

Sample Course Plan – Semester 1 2021 entry
B1317 Bachelor of Science (Biological Sciences) - 72 credit points
 Academic Chair: Dr Barbara Bowen, B.Bowen@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.

	Semester 1	Semester 2
Year 1	BSC100 Building Blocks for Science Students 3pts CHE140 Fundamentals of Chemistry 3pts BIO103 Environmental Biology 3pts Part I General Elective 3pts <u>12pts</u>	MSP100 Career Learning 3pts BIO152 Cell Biology 3pts CHE144 Foundations of Chemistry 3pts MAS183 Statistical Data Analysis 3pts <u>12pts</u>
Year 2	Part II Breadth unit (<i>see note below</i>) 3pts BIO245 Plant Evolution, Radiation and Adaptation 3pts Specified Elective (list below) 3pts Part II General Elective 3pts <u>12pts</u>	Research Skills unit (<i>see note below</i>) 3pts BIO244 Animal Diversity 3pts Specified Elective (list below) 3pts Part II General Elective 3pts <u>12pts</u>
Year 3	Part II Breadth unit (<i>see note below</i>) 3pts BIO356 Genetics and Evolution 3pts Part II General Elective 3pts Part II General Elective 3pts <u>12pts</u>	Research Skills unit (<i>see note below</i>) 3pts BIO379 Evolutionary Analysis 3pts Part II General Elective 3pts Part II General Elective 3pts <u>12pts</u>

Part II Year 2 – Specified Electives: Choose two of the following three units:

BIO246 Microbiology - 3 points
 MURDOCH: S1-internal

BIO247 Biochemistry - 3 points
 MURDOCH: S2-internal

ENV241 Ecology - 3 points
 MURDOCH: S2-internal, S2-external

Note: Part II Breadth and Research Skills Unit Requirements

Students require 6pts of Breadth units and 6pts of Research Skills units for Part II of their degree.
 Select from the prescribed lists of options below.

Please note: A unit cannot be used to satisfy both the Breadth or Research Skills Unit requirements and the requirements of a major or minor. Note that no more than 30 credit points at Part I may be credited towards course completion requirements.

Breadth Units List: Contact your Academic Chair to discuss options (Dr Barbara Bowen | Email: B.Bowen@murdoch.edu.au)

Research Skills Unit List – Biological Science Major

BIO282 Molecular Biology - 3 points
 MURDOCH: S1-internal

BIO377 Marine Ecology - 3 points
 MURDOCH: S1-internal

BIO388 Forensic Science and Miscarriages of Justice - 3 points
 MURDOCH: W-internal

BIO393 Tropical Marine Biology - 3 points
 MURDOCH: W-internal

BIO394 Genetic Engineering - 3 points
 MURDOCH: S1-internal

BMS316 Parasitology: People, Pets and Wildlife - 3 points
 MURDOCH: S2-internal

CHE207 Chemical Analysis - 3 points
 MURDOCH: S1-internal, S1-external

ENV303 GIS for Environmental Management & Planning - 3 pts
 MURDOCH: S2-internal, S2-external

MAS223 Applied Statistics - 3 points

MURDOCH: S2-internal, S2-external

MAS224 Biostatistical Methods - 3 points
 MURDOCH: S1-internal, S1-external

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 and your academic progression.

Students should note that due to unit prerequisites, commencing study in semester 2 may extend the duration of the course.