

Programme Name	Bachelor of Science (Biology- Single Major)
Programme Description	The programme intended to churn out biologists who are suited to the current market needs and capable of understanding research and related activities in the life sciences. The programme will impart holistic knowledge in biology for them to understand life in more comprehensive manner. The students will have practical exercises in the laboratory as well as field trips in order to apply the theoretical knowledge that they have gained in lecture classes. This programme allows the students to major in single subject area by completing nine (9) compulsory and three (3) elective courses in biology. The total number of biology courses in this programme is 16.
Majors	Biology
Minimum Requirements	An aggregate mark of 200 in the Year 13 External Examination with a pass of: 50% in English, 50% in Mathematics, 50% in Biology, and pass in any one of the science (i.e. Chemistry or Physics) subjects.
Duration	3 Years on Full time
Programme Type	Bachelor Degree
College Name	College of Engineering, Science and Technology
Campus	Lautoka and Nabua Campuses (Year 1- 3)
Credit Points	360

Programme Structure		
Course Code	Course Title	Credit Points
Year 1 Semester 1		
BIO509SEM	Botany	15
CIN506SEM	Computer Principles	15
LNG501SEM	English for Academic Studies	15
XXX5XXSEM	Elective 1	15
Year 1 Semester 2		
BIO510SEM	Zoology	15
BIO508SEM	Cell Biology	15
ETH501SEM	Intermediate Ethics and Governance	15
XXX5XXSEM	Elective 2	15
Year 2 Semester 1		
BIO605SEM	Invertebrate Biology	15
BIO604SEM BIO606SEM (Any ONE only)	Ecology Tropical Plant Biology	15
XXX6XXSEM	Elective 3	15
XXX6XXSEM	Elective 4	15
Year 2 Semester 2		
BIO602SEM	Applied Microbiology	15
BIO603SEM	Genetics and Evolution	15
XXX6XXSEM	Elective 5	15

XXX6XXSEM	Elective 6	15
	Year 3 Semester 1	
BIO702SEM	Applied Animal Physiology	15
BIO703SEM	Applied Plant Physiology	15
XXX7XXSEM	Elective 7	15
XXX7XXSEM	Elective 8	15
	Year 3 Semester 2	
BIO705SEM	Molecular Biology and Biotechnology	15
BIO706SEM	Embryology (Animals and Plants)	15
BIO704SEM BIO707SEM (Any ONE only)	Marine Biology Evolution	15
XXX7XXSEM	Elective 9	15
Total Credit Points		360

Course Prerequisite		
Course Code	Course Title	Prerequisite
BIO509SEM	Botany	Pass in year 13/Form 7 with biology or equivalent
CIN506SEM	Computer Principles	Pass in year 13/Form 7 or equivalent
LNG501SEM	English for Academic Studies	A pass in Form 7/Year 13 exam with a minimum total of 200 marks or equivalent. Recognition would be given to mature aged students who do not meet the 13 years of continuous progression but who have relevant work experience and prior learning.
BIO510SEM	Zoology	Pass in year 13/Form 7 with biology or equivalent
BIO508SEM	Cell Biology	Pass in year 13/Form 7 with biology or equivalent
ETH501SEM	Intermediate Ethics and Governance	Pass in year 13/Form 7 or equivalent
BIO605SEM	Invertebrate Biology	BIO510SEM
BIO604SEM	Ecology	BIO509SEM and BIO510SEM
BIO606SEM	Tropical Plant Biology	None
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
BIO704SEM	Marine Biology	BIO510SEM and BIO605SEM
BIO707SEM	Evolution	None

Note:

1. Bachelor of Science consists of –

- a. A total credit of not less than 360 points from units at level 5 – 7 described as below and
 - b. A pass in three generic units.
2. A single major in a science subject is awarded upon completion of –
- a. A minimum of 180 credits in the subject, with at least 45 credits from level 5, level 6 and level 7 units each.
 - b. At least 75 credits in any other science subject wherein at least 15 credits is earned from level 5, 6 and 7 units, each.
 - c. At least 105 credits in any other subject units from level 5 – 7 or their equivalent. This is inclusive of generic University units.
 - d. Criterion 1 and 2 applies simultaneously.