

# B1419 Bachelor of Biomedical Science (Major: Genetics and Biotechnology)

**Academic Chair:** A/Prof Ravi Tiwari  
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**Start Date:** Semester 1, 2026

Year 1 – 2026	Semester 1 Units	CP	Semester 2 Units	CP
	BMS100 Transition into Biomedical Sciences	3	BIO152 Cell Biology	3
	BMS101 Introduction to the Human Body	3	CHE144 Foundations of Chemistry	3
	MAS183 Statistical Data Analysis	3	BMS103 Introduction to Medical, Molecular and Forensic Sciences.	3
	CHE140 Fundamentals of Chemistry	3	BMS107-Foundations of Vertebrate Form and Function	3
	Winter Units	CP	Summer Units	CP
	Total	12	Total	12
Year 2 - 2025	Semester 1 Units	CP	Semester 2 Units	CP
	BIO282 Molecular Biology	3	BIO247 Biochemistry	3
	Specified Elective*	3	General Elective	3
	Discovery Study	3	General Elective	3
	General Elective	3	General Elective	3
	Winter Units	CP	Summer Units	CP
	Total	12	Total	12
Year 3 - 2026	Semester 1 Units	CP	Semester 2 Units	CP
	BIO394 Genetic Engineering	3	BIO390 Metabolic & Cellular Biochemistry	3
	BIO356 Genetics & Evolution	3	BIO378 Systems Biology	3
	General Elective	3	General Elective	3
	General Elective	3	General Elective	3
	Winter Units	CP	Summer Units	CP
	Total	12	Total	12

**TOTAL CREDIT POINTS 72**

**\*Specified Elective:** BMS212 Medical Microbiology or BIO246 Microbiology

**Note:** To complete a second major within the B1419 Bachelor of Biomedical Science, take the core units of that major in place of the indicated general electives.

## Major Prerequisite: Chemistry Background

Students who achieved a final scaled score of 50 per cent or more in Chemistry 3A/3B or Chemistry ATAR within the past three years will be granted a preclusion from CHE140 Fundamentals of Chemistry (and will take another unit in its place). Students who have completed previous chemistry not stated above should consult their Academic Chair for clarification of their enrolment requirements.

**General Electives** can be an elective unit or units towards a second major/minor. Students should keep in mind the Part 1 rule where no more than ten 100 level units are allowed.

**Recommended Electives:**

CHE103 Introduction to Forensic Science  
BMS206 Biomedical Physiology  
BMS211 Medical Immunology and Molecular Genetics  
BMS314 Pathological Basis of Disease  
BMS315 Advances in Medical Science  
BMS218 Haematology

BMS327 Diagnostic Genomics  
BMS213 Forensic Anatomy and Anthropology  
BIO367 Forensic Toxicology  
BIO309 Omics Technologies & Bioinformatics  
BIO311 Interactive Data Analytics and Visualisation  
MAS223 Applied Statistics  
MAS224 Biostatistical Methods  
BIO359 Forensic DNA Analysis  
BMS321 Histology

**Please note:** This course plan is a sample only and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as outlined in the [Handbook](#). This information is correct as of 19/09/2025.