

**Sample Course Plan - Semester 1, 2022 entry  
B1380 Bachelor of Science (MMFS) - 72 credit points**

**Major: Genetics and Molecular Biology**

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**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.

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

**\*\* Double Major:** If second major is Forensic Biology and Toxicology, choose CHE103  
If second major is Biomedical Science, choose BSC100 in S1 and BMS107 in S2

**Specified Elective:** Choose one of the following two units

BMS212 Medical Microbiology

BIO246 Microbiology

**Recommended General Electives:**

BMS213 Forensic Anatomy and Anthropology

BMS218 Haematology\*

BMS321 Histology

BMS327 Diagnostic Genomics\*

BIO309 Omics Technologies & Bioinformatics  
BIO311 Interactive Data Analytics & Visualisation  
BIO359 Forensic DNA Analysis  
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.

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