B1374 Bachelor of Laboratory Medicine (Genetics & Molecular Biology Stream)

Academic Chair: **A/Prof Murray Adams (m.adams@murdoch.edu.au)** **Start Date:** Semester 1 2025

Year 1 – 2025	**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	BMS102 Introduction to Medical Laboratory Science	3
	CHE140 Fundamentals of Chemistry	3	BMS107 Foundations of Vertebrate Form & Function	3
	MAS183 Statistical Data Analysis	3	CHE144 Foundations of Chemistry	3
	Winter Units	**CP**	**Summer Units**	**CP**
	Total	12	**Total**	12
Year 2 - 2026	**Semester 1 Units**	**CP**	**Semester 2 Units**	**CP**
	BIO282 Molecular Biology	3	BIO247 Biochemistry	3
	BIO356 Genetics & Evolution	3	BMS211 Medical Immunology	3
	BMS212 Medical Microbiology	3	BMS218 Haematology	3
	BMS221 Histology and Histotechnology	3	Elective	3
	Winter Units	**CP**	**Summer Units**	**CP**
	Total	12	**Total**	12
Year 3 - 2027	**Semester 1 Units**	**CP**	**Semester 2 Units**	**CP**
	BIO394 Genetic Engineering	3	BIO390 Metabolic & Cellular Biochemistry	3
	BMS314 Pathological Basis of Disease	3	BMS323 Clinical Biochemistry 1	3
	BMS324 Clinical Microbiology 1	3	BMS325 Histopathology	3
	BMS327 Diagnostic Genomics	3	BMS326 Clinical Haematology 1	3
	Winter Units	**CP**	**Summer Units**	**CP**
	Total	12	**Total**	12
Year 4 - 2028	**Semester 1 Units**	**CP**	**Semester 2 Units**	**CP**
	BMS431 Laboratory Medicine Practice 1	6	BMS322 Clinical Immunology	3
	BMS432 Laboratory Medicine Practice 2	6	BMS423 Clinical Biochemistry 2	3
			BMS424 Clinical Microbiology 2	3
			BMS426 Clinical Haematology 2	3
	Winter Units	**CP**	**Summer Units**	**CP**
	Total	12	**Total**	12

TOTAL CREDIT POINTS 96

Major Prerequisite: 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.

Additional Academic Progress Requirements
In order to commence the fourth-year students must, a) have achieved a course weighted average of at least 65% over their second and third year units, and b) be approved for work integrated learning placement by the Academic Chair.

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 16/10/23.