, then we want to hear from you.

Contact us today

BSMTH@aus.edu

www.aus.edu/mathematics

V_10_19

Apply now

www.aus.edu/apply

