

# B1380 Bachelor of Science (Major: Clinical Laboratory Science)

Academic Chair: A/Prof Murray Adams  
(m.adams@murdoch.edu.au)

Start Date: Semester 1, 2024

Year 1 – 2024	<b>Semester 1 Units</b>	<b>CP</b>	<b>Semester 2 Units</b>	<b>CP</b>
	BMS100 Transition into Biomedical Sciences	3	BIO152 Cell Biology	3
	BMS101 Introduction to the Human Body	3	MSP100 Career Learning	3
	MAS183 Statistical Data Analysis	3	Elective	3
	CHE140 Fundamentals of Chemistry	3	Elective	3
	<b>Winter Units</b>	<b>CP</b>	<b>Summer Units</b>	<b>CP</b>
	<b>Total</b>	<b>12</b>	<b>Total</b>	<b>12</b>
Year 2 - 2025	<b>Semester 1 Units</b>	<b>CP</b>	<b>Semester 2 Units</b>	<b>CP</b>
	BIO282 Molecular Biology	3	BMS211 Medical Immunology	3
	BMS212 Medical Microbiology	3	BMS218 Haematology	3
	Elective	3	Career Learning Unit <sup>#</sup>	3
	Elective	3	Elective	3
	<b>Winter Units</b>	<b>CP</b>	<b>Summer Units</b>	<b>CP</b>
	<b>Total</b>	<b>12</b>	<b>Total</b>	<b>12</b>
Year 3 - 2026	<b>Semester 1 Units</b>	<b>CP</b>	<b>Semester 2 Units</b>	<b>CP</b>
	BMS321 Histology	3	Career Learning Unit <sup>#</sup>	3
	BMS327 Diagnostic Genomics	3	Specified Elective	3
	Elective	3	Specified Elective	3
	Elective	3	Elective	3
	<b>Winter Units</b>	<b>CP</b>	<b>Summer Units</b>	<b>CP</b>
	<b>Total</b>	<b>12</b>	<b>Total</b>	<b>12</b>

**TOTAL CREDIT POINTS 72**

## #Career Learning Unit

Choose any two from the following:

- MSP200 Building Enterprise Skills
- MSP201 Real World Learning
- MSP202 Data Analytics and Storytelling in the 21<sup>st</sup> Century
- VLS302 Professional Placement in Veterinary and Life Sciences

## Specified Electives

Choose two from the following:

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

**Note:** To complete a second major within the B1380 Bachelor of Science, take the core units of that major in place of the indicated general electives.

## Major Prerequisite: 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 granted a preclusion from CHE140 Fundamentals of Chemistry (and will take another unit in its place). Students who have completed previous chemistry not stated above should consult their Academic Chair for clarification of their enrolment requirements.

Semester 1 notes	Semester 2 notes
<p>Recommended General Electives:</p> <ul style="list-style-type: none"><li>• BIO309 Omics Technologies &amp; Bioinformatics</li><li>• BIO356 Genetics &amp; Evolution</li><li>• BIO394 Genetic Engineering</li><li>• BMS317 Pharmacology</li><li>• MAS224 Biostatistics</li></ul>	<p>Recommended General Electives:</p> <ul style="list-style-type: none"><li>• BIO311 Interactive Data Analytics &amp; Visualisation</li><li>• BIO378 Systems Biology</li><li>• BIO390 Metabolic &amp; Cellular Biochemistry</li><li>• BMS316 Parasitology</li><li>• MAS223 Applied Statistics</li></ul>

**Please note:** This course plan is a sample only and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as outlined in the [Handbook](#). This information is correct as at 10/05/2023.