

# B1380 Bachelor of Science (MMFS) (Major: Biomedical Science)

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Start Date: Semester 2, 2023

| Year 1 – 2023 | Semester 1 Units                      | CP | Semester 2 Units                    | CP                                 |
|---------------|---------------------------------------|----|-------------------------------------|------------------------------------|
|               |                                       |    |                                     | BSC100 Building Blocks for Science |
|               |                                       |    | CHE140 Fundamentals of Chemistry    | 3                                  |
|               |                                       |    | MAS183 Statistical Data Analysis    | 3                                  |
|               |                                       |    | BMS107 Vertebrate Form and Function | 3                                  |
|               | <b>Total</b>                          |    | <b>Total</b>                        | 12                                 |
| Year 2 - 2024 | Semester 1 Units                      | CP | Semester 2 Units                    | CP                                 |
|               | MSP100 Career Learning                | 3  | BMS211 Medical Immunology           | 3                                  |
|               | BMS101 Introduction to the Human Body | 3  | BIO247 Biochemistry                 | 3                                  |
|               | BIO152 Cell Biology                   | 3  | Elective                            | 3                                  |
|               | Elective                              | 3  | Elective                            | 3                                  |
|               | <b>Total</b>                          | 12 | <b>Total</b>                        | 12                                 |
| Year 3 - 2025 | Semester 1 Units                      | CP | Semester 2 Units                    | CP                                 |
|               | BMS206 Biomedical Physiology          | 3  | BMS315 Advances in Medical Science  | 3                                  |
|               | BMS212 Medical Microbiology*          | 3  | Elective                            | 3                                  |
|               | Career Learning Unit <sup>#</sup>     | 3  | Elective                            | 3                                  |
|               | Elective                              | 3  | Elective                            | 3                                  |
|               | <b>Total</b>                          | 12 | <b>Total</b>                        | 12                                 |
| Year 4 - 2026 | Semester 1 Units                      | CP | Semester 2 Units                    | CP                                 |
|               | BMS314 Pathological Basis of Disease  | 3  |                                     |                                    |
|               | BMS317 Pharmacology                   | 3  |                                     |                                    |
|               | Career Learning Unit <sup>#</sup>     | 3  |                                     |                                    |
|               | Elective                              | 3  |                                     |                                    |
|               | <b>Total</b>                          | 12 | <b>Total</b>                        |                                    |

**TOTAL CREDIT POINTS 72**

\*And/Or:

- BMS316 Parasitology (S2)

**#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

**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.

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| Semester 1 notes  | Semester 2 notes   |
|---|--|
| <b>Recommended Electives:</b><br>BIO282 Molecular Biology<br>BIO394 Genetic Engineering<br>BIO356 Genetics and Evolution<br>BMS321 Histology<br>BMS213 Forensic Anatomy and Anthropology<br>MAS224 Biostatistical Methods<br>FSN200 Principles of Nutrition | <b>Recommended Electives:</b><br>BIO367 Forensic Toxicology<br>BIO390 Metabolic and Cellular Biochemistry<br>BIO378 Systems Biology<br>BMS218 Haematology<br>BMS316 Parasitology<br>BRD202 Drugs in Society<br>MAS223 Applied Statistics<br>FSN202 Nutrition and Disease |

**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.