

Master of Science in Mathematics

Advance your career or build a foundation for a PhD



Mathematics is a foundational tool for scientific, business and industrial advancement. As today's industries and businesses continue to emerge and take on new dimensions, **employers are looking to skilled critical analysts and abstract thinkers** to solve new and complex problems.

Through the **Master of Science in Mathematics (MSMTH)** program at AUS, students have opportunities to conduct independent research in specialized mathematics areas and apply advanced mathematical concepts to workplace challenges. Graduates of the program now work in prestigious mathematics-based roles in public and private organizations in the Middle East and around the world.

Program Overview

Our program provides students with a rigorous and thorough knowledge of a broad range of pure and applied areas of mathematics. It provides foundational training for graduate students with different professional goals, ranging from seeking employment or career advancement in business, industry or government, to establishing a research career or pursuing a PhD in mathematics or other related fields.

Benefits of the program

-  Flexible schedule means you can maintain your employment
-  Opportunities for research with our excellent faculty
-  Financial assistance available

Degree Requirements

The program can be completed within two years. Students must successfully complete at least 30 credit hours: 12 credits (4 courses) of core courses, 12 credits (4 courses) chosen from a wide range of electives, 0 credit graduate seminar, and a 6-credit master's thesis.

Career Opportunities

Individuals with advanced mathematical training have forged successful careers in business, finance, education, medicine, engineering and basic sciences.

Mathematicians excel as:

data analysts	while some are leading new endeavors in space sciences and more.
financial managers	
financial analysts	
educators	
researchers	
quantity surveyors	

Financial Assistance

AUS offers graduate students research and teaching assistantships on a competitive basis. This offers not only financial assistance but also hands-on experience in teaching and research helpful to students interested in pursuing a career in academia.

“The faculty members enhance our cognitive abilities to prepare us for future challenges. It was a blessing to pursue my master's degree here because it has not only increased my interaction with these scholarly heavyweights and the undergraduate students, but it has also enriched my mathematical skills.”

Binish Jamal, MSMTH alumnus

Program Faculty

Our faculty members hold PhDs from leading institutions such as Stanford University, Imperial College London, University of Virginia, Laval University and University of Texas at Arlington.



Admission Requirements

In addition to meeting the university's admission requirements, applicants must hold a bachelor's degree in mathematics or a related field and have successfully completed at least:

- 9 credit hours in calculus
- 3 credit hours in differential equations
- 3 credit hours in linear algebra
- 3 credit hours in modern algebra
- 3 credit hours in advanced calculus

However, for qualified applicants who have not completed at least one of the courses listed above, conditional admittance can be granted upon successful completion of all required courses.



Contact Us

msmth@aus.edu

www.aus.edu/cas/msmth

Apply Now

www.aus.edu/apply