Bachelor of Science

MAJOR Chemistry

This study plan should be used as a general guide for your course. We recommend you consult with your <u>CSE</u> <u>Course/Major Advisor</u> and particularly if your intended enrolment varies from this plan.

The information in the study plan is current at the time of creation and may be subject to future change. If you would prefer a part-time study plan, please adjust the below study planner; reviewing subject prerequisites to ensure you are on track for course completion.

Useful study planning/enrolment resources:

To search for information on subjects: <u>Subject Search</u> To register for your classes: <u>Class Registration</u> For important dates check: <u>Academic Calendars</u> Further enrolment resources: <u>Enrolment Resources</u>

	STUDY PERIOD 1	STUDY PERIOD 2
Year 1	Course SC1101 :03 Science Technology and Truth	Course SC1102:03 Modelling Natural Systems PREREQ: MA1020 or MA0020 or Senior Mathematics or equivalent or SC1109:03 Modelling Natural Systems-Advanced ^ PREREQ: MA1000 or MA1009
	Course MA1020:03 Preparatory Mathematics – SP3 or Elective (only if already satisfied via previous study)	Major CH1002 :03 Chemistry: Principles and Applications PREREQ: CH1001 or CH1011 and allow concurrent for CH1011 and CH1001
	Course CH1020:03 Preparatory Chemistry or Elective (if already satisfied via previous study)	Elective Select 6 credit points of subjects from List 1 (Breadth Subjects)
	Major CH1001:03 Chemistry: A Central Science PREREQ: CH1020, CH0020 or EG1010 or High School Senior Chemistry	Elective

^Note: SC1109 is compulsory in the Advanced BSc Program and should be taken instead of SC1102 if you are considering that pathway.



	STUDY PERIOD 1	STUDY PERIOD 2
Year 2	Course SC2202:03 Quantitative Methods in Science PREREQ: SC1102 or SC1109	Major
	OR SC2209:03 Quantitative Methods in Science-Advanced PREREQ: MA1003 and SC1109 plus 6 credit points of level 1 subjects	CH2310:03 Organic Chemistry PREREQ: CH1001, CH1002
	Course Select 3 credit points of subjects from List 2 (Skill Subjects)	Major CH2103:03 Analytical Chemistry PREREQ: CH1001 or CH1011
	Major CH2210:03 Syntheses and Mechanism in Inorganic Chemistry PREREQ: CH1001, CH1002	Elective
	Elective Select 6 credit points of subjects from List 1 (Breadth Subjects)	Elective

	STUDY PERIOD 1	STUDY PERIOD 2		
	Course			
	SC3008:03 Professional Placement			
	Select Availability in Study Period 1, 2, 3, 7 or 11			
	PREREQ: Students must have successfully completed 12 credit points of second year.			
	Enrolment is restricted to students with an approved placement			
e	Major	Major		
	CH3210:03 Applications of Inorganic Chemistry	CH3310:03 Special Topics in Organic Chemistry		
Year	PREREQ: CH2210	PREREQ: CH2310		
		Major		
	Elective	CH3110:03 Special Topics in Analytical Chemistry		
		PREREQ: CH2103		
	Elective	Elective		
		Elective		



BREADTH SUBJECTS - LIST 1				
STUDY PERIO	D 1	STUDY PERIOD 2		
BM1000:03 Introductory Biochemistry and Microbiology PREREQ: Allow concurrent enrolment in CH1020, CH0020 or Senior Chemistry		BS1001:03 Introduction to Biological Processes		
BS1007:03 Introduction to Biodiversity		CH1002:03 Chemistry: Principles and Applications PREREQ: CH1001 OR CH1011 and allow concurrent for Ch1011 and CH1001		
CH1001:03 Chemistry: A Central Science PREREQ: CH1020, CH0020 or EG1010 or High School Senior Chemistry		EA1110:03 Evolution of the Earth		
EG1000:03 Engineering 1		MA1003:03 Mathematical Techniques PREREQ: MA1000 or MA1011 or MA1009		
EV1005:03 Environmental Processes and Global Change		MA1580:03 Foundations of Data Science PREREQ: MA1000 or MA1020 or MA0020 or Maths B		
MA1000:03 Mathematical Foundation PREREQ: MA1020 or MA0020 or Maths B or Maths C		PH1007:03 Advanced Stream Physics 2 PREREQ: ((Maths B or equivalent or MA1020 or MA0020) and PH1005) or (Physics and Maths C)		
PH1005:03 Advanced Stream Physics 1 PREREQ: MA1000				
TRIMESTER 1	TRIMES	STER 2	TRIMESTER 3	
CP1401:03 Problem Solving and Programming I	CP1401:03 Probler Programming I *External	n Solving and	CP1404:03 Programming II PREREQ: CP1801 or CP1401 or CP1200 or EG1002 or CP2200 or SC1201	
	CP1404:03 Program *External	mming II		

SKILL SUBJECTS - LIST 2			
STUDY PERIOD 1	STUDY PERIOD 2		
MA2000:03 Mathematics for Scientists and Engineers <i>PREREQ: MA1003</i>	CH2103:03 Analytical Chemistry PREREQ: CH1001 or CH1011		
MA2830:03 Data Visualisation	EV2502:03 Introduction to Geographic Information Systems PREREQ: At least 12 credit points of level 1 subjects		
SC3010:03 Sensors and Sensing for Scientists PREREQ: BZ2001 or SC2202 or SC2209 or SC2201	MA2210:03 Linear Algebra PREREQ: MA1003		

TRIMESTER 3

CP2404:03 Database Modelling



ADDITIONAL INFORMATION

A maximum of 30 credit points may be taken at Level 1. A minimum of 18 credit points of science subjects must be taken at Level 3 or higher.

COURSE HANDBOOK

Bachelor of Science Handbook Chemistry Major