

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

Academic Chair: A/Prof Ravi Tiwari
(R.Tiwari@murdoch.edu.au)

Start Date: Semester 2, 2026

Year 1 – 2026			Semester 2 Units	CP
			BMS100 Succeeding in Science	3
			CHE140 Fundamentals of Chemistry	3
			BMS103 Introduction to Medical, Molecular and Forensic Sciences	3
			BMS107-Foundations of Vertebrate Form and Function	3
			Total	12
Year 2 - 2027	Semester 1 Units	CP	Semester 2 Units	CP
	BMS101 Introduction to the Human Body	3	BIO247 Biochemistry	3
	BIO152 Cell Biology	3	General Elective	3
	CHE144 Foundations of Chemistry	3	General Elective	3
	MAS183 Statistical Data Analysis	3	General Elective	3
	Total	12	Total	12
Year 3 - 2028	Semester 1 Units	CP	Semester 2 Units	CP
	BIO282 Molecular Biology	3	BIO390 Metabolic & Cellular Biochemistry	3
	Specified Elective*	3	BIO378 Systems Biology	3
	Discovery Study	3	General Elective	3
	General Elective	3	General Elective	3
	Total	12	Total	12
Year 4 - 2029	Semester 1 Units	CP		
	BIO394 Genetic Engineering	3		
	BIO356 Genetics & Evolution	3		
	General Elective	3		
	General Elective	3		
	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.

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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](#). Students should note that due to unit prerequisites, commencing study in Semester 2 may extend the duration of the course. This information is correct as at 13/05/26.