Course Plan - Semester 2, 2022 entry

B1380 Bachelor of Science (MMFS) - 72 credit points

Major: Genetics and Molecular Biology

Academic Chair: Dr Ravi Tiwari | Email: R.Tiwari@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. The following course plan applies for students that are not granted an exemption for CHE140.

	Semester 1		Semester 2	
Year 1			MSP100 Career Learning	3pts
			CHE140 Fundamentals of Chemistry	3pts
			MAS183 Statistical Data Analysis	3pts
			BSC100 Building Blocks for Science	3pts
				12pts
Year 2	BIO152 Cell Biology	3pts	BIO247 Biochemistry	3pts
	BMS101 Introduction to the Human Body	3pts	MSP200 Career Learning	3pts
	CHE144 Foundations of Chemistry	3pts	Part II General Elective	3pts
	Part I General Elective	3pts	Part II General Elective	3pts
		12pts		12pts
Year 3	BIO282 Molecular Biology	3pts	BIO390 Metabolic & Cellular Biochemistry	3pts
	Specified Elective	3pts	BIO378 Systems Biology	3pts
	Part II General Elective	3pts	MSP201 Career Learning	3pts
	Part II General Elective	3pts	Part II General Elective	3pts
		12pts		12pts
Year 4	BIO394 Genetic Engineering	3pts		
	BIO356 Genetics and Evolution	3pts		
	Part II General Elective	3pts		
	Part II General Elective	3pts		
		12pts		

Specified Elective: Choose one of the following two units
BMS212 Medical Microbiology
BIO246 Microbiology

Recommended General Electives:	
BMS213 Forensic Anatomy and Anthropology	BIO309 Omics Technologies & Bioinformatics
BMS218 Haematology*	BIO311 Interactive Data Analytics & Visualisation
BMS321 Histology	BIO359 Forensic DNA Analysis
BMS327 Diagnostic Genomics*	MAS224 Biostatistical Methods
	*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. Students should note that due to unit prerequisites, commencing study in semester 2 may extend the duration of the course.