

Programme Name	Master of Science in Biology
Programme Description	The Department of Biology offers flexible modes of Master of Science degree programme either by major thesis (120 CP) or minor-thesis (60 CP) along with 3 taught courses (60 CP). Both modes require a minimum of 120 credit points for awarding the masters degree. Advanced knowledge of biological principles and research methodology is often required for positions in industrial, research and educational organizations or for admission to doctoral or professional programs. Students in the Master of Science program are provided instruction in a range of biology sub-disciplines and have the opportunity to conduct focused research guided by graduate faculty in an area of their choice. The Master of Science program also aims to develop the student's independent research skills, to strengthen the student's scientific communication abilities, and to enhance the student's likelihood of gaining employment in a biological field or successful admission into doctoral and professional programs. Students are required to write a Master of Science thesis.
Majors	Biology
Minimum Requirements	The minimum entry requirement for Masters programme is students with Postgraduate Diploma in Biology are given admission to Master of Science year (i.e. level 9) courses.
Duration	1 Year on Full time
Programme Type	Master of Science
College Name	College of Engineering, Science and Technology
Campus	Lautoka Campus (Year 1)
Credit Points	120

Programme Structure		
Course Code	Course Title	Credit Points
	Year 1 Semester 1	
BIO801	Research Methods in Biology (Compulsory)	20
(Any Two Courses Only)		
BIO802	Systematics and Molecular Phylogenetics	20
BIO803	Plant Breeding and Genetics	20
BIO804	Molecular Genetics and Biotechnology	20
BIO809	Advanced Ecosystems and Ecology	20
	Year 1 Semester 2	
(Any three courses or BIO810 only)		
BIO805	Advanced Microbiology	20
BIO806	Advanced Plant Physiology	20
BIO807	Advanced Animal Physiology	20
BIO808	Biodiversity and Conservation Biology	20
BIO810	Research Project(s) in Biology	60
	Year 2 Semester 1	
BIO901	Research Project in Biology (Major)	60
(Or any three units from below)		
BIO903	Population Genetics and Evolution	20

BIO904	Genetic Engineering and Genetically Modified Organisms (GMOs)	20
BIO905	Food and Industrial Microbiology	20
BIO906	Environmental and Stress Physiology	20
BIO907	Current issues in Biodiversity and Conservation	20
BIO908	Animal Behavior	20
	Year 2 Semester 2	
BIO901	Research Project in Biology (Major)	60
BIO902	Research Project in Biology (Minor)	60
	Total Credit Points	240

Course Prerequisite		
Course Code	Course Title	Prerequisite
BIO801	Research Methods in Biology	Pass in B.Sc (Single or Double major in Biology)
BIO802	Systematics and Molecular Phylogenetics	Pass in B.Sc (Single or Double major in Biology)
BIO803	Plant Breeding and Genetics	Pass in B.Sc (Single or Double major in Biology)
BIO804	Molecular Genetics and Biotechnology	Pass in B.Sc (Single or Double major in Biology)
BIO809	Advanced Ecosystems and Ecology	Pass in B.Sc (Single or Double major in Biology)
BIO805	Advanced Microbiology	Pass in B.Sc (Single or Double major in Biology)
BIO806	Advanced Plant Physiology	Pass in B.Sc (Single or Double major in Biology)
BIO807	Advanced Animal Physiology	Pass in B.Sc (Single or Double major in Biology)
BIO808	Biodiversity and Conservation Biology	Pass in B.Sc (Single or Double major in Biology)
BIO810	Research Project(s) in Biology	Pass in B.Sc (Single or Double major in Biology)
BIO901	Research Project in Biology (Major)	Postgraduate Diploma in Biology
BIO902	Research Project in Biology (Minor)	Postgraduate Diploma in Biology
BIO903	Population Genetics and Evolution	Postgraduate Diploma in Biology
BIO904	Genetic Engineering and Genetically Modified Organisms (GMOs)	Postgraduate Diploma in Biology
BIO905	Food and Industrial Microbiology	Postgraduate Diploma in Biology
BIO906	Environmental and Stress Physiology	Postgraduate Diploma in Biology
BIO907	Current issues in Biodiversity and Conservation	Postgraduate Diploma in Biology
BIO908	Animal Behaviour	Postgraduate Diploma in Biology