

Programme Name	Master of Science (Chemistry)
Programme Description	Research qualification
Majors	<i>Chemistry (all areas)</i>
Minimum Requirements	<p>The minimum entry requirement for Master of Science is grade point average of 3 out of 5 that is letter grade B and above in BSc or equivalent.</p> <p>Students with Post Graduate Diploma in Chemistry are given lateral entry at Year-2.</p> <p>Those candidates who do not meet minimum grade point average requirement must have served in relevant areas (teaching, research, industry) for at least TWO years and would have gained sufficient knowledge and developed aptitude to undertake higher studies.</p>
Duration	Five Semesters
Programme Type	Master of Science
College Name	College of Engineering Science & Technology
Campus	Lautoka Campuses
Credit Points	240

Program Structure		
Course Code	Course Title	Credit Points
	Year 1 Semester 1	
CHM801	Research Methods in Chemistry#	20
CHM803	Structure and Reactivity of Organic Compounds#	Any 2x20
CHM811	Chemistry of Fuels, Biofuels and Batteries #	
CHM804	Topics in Advanced Inorganic and Organic Materials	
CHM807	Bio-Inorganic Chemistry	
CHM809	Advanced Chemical Analysis of Foods & Beverages	
CHM812	Topics in Current Chemistry 1	
	Year 1 Semester 2	
CHM802	Chemistry of Natural Products#	Any 3x20
CHM805	Photo-electrochemistry and Photo-catalysis#	
CHM810	Forensic Chemistry#	
CHM808	Analysis of Drugs and Pharmaceuticals	
CHM806	Advanced Environmental Chemistry	

	Year 2 Semester 1	
CHM901	M.Sc. Research Project (Major) in Chemistry#	60
	Year 2 Semester 2	
CHM901	M.Sc. Research Project (Major) in Chemistry#	60
Alternative Plan	Year 2 Semester 1	
CHM902	M.Sc. Research Project (Minor) in Chemistry#	30
CHM904	Organometallic Chemistry and Catalysis	Any 1 or 2 X20
CHM905	Chemistry of Conjugated and Cumulated Compounds	
CHM908	Applied Computational Chemistry and Molecular Modelling	
CHM909	Agrochemicals and Their Environmental Fate	
	Year 2 Semester 2	
CHM902	M.Sc. Research Project (Minor) in Chemistry	30
CHM903	Concepts in Nano chemistry	Any 2 or 1 X20
CHM906	Pericyclic Reactions	
CHM907	Advanced Medicinal Chemistry	
CHM910	Chemistry of Paints Coatings and Solvents	
CHM911	Chemistry of Adhesives and Sealants	
CHM912	Topics in Current Chemistry 2	
Total Credit Points		240

#: Available in 2018. Availability of other units would be advised in due time

Course Prerequisite		
Course Code	Course Title	Prerequisite
CHM801	Research Methods in Chemistry	Pass in any 3 BSc year 3 Chemistry Units
CHM802	Chemistry of Natural Products	Pass in any 3 BSc year 3 Chemistry Units
CHM803	Structure and Reactivity of Organic Compounds	Pass in any 3 BSc year 3 Chemistry Units
CHM804	Topics in Advanced Inorganic and Organic Materials	Pass in any 3 BSc year 3 Chemistry Units
CHM805	Photo-electrochemistry and Photo-catalysis	Pass in any 3 BSc year 3 Chemistry Units
CHM806	Advanced Environmental Chemistry	Pass in any 3 BSc year 3 Chemistry Units
CHM807	Bio-Inorganic Chemistry	Pass in any 3 BSc year 3 Chemistry Units
CHM808	Analysis of Drugs and Pharmaceuticals	Pass in any 3 BSc year 3 Chemistry Units

CHM809	Advanced Chemical Analysis of Foods & Beverages	Pass in any 3 BSc year 3 Chemistry Units
CHM810	Forensic Chemistry	Pass in any 3 BSc year 3 Chemistry Units
CHM811	Chemistry of Fuels, Biofuels and Batteries	Pass in any 3 BSc year 3 Chemistry Units
CHM812	Topics in Current Chemistry 1	Pass in any 3 BSc year 3 Chemistry Units
CHM901	M.Sc. Research Project (Major) in Chemistry	Pass in any 4 of the Chemistry level 8 units
CHM902	M.Sc. Research Project (Minor) in Chemistry	Pass in any 4 of the Chemistry level 8 units
CHM903	Concepts in Nano chemistry	Pass in any 4 of the Chemistry level 8 units
CHM904	Organometallic Chemistry and Catalysis	Pass in any 4 of the Chemistry level 8 units
CHM905	Chemistry of Conjugated and Cumulated Compounds	Pass in any 4 of the Chemistry level 8 units
CHM906	Pericyclic Reactions	Pass in any 4 of the Chemistry level 8 units
CHM907	Advanced Medicinal Chemistry	Pass in any 4 of the Chemistry level 8 units
CHM908	Applied Computational Chemistry and Molecular Modelling	Pass in any 4 of the Chemistry level 8 units
CHM909	Agrochemicals and Their Environmental Fate	Pass in any 4 of the Chemistry level 8 units
CHM910	Chemistry of Paints Coatings and Solvents	Pass in any 4 of the Chemistry level 8 units
CHM911	Chemistry of Adhesives and Sealants	Pass in any 4 of the Chemistry level 8 units
CHM912	Topics in Current Chemistry 2	Pass in any 4 of the Chemistry level 8 units