FACULTY OF SCIENCE AND TECHNOLOGY
Department of Mathematics

MSc. in Mathematics

UWI
MONA CAMPUS
JAMAICA, WEST INDIES

Programme Overview

The primary objective of the M.Sc. Mathematics programme is to:

1. provide graduates with a comprehensive advanced knowledge of important areas of mathematics.
2. produce graduates with high level of analytic and numerical skills required in a 21st century economy
3. furnish graduates with the necessary background for further study in Mathematics, and enhance their research capabilities and
4. enable graduates to function effectively as teachers, at both the school and university levels.

Entry Requirements

- To enter this programme, a candidate must normally hold a first degree with at least second class honours and a major in Mathematics.

  Candidates with different qualifications may be considered but will be required to pass qualifying courses, as prescribed by the Department.

- Students must have passed the following courses (or their equivalent):
  - MATH2401 – Elements of Mathematical Analysis,
  - MATH2410 – A First course in Linear Algebra and
  - MATH3402 – A First course on Metric Spaces & Topology.

- It should be noted that students must pass all the assigned qualified courses before proceeding to the MSc programme. Resits of qualifying courses are not permitted.

How to Apply

Visit https://www.mona.uwi.edu/content/entry-requirements, click on apply now, create an account and follow the instructions.

Submit supporting documents to
Assistant Registrar, Office of Graduate Studies and Research,
The University of the West Indies, Mona Campus.

Request degree granting institutions other than The UWI to forward official transcripts directly to the Office of Graduate Studies and Research, The University of the West Indies, Mona Campus.

Programme Structure

COURSE CODE	COURSES TITLE	CREDITS
CORE COURSES		
MATH6621	General Topology	4
MATH6624	Topics in Mathematical Analysis	4
MATH6625	Measure and Integration	4
MATH6626	Elements of Functional Analysis	4
MATH6800	Research Project	8
ELECTIVES		
MATH6622	Differential Equations	4
MATH6623	Numerical Methods for Differential Equations	4
MATH6627	Group Theory with Applications	4
MATH6628	Differential Geometry	4
MATH6629	Mechanics of Interacting Particles	4
MATH6633	A Course in Algebraic Number Theory	4
MATH6634	A Course in the History of Mathematics	4
MATH6635	Complex Analysis and Application	4
STAT6630	Introduction to Stochastic Process	4
STAT6631	The Analysis of Time Series	4
STAT6632	Multivariate Statistical Analysis	4

Duration

The programme will be offered over two years (24 months) inclusive of time needed for completion of the major Research Project.

Schedule

Courses will be offered in the Evenings:
Mondays – Fridays
5:30 pm – 9:00 pm

Contact Information

The University of the West Indies
Mona, Kingston 7, Jamaica, West Indies
Faculty of Science and Technology
Department of Mathematics

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