

Programme Name	Bachelor of Science (Biology & Mathematics)
Programme Description	The Bachelor of Science Degree Program in Biological Sciences emphasizes a more quantitative approach to biology and mathematics. The B.Sc program will help students develop computer and mathematical skills needed for biological sciences in the 21 st century. Students opting for this B.Sc must take advanced mathematics and biology courses. This curriculum is ideal for students who wish to work in industry, in government, or as a researcher or teacher.
Majors	Biology and Mathematics
Minimum Requirements	Pass in Year 13 with 200 out of 400 marks with 50% minimum marks in Mathematics, English, Biology and any 1 of the Chemistry, Introduction to Technology or Physics subjects OR Foundation Science with GPA of 2.00 or more
Duration	3 Years Full Time
Programme Type	Bachelor of Science
College Name	College of Engineering, Science & Technology
Campus	Derrick & Lautoka Campuses
Credit Points	360

Programme Structure		
Course Code	Course Title	Credit Points
	Year 1 Semester 1	
MTH515	Single Variable Calculus	15
BIO509SEM	Botany	15
CIN506SEM	Computer Principles	15
LNG501SEM	English for Academic Studies	15
	Year 1 Semester 2	
ETH501SEM	Intermediate Ethics and Governance	15
MTH514SEM	Probability and Statistics	15
BIO508SEM	Cell Biology	15
BIO510SEM	Zoology	15
	Year 2 Semester 1	
MTH611	Real Analysis	15
MTH612	Abstract Algebra	15
BIO605SEM	Invertebrate Biology	15
BIO604SEM	Ecology	15
	Year 2 Semester 2	
MTH610	Ordinary and Partial Differential Equations	15
MTH613	Linear Algebra	15
BIO602SEM	Applied Microbiology	15
BIO603SEM	Genetics and Evolution	15

Year 3 Semester 1		
MTH710	Complex Analysis	15
MTH711	Numerical Analysis	15
BIO702SEM	Applied Animal Physiology	15
BIO703SEM	Applied Plant Physiology	15
Year 3 Semester 2		
MTH712	Linear Programming	15
MTH715	Integral Transforms	15
BIO705SEM	Molecular Biology and Biotechnology	15
BIO706SEM	Embryology (Animal and Plants)	15
Total Credit Points		360

Course		
Course Code	Course Title	Prerequisite
MTH515	Single Variable Calculus	MER
MTH514	Probability and Statistics	MER
MTH516	Solid Geometry and Multivariable Calculus	MER
MTH511	Discrete Mathematics	MER
MTH611	Real Analysis	Pass in MTH515 or MTH516
MTH612	Abstract Algebra	Pass in MTH511
MTH610	Ordinary and Partial Differential Equations	Pass in MTH515 or MTH516
MTH613	Linear Algebra	Pass in MTH515 or MTH516
MTH710	Complex Analysis	Pass in MTH611
MTH711	Numerical Analysis	Pass in MTH611 or MTH613
MTH712	Linear Programming	Pass in any 600 level Mathematics course
MTH715	Integral Transforms	Pass in MTH610
BIO509SEM	Botany	MER
BIO510SEM	Zoology	MER
BIO508SEM	Cell Biology	MER
CIN506SEM	Computer Principles	MER
LNG501SEM	English for Academic Studies	MER
ETH501SEM	Intermediate Ethics and Governance	MER
BIO605SEM	Invertebrate Biology	BIO510SEM

BIO604SEM	Ecology	BIO509SEM and BIO510SEM
BIO602SEM	Applied Microbiology	BIO509SEM and BIO510SEM
BIO603SEM	Genetics and Evolution	BIO509SEM and BIO510SEM
BIO702SEM	Applied Animal Physiology	BIO510SEM and BIO603SEM
BIO703SEM	Applied Plant Physiology	BIO509SEM and BIO603SEM
BIO705SEM	Molecular Biology and Biotechnology	BIO508SEM and BIO603SEM
BIO706SEM	Embryology (Animals and Plants)	BIO509SEM, BIO510SEM and BIO603SEM