

RECOMMENDED STUDY PLAN

2021

DEGREE Bachelor of Advanced Science MAJOR Molecular and Cell Biology (MCB) – TSV only

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.

Year 1	Study Period 1 - SP1	Study Period 2 - SP2
	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>BM1000</u> Introductory Biochemistry and Microbiology PREREQ: CH1020 OR SENIOR CHEMISTRY	Major Core: <u>BS1001</u> Introduction to Biological Processes
		Degree Core: <u>CH1020</u> Preparatory Chemistry # # 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.
SP3 (Jan-Feb)		
Elective/Minor/2 nd Major: <u>MA1020</u> Preparatory Math* - Recommended *This subject is equivalent to QLD-Maths Methods from high school.		

Year 2	Study Period 1 - SP1	Study Period 2 - SP2
	Degree Core: <u>SC2209</u> Quantitative Methods in Science-Advanced PREREQ: SC1109 AND MA1003 PLUS 6CP OF OTHER LEVEL 1 SUBJECTS	Major Core: <u>BC2023</u> Molecular Genetics PREREQ: BM1000 AND 18CP LEVEL 1 SUBJECTS
	Major Core: <u>BC2013</u> Principles of Biochemistry PREREQ: 18CP LEVEL 1 SUBJECTS WHICH INCLUDES BM1000 AND BS1001	Major Core: <u>BC2024</u> Cell Biology PREREQ: BM1000 AND 18CP LEVEL 1 SUBJECTS
	Elective/Minor/2 nd Major:	Elective/Minor/2 nd Major:
	Elective/Minor/2 nd Major:	Elective/Minor/2 nd 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>BC3101</u> Genes, Genomes, and Development * PREREQ: BC2023	Degree Core List 1:
	Major Core: <u>BC3102</u> Molecular Basis of Disease * PREREQ: BC2013 AND BC2024	Major Core: <u>BC3201</u> Bioengineering * PREREQ: BC2013 AND BC2023
	Elective/Minor/2nd Major:	Elective/Minor/2nd Major: <u>BC3202</u> <i>Special Topics in Biochemistry and Molecular Biology - Recommended</i> PREREQ: BC2013 AND BC2023 AND BC2024
	Elective/Minor/2nd Major:	

*Advanced students are permitted to take the 5th year equivalent subject; BC5101, BC5102, BC5201

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)		
<u>SC5502</u> Design and Analyses in Ecological Studies - <i>This subject will move to SP2 in 2022</i>		