

**Sample Course Plan - Semester 2, 2022 entry
B1380 Bachelor of Science (MMFS) - 72 credit points**

Major: Clinical Laboratory Science

Academic Chair: A/Prof 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 will be exempt from [CHE140](#) Fundamentals of Chemistry. Students who have completed previous chemistry not stated above should consult their Academic Chair for clarification of their enrolment requirements.

	Semester 1		Semester 2	
Year 1			BSC100 Building Blocks for Science	3pts
			CHE140 Fundamentals of Chemistry	3pts
			MAS183 Statistical Data Analysis	3pts
			General Elective	3pts
				<u>12pts</u>
Year 2	MSP100 Career Learning	3pts	BMS218 Haematology	3pts
	BMS101 Introduction to the Human Body	3pts	BMS211 Immunology & Molecular Genetics	3pts
	BIO152 Cell Biology	3pts	General Elective	3pts
	General Elective	3pts	General Elective	3pts
		<u>12pts</u>		<u>12pts</u>
Year 3	BMS212 Medical Microbiology	3pts	Murdoch Spine: Career Learning Unit	3pts
	BIO282 Molecular Biology	3pts	Specified Elective 1	3pts
	MSP200 Building Enterprise Skills	3pts	Specified Elective 2 or General Elective	3pts
	General Elective	3pts	General Elective	3pts
		<u>12pts</u>		<u>12pts</u>
Year 4	BMS321 Histology	3pts		
	BMS327 Diagnostic Genomics	3pts		
	Specified Elective 2 or General Elective	3pts		
	General Elective	3pts		
		<u>12pts</u>		

Specified Electives

Choose two from the following:

- BMS322 Clinical Immunology - 3pts
- BMS324 Clinical Microbiology - 3pts
- BMS326 Clinical Haematology - 3pts

Murdoch Spine: Career Learning Unit

Choose one from the following:

- MSP201 Real World Learning - 3 pts
- VLS302 Professional Placement in Veterinary and Life Sciences - 3 pts

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](#) . This course plan will vary depending on chosen additional majors/minors.

Recommended General Electives:

BIO309 Omics Technologies & Bioinformatics
BIO311 Interactive Data Analytics & Visualisation
BIO356 Genetics & Evolution
BIO378 Systems Biology
BIO390 Metabolic & Cellular Biochemistry
BIO394 Genetic Engineering
BMS316 Parasitology
BMS317 Pharmacology
MAS223 Applied Statistics
MAS224 Biostatistical Methods

