

<b>Programme Name</b>	Master of Science in Mathematics
<b>Programme Description</b>	Candidates are equipped with advance knowledge of mathematics and gain the foundation to conduct independent original research. Graduates are expected to apply critical thinking and analytical methods to career paths from either the educational or industrial sector. Postgraduate programmes are designed to impart advanced knowledge and cultivate further self-learning. The program motivates and guides students towards undertaking and executing research projects based on local, regional or international problems.
<b>Majors</b>	Mathematics
<b>Minimum Requirements</b>	The minimum entry requirement for the M.Sc. 2 year programmes is a B.Sc. in Mathematics with a grade point average of at least 3/5 (grade B or above) or equivalent. Those candidates who do not meet the minimum grade point average requirement must have served in relevant areas (teaching, research, industry) for at least TWO years and should demonstrate sufficient knowledge and aptitude to undertake higher studies.  The minimum entry requirement for the M.Sc. 1 year programmes is a postgraduate Diploma in Mathematics with a grade point average of at least 3/5 (grade B or above) or equivalent. Those candidates who do not meet the minimum grade point average requirement must have served in relevant areas (teaching, research, industry) for at least TWO years and should demonstrate sufficient knowledge and aptitude to undertake higher studies
<b>Duration</b>	4 Semesters
<b>Programme Type</b>	Master of Science
<b>College Name</b>	College of Engineering, Science & Technology
<b>Campus</b>	Samabula & Lautoka
<b>Credit Points</b>	240

<b>Programme Structure</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credit Points</b>
	<b>Year 1 Semester 1</b>	
MTH801	Research Methods in Mathematics	20
MTH802	Advanced Abstract Algebra	20
MTH807	Advanced Linear Algebra	20
	<b>Year 1 Semester 2</b>	
MTH803	Coding Theory and Cryptography	20
MTH804	Topology	20
MTH806	Advanced Ordinary Differential Equations	20
	<b>Year 2 Semester 1</b>	
MTH901	Research Project in Mathematics (Major) <b>OR</b>	60
MTH903	Functional Analysis	20

MTH904	Algebraic Number Theory	20
MTH906	Fuzzy Algebra	20
	<b>Year 2 Semester 2</b>	
MTH901	Research Project in Mathematics (Major)	60
MTH902	Research Project in Mathematics (Mini)	60
	<b>Total Credit Points</b>	<b>240</b>

<b>Course Prerequisite</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Prerequisite</b>
MTH801	Research Methods in Mathematics	Minimum Entry Requirements of the programme
MTH802	Advanced Abstract Algebra	Minimum Entry Requirements of the programme
MTH807	Advanced Linear Algebra	Minimum Entry Requirements of the programme
	<b>Year 1 Semester 2</b>	
MTH803	Coding Theory and Cryptography	Minimum Entry Requirements of the programme
MTH804	Topology	Minimum Entry Requirements of the programme
MTH806	Advanced Ordinary Differential Equations	Minimum Entry Requirements of the programme
	<b>Year 2 Semester 1</b>	
MTH901	Research Project in Mathematics (Major)	TBA
MTH903	Functional Analysis	Pass in MTH802, MTH804
MTH904	Algebraic Number Theory	Pass in MTH802
MTH906	Fuzzy Algebra	Pass in MTH802
	<b>Year 2 Semester 2</b>	
MTH901	Research Project in Mathematics (Major)	TBA
MTH902	Research Project in Mathematics (Mini)	TBA