



Strathmore
UNIVERSITY

FOR MORE DETAILS CONTACT:

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**MASTER OF SCIENCE IN
MATHEMATICAL FINANCE**



Strathmore University
Institute for Mathematical Sciences



Master of Science in Mathematical Finance

COURSE DETAILS

The pace of change in the financial services sector has never been faster than it is today. Rapid technological advances combined with ever heightening customer expectations require firms and their employees to generate ideas, calculate business cases and build prototypes faster than ever before. The **Masters of Science in Mathematical Finance** offered at Institute of Mathematical Sciences, Strathmore University, provides all the fundamental building blocks for a successful graduate working in an analytical role in this challenging environment.

CAREERS

The program will prepare you for a wide variety of financial roles, including but not limited to: Computational finance, Financial engineering, Investment banking, Risk management software, Trading system development, Securities trading and financial risk management, Derivatives trading and risk management and Collateralized debt obligation.

In Kenya, graduates with a **MSc. Mathematical Finance** can work in Investment banking sector, insurance sector, banking industry, pension schemes, and Government organizations like

Capital Markets Authority, Insurance Regulatory Authority, Kenya Revenue Authority, NSSF, and any other firms that would require quants in finance, pricing and risk management.

LEARNING FACILITIES

You will have access to state of the art ICT platforms like eLearning system, numerous computer laboratories, unlimited internet, a wide range of software and email.

The university also has a well-stocked library with the latest titles in Mathematics of Finance that will be used for learning, in addition to accessible online journals.

The Institute has also collaborated with other organizations and universities to ensure that the students get the best value for their time. Apart from that, the IMS has collaborated with a financial data services platform that will be providing students with live data from the Nairobi Securities Exchange to aid both their learning and research.

ENTRY REQUIREMENTS

a) The following are eligible for admission into the MSc. Mathematical Finance:

WHY STRATHMORE?

Quality Education
Student Coaching
Rigorous Standards

International Faculty
Powerful Networks
World-class facilities

- Holders of First Class or Upper Second in Mathematics or a related discipline; OR
- Holders of Lower Second Class degrees in Mathematics or a related discipline plus Postgraduate Diplomas in relevant areas; OR
- Holders of Lower Second Class Degrees in Mathematics or related disciplines plus a minimum of two years of working experience; OR
- Holders of other related qualifications from recognized universities.

b) In addition to meeting the above criteria, the applicants will be required to attend and pass an oral interview and a Graduate Entrance Examination (GEE).

c) They will also be required to present two reference letters from academic referees.

Intake

The annual intake will be in the month of September Semester

- 1st Semester: September - December
- 2nd Semester: January - April
- 3rd Semester: May - August

Interview requirements

Interviews are held on Wednesdays and Fridays. Please carry the following:

- 2 passport-size photos
- Original and copies of academic certificates
- CV and a copy of national ID or passport
- Interview fee: Kshs. 2,300

