Programme Name	Postgraduate Diploma in Science (Mathematics)
Programme Description	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.
Majors	Mathematics
Minimum Requirements	The minimum entry requirement for the postgraduate diploma in Science (Mathematics) programme is a B.Sc. in mathematics with a grade point average of at least 3/5 (grade B or above). 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.
Duration	2 Semesters
Programme Type	Postgraduate Diploma
College Name	College of Engineering, Science & Technology
Campus	Samabula & Lautoka
Credit Points	120

Programme Structure		
Course Code	**Course Title**	**Credit Points**
	Year 1 Semester 1	
MTH801	Research Methods in Mathematics	20
MTH802	Advanced Abstract Algebra	20
MTH807	Advanced Linear Algebra	20
	Year 1 Semester 2	
MTH803	Coding Theory and Cryptography	20
MTH804	Topology	20
MTH8XX	Elective – I	20
	Total Credit Points	**120**

List of Electives-I:

MTH805-Measure Theory

MTH806-Advanced Ordinary Differential Equations

MTH808-Theory of Manifolds

MTH809-Operation Research

Course Prerequisite		
Course Code	**Course Title**	**Prerequisite**
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
	Year 1 Semester 2	
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