

Sample Course Plan - Semester 1 2023
B1374 Bachelor Laboratory Medicine - 96 credit points
Specified Elective Stream: Biomedical Science

Academic Chair: Associate Professor Murray Adams | Email: M.Adams@murdoch.edu.au

Major Prerequisites: 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 should seek an exemption from their Academic Chair for [CHE140](#) Fundamentals of Chemistry. Students who have completed previous chemistry not stated above should also consult their Academic Chair for clarification of their enrolment requirements.

	Semester 1	Semester 2
Year 1	BSC100 Building Blocks for Science Students 3pts CHE140 Fundamentals of Chemistry 3pts BMS101 Introduction to the Human Body 3pts MAS183 Statistical Data Analysis 3pts <u>12pts</u>	MSP100 Career Learning: Managing Your Career 3pts BIO152 Cell Biology 3pts BMS107 Foundations of Vertebrate Form and Function 3pts CHE144 Foundations of Chemistry 3pts <u>12pts</u>
Year 2	BMS321 Histology 3pts BIO282 Molecular Biology 3pts BMS212 Medical Microbiology 3pts BMS206 Biomedical Physiology 3pts <u>12pts</u>	BMS218 Haematology 3pts BMS211 Medical Immunology 3pts BIO247 Biochemistry 3pts Choose an elective 3pts <u>12pts</u>
Year 3	BMS324 Clinical Microbiology 1 3pts BMS314 Pathological Basis of Disease 3pts BMS327 Diagnostic Genomics 3pts BMS317 Pharmacology 3pts <u>12pts</u>	BMS315 Advances in Medical Science 3pts BMS323 Clinical Biochemistry 1 3pts BMS325 Histopathology 3pts BMS326 Clinical Haematology 1 3pts <u>12pts</u>
Year 4	BMS431 Laboratory Medicine Practice 1 6pts BMS432 Laboratory Medicine Practice 2 6pts <u>12pts</u>	BMS322 Clinical Immunology 3pts BMS423 Clinical Biochemistry 2 3pts BMS424 Clinical Microbiology 2 3pts BMS426 Clinical Haematology 2 3pts <u>12pts</u>

Additional Academic Progress Requirements

To continue in the B1374 Bachelor of Laboratory Medicine, students must maintain a minimum GPA of 2.0 or course weighted average of 60. This will be reviewed following each semester after completing the first 24 points of study. Students failing to maintain a GPA > 2.0 or course weighted average of 60 will be transferred into B1380 Bachelor of Science. 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.

Disclaimer: This course plan is a sample only and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as per the online [Handbook](#). Students should note that due to unit prerequisites, commencing study in semester 2 may extend the duration of the course.

Sample Course Plan - Semester 1 2023
B1374 Bachelor Laboratory Medicine - 96 credit points
Specified Elective Stream: Forensic Biology & Toxicology

Academic Chair: Associate Professor Murray Adams | Email: M.Adams@murdoch.edu.au

Major Prerequisites: 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 should seek an exemption from their Academic Chair for CHE140 Fundamentals of Chemistry. Students who have completed previous chemistry not stated above should also consult their Academic Chair for clarification of their enrolment requirements.				
	Semester 1		Semester 2	
Year 1	BSC100 Building Blocks for Science Students	3pts	MSP100 Career Learning: Managing Your Career	3pts
	CHE140 Fundamentals of Chemistry	3pts	BIO152 Cell Biology	3pts
	BMS101 Introduction to the Human Body	3pts	BMS107 Foundations of Vertebrate Form and Function	3pts
	MAS183 Statistical Data Analysis	3pts	CHE144 Foundations of Chemistry	3pts
		<u>12pts</u>		<u>12pts</u>
Year 2	BMS321 Histology	3pts	BMS218 Haematology	3pts
	BIO282 Molecular Biology	3pts	BMS211 Medical Immunology	3pts
	BMS212 Medical Microbiology	3pts	BIO247 Biochemistry	3pts
	BMS213 Forensic Anatomy & Anthropology	3pts	Choose an elective	3pts
		<u>12pts</u>		<u>12pts</u>
Year 3	BMS324 Clinical Microbiology 1	3pts	BIO367 Forensic Toxicology	3pts
	BMS314 Pathological Basis of Disease	3pts	BMS323 Clinical Biochemistry 1	3pts
	BMS327 Diagnostic Genomics	3pts	BMS325 Histopathology	3pts
	BIO359 Forensic DNA Analysis	3pts	BMS326 Clinical Haematology 1	3pts
		<u>12pts</u>		<u>12pts</u>
Year 4	BMS431 Laboratory Medicine Practice 1	6pts	BMS322 Clinical Immunology	3pts
	BMS432 Laboratory Medicine Practice 2	6pts	BMS423 Clinical Biochemistry 2	3pts
		<u>12pts</u>	BMS424 Clinical Microbiology 2	3pts
			BMS426 Clinical Haematology 2	3pts
				<u>12pts</u>

Additional Academic Progress Requirements

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Sample Course Plan - Semester 1 2023
B1374 Bachelor Laboratory Medicine - 96 credit points
Specified Elective Stream: Genetics & Molecular Biology

Academic Chair: Associate Professor Murray Adams | Email: M.Adams@murdoch.edu.au

Major Prerequisites: 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 should seek an exemption from their Academic Chair for [CHE140](#) Fundamentals of Chemistry. Students who have completed previous chemistry not stated above should also consult their Academic Chair for clarification of their enrolment requirements.

	Semester 1	Semester 2
Year 1	BSC100 Building Blocks for Science Students 3pts CHE140 Fundamentals of Chemistry 3pts BMS101 Introduction to the Human Body 3pts MAS183 Statistical Data Analysis 3pts <u>12pts</u>	MSP100 Career Learning: Managing Your Career 3pts BIO152 Cell Biology 3pts BMS107 Foundations of Vertebrate Form and Function 3pts CHE144 Foundations of Chemistry 3pts <u>12pts</u>
Year 2	BMS321 Histology 3pts BIO282 Molecular Biology 3pts BMS212 Medical Microbiology 3pts BIO356 Genetics & Evolution 3pts <u>12pts</u>	BMS218 Haematology 3pts BMS211 Medical Immunology 3pts BIO247 Biochemistry 3pts Choose an elective 3pts <u>12pts</u>
Year 3	BMS324 Clinical Microbiology 1 3pts BMS314 Pathological Basis of Disease 3pts BMS327 Diagnostic Genomics 3pts BIO394 Genetic Engineering 3pts <u>12pts</u>	BIO390 Metabolic & Cellular Biochemistry 3pts BMS323 Clinical Biochemistry 1 3pts BMS325 Histopathology 3pts BMS326 Clinical Haematology 1 3pts <u>12pts</u>
Year 4	BMS431 Laboratory Medicine Practice 1 6pts BMS432 Laboratory Medicine Practice 2 6pts <u>12pts</u>	BMS322 Clinical Immunology 3pts BMS423 Clinical Biochemistry 2 3pts BMS424 Clinical Microbiology 2 3pts BMS426 Clinical Haematology 2 3pts <u>12pts</u>

Additional Academic Progress Requirements

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