



CAS University  
Recognition Program  
Bronze Level

# APPLIED MATHEMATICS

## AREA OF STUDIES

The Applied Mathematics major is designed for students who enjoy solving complex problems and want to make a real impact across industries. Mathematics is not only the foundation of science and technology but also a powerful tool for decision-making in today's data-driven world. Our program equips students with analytical, computational, and modeling skills that are highly valued in business, finance, technology, and research.

At MUIC, we provide a strong core in mathematics while allowing students to tailor their studies to career goals. Students may complement their degree with a **Minor in Decision Making**, where they learn modern techniques in optimization, operations research, and strategic planning. For those interested in data analysis, the **Minor in Statistics** provides rigorous training in statistical reasoning and applications. In addition, students may pursue a Certificate in Actuarial Mathematics, preparing them for one of the world's most challenging and rewarding professions.

## CAREER OPPORTUNITIES

1. Data Scientist / Data Analyst
2. Financial Analyst / Quantitative Analyst
3. Actuary
4. Operations Research / Optimization Specialist
5. Academic or Researcher



INSURANCE