

RECOMMENDED STUDY PLAN

2021

DEGREE Bachelor of Advanced Science MAJOR Chemistry (CHY) – TSV only after 1st Semester

NAME _____

To assist you with subject information, we recommend you consult with your CSE Course/Major Advisor and refer to [Subject Search](#). If you would prefer a part-time study plan, please adjust the below planner, reviewing subject prerequisites to ensure you are on track for course completion.

	Study Period 1 - SP1	Study Period 2 - SP2
Year 1	Degree Core: <u>SC1101</u> Science Technology and Truth	Degree Core: <u>SC1109</u> Modelling Natural Systems-Advanced PREREQ: MA1000 OR MA1009
	Degree Core: <u>MA1000</u> Mathematical Foundations PREREQ: MA1020 OR MATHEMATICS B OR MATHS C	Degree Core: <u>MA1003</u> Mathematical Techniques PREREQ: MA1000 OR MA1011 OR MA1009
	Major Core: <u>CH1001</u> Chemistry: A Central Science PREREQ: CH1020 OR EG1010 OR SENIOR CHEMISTRY	Major Core: <u>CH1002</u> Chemistry: Principles & Applications PREREQ: CH1001 OR CH1011
	Elective/Minor/2nd Major:	
	SP3 (Jan-Feb)	
	Degree Core: <u>CH1020</u> Preparatory Chemistry # <i># This subject is equivalent to chemistry from high school. This core subject may be replaced by an elective if you pass the chemistry competency test.</i>	

	Study Period 1 - SP1	Study Period 2 - SP2
Year 2	Degree Core: <u>SC2209</u> Quantitative Methods in Science-Advanced PREREQ: SC1109 AND MA1003 PLUS 6CP OF OTHER LEVEL 1 SUBJECTS	Major Core: <u>CH2310</u> Syntheses and Mechanism in Organic Chemistry PREREQ: CH1001 AND CH1002
	Major Core: <u>CH2210</u> Syntheses and Mechanism in Inorganic Chemistry PREREQ: CH1001 AND CH1002	Major Core: <u>CH2103</u> Analytical Chemistry PREREQ: CH1001
	Elective/Minor/2nd Major: <u>CH2042</u> Marine Chemistry and Chemical Ecology - Suggested PREREQ: CH1001 OR CH1011	Elective/Minor/2nd Major:
	Elective/Minor/2nd Major: <u>CH2043</u> Medicinal Chemistry and Pharmaceutical Analysis - Suggested PREREQ: CH1001, CH1002	Elective/Minor/2nd Major:

Year 3	Study Period 1 - SP1	Study Period 2 - SP2
	Degree Core: <u>SC3008</u> Professional Placement - <i>available any SP</i> OR <u>SC3003</u> Science Research Internship - <i>available any SP</i>	
	Major Core: <u>CH3310</u> Special Topics in Organic Chemistry PREREQ: CH2310	Degree Core List 1:
	Elective/Minor/2nd Major: <u>CH3041</u> Environmental Chemistry - <i>Suggested</i> PREREQ: CH1001 OR CH1011 OR EG1010	Major Core: <u>CH3110</u> Special Topics in Analytical Chemistry PREREQ: CH2103
	Elective/Minor/2nd Major:	Major Core: <u>CH3210</u> Applications of Inorganic Chemistry PREREQ: CH2210
	Elective/Minor/2nd Major:	

Further Degree Options:

Degree Core List 1: Advanced Skill Subjects		
Study Period 1 – SP1		Study Period 2 – SP2
		<u>BC5203</u> Advanced Bioinformatics
		<u>BS5260</u> Modelling Ecological Dynamics
		<u>CH5002</u> Research Skills and Communication in Chemistry (Adv)
<u>EA5409</u> Mineralogy and Geophysics – Not currently offered		<u>PH5014</u> Research Skills and Communication in Physics (Advanced) – Not currently offered
SP3 (Jan-Feb)		
SC5502 Design and Analyses in Ecological Studies – This subject will move to SP2 in 2022		