

Sample Course Plan - Semester 2020 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	3pts	BSC150 What is Science?	3pts
	Students	3pts	BIO152 Cell Biology	3pts
	CHE140 Fundamentals of Chemistry	3pts	CHE144 Foundations of Chemistry	3pts
	BIO103 Environmental Biology	3pts	MAS183 Statistical Data Analysis	3pts
	Part I General Elective	<u>12pts</u>		<u>12pts</u>
Year 2	Part II Breadth unit (<i>see note below</i>)	3pts	Research Skills unit (<i>see note below</i>)	3pts
	BIO245 Plant Evolution, Radiation and Adaptation	3pts	BIO244 Animal Speciation, Radiation, Evolution	3pts
	Specified Elective (list below)	3pts	Specified Elective (list below)	3pts
	Part II General Elective	3pts	Part II General Elective	3pts
		<u>12pts</u>		<u>12pts</u>
Year 3	Part II Breadth unit (<i>see note below</i>)	3pts	Research Skills unit (<i>see note below</i>)	3pts
	BIO356 Genetics and Evolution	3pts	BIO379 Evolutionary Analysis	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>

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. If taken at 100 level the unit(s) will be attributed to Part I. Note that no more than 30 credit points at Part I may be credited towards course completion requirements.

Breadth Units List:

Choose from list here: <http://handbook.murdoch.edu.au/units/?year=2020&discip=University+Breadth&sort=UnitCd>

Research Skills Unit List – Biological Science Major

[ENV303](#) GIS for Environmental Manag. and Planning - 3 points
MURDOCH: S2-internal, S2-external

[BMS316](#) Parasitology: People, Pets and Wildlife - 3 points
MURDOCH: S2-internal

[MAS223](#) Applied Statistics - 3 points
MURDOCH: S2-internal, S2-external

[MAS224](#) Biostatistical Methods - 3 points
MURDOCH: S1-internal, S1-external

[BIO282](#) Molecular Biology - 3 points
MURDOCH: S1-internal

[BIO394](#) Genetic Engineering - 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

[CHE207](#) Chemical Analysis - 3 points
MURDOCH: S1-internal, S1-external

[BIO393](#) Tropical Marine Biology - 3 points
MURDOCH: W-internal

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.