

**Sample Course Plan - Semester 2, 2021 entry
B1380 Bachelor of Science (MMFS) - 72 credit points**

Major: Biomedical Science

Academic Chair: A/Prof Wayne Greene | Email: W.Greene@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
			BMS107 Vertebrate Form & Function	3pts
				<u>12pts</u>
Year 2	MSP100 Career Learning	3pts	BIO247 Biochemistry	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	BMS206 Biomedical Physiology	3pts	BMS315 Advances in Medical Science	3pts
	Specified Elective 1	3pts	Specified Elective 2	3pts
	MSP200 Building Enterprise Skills	3pts	General Elective	3pts
	General Elective	3pts	General Elective	3pts
		<u>12pts</u>		<u>12pts</u>
Year 4	BMS314 Pathological Basis of Disease	3pts		
	BMS317 Human Pharmacology	3pts		
	General Elective	3pts		
	General Elective	3pts		
		<u>12pts</u>		

Specified Elective 1. Choose at least one of the following two units:

BMS212 Medical Microbiology (S1)

BMS316 Parasitology (S2)

Specified Elective 2. Choose one of the following two units:

MSP201 Real World Learning

VLS302 Professional Placement in Veterinary & Life Sciences

Recommended General Electives:

BIO282 Molecular Biology
BIO394 Genetic Engineering
BIO356 Genetics & Evolution
BIO390 Metabolic & Cellular Biochemistry
BIO378 Systems Biology
BMS321 Histology
BMS218 Haematology*

BMS213 Forensic Anatomy and Anthropology
BIO309 Omics Technologies & Bioinformatics
BIO311 Interactive Data Analytics & Visualisation
MAS224 Biostatistical Methods
FSN200 Principles of Nutrition
FSN202 Nutrition & Disease

*Subject to quota

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.

