

B1380 Bachelor of Science (Major: Genetics and Molecular Biology)

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Start Date: Semester 2, 2025

Year 1 – 2025	Semester 1 Units	CP	Semester 2 Units	CP
			BMS100 Transition into Biomedical Science	3
			CHE140 Fundamentals of Chemistry	3
			MAS183 Statistical Data Analysis	3
			BMS103 Introduction to Medical, Molecular and Forensic Sciences.	3
	Total		Total	12
Year 2 - 2026	Semester 1 Units	CP	Semester 2 Units	CP
	BMS101 Introduction to the Human Body	3	BIO247 Biochemistry	3
	BIO152 Cell Biology	3	Part II General Elective	3
	CHE144 Foundations of Chemistry	3	Part II General Elective	3
	Part I General Elective	3	Part II General Elective	3
	Total	12	Total	12
Year 3 - 2027	Semester 1 Units	CP	Semester 2 Units	CP
	BIO282 Molecular biology	3	BIO390 Metabolic & Cellular Biochemistry	3
	BMS212 Medical Microbiology*	3	BIO378 Systems Biology	3
	Career Learning Unit [#]	3	Part II General Elective	3
	Part II General Elective	3	Part II General Elective	3
	Total	12	Total	12
Year 4 - 2028	Semester 1 Units	CP	Semester 2 Units	CP
	BIO394 Genetic Engineering	3		
	BIO356 Genetics and Evolution	3		
	Career Learning Unit [#]	3		
	Part II General Elective	3		
	Total	12	Total	

TOTAL CREDIT POINTS 72

*And/Or: BIO246 Microbiology

#Career Learning Unit

Choose any two from the following:

- SIK201 Two-Way Science
- MSP200 Building Enterprise Skills
- *MSP201 Real World Learning
- MSP202 Data Analytics and Storytelling in the 21st Century
- MMF302 Professional Placement in Medical, Molecular and Forensic Sciences

*MSP201 is not a self-enrolled unit and requires an approved application to grant enrolment. Students are required to organise their real-world learning experience prior to application for enrolment. See more info about the unit, eligibility, and application deadlines in the Handbook: <https://v3.pebblepad.com.au/spa/#/public/89jpzrpZ9j9jctmdcjxqHpjrrM>".

Note: To complete a second major within the B1380 Bachelor of Science, take the core units of that major in place of the indicated general electives.

Chemistry Background

Students who achieved a final scaled score of 50 percent 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.

Semester 1 notes	Semester 2 notes
Recommended Electives: BMS321 Histology BMS213 Forensic Anatomy and Anthropology MAS224 Biostatistical Methods BMS327 Diagnostic Genomics BIO359 Forensic DNA Analysis	Recommended Electives: BIO367 Forensic Toxicology BMS218 Haematology BMS316 Parasitology BRD202 Drugs in Society MAS223 Applied Statistics BMS211 Medical Immunology

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 at 12/05/2025.