

**Sample Course Plan – Semester 2 2020 entry**  
**B1317 Bachelor of Science (Biological Sciences) - 72 credit points**

Academic Chair: Dr Barbara Bowen, [B.Bowen@murdoch.edu.au](mailto: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 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>		<a href="#">BSC100</a> Building Blocks for Science 3pts <a href="#">CHE140</a> Fundamentals of Chemistry 3pts <a href="#">MAS183</a> Statistical Data Analysis 3pts Part I General Elective 3pts <hr/> 12pts
<b>Year 2</b>	<a href="#">MSP100</a> Career Learning 3pts <a href="#">BIO103</a> Environmental Biology 3pts <a href="#">CHE144</a> Foundations of Chemistry 3pts <a href="#">BIO152</a> Cell Biology Part I General Elective 3pts <hr/> 12ps	Part II Breadth unit ( <i>see note below</i> ) 3pts <a href="#">BIO244</a> Animal Diversity 3pts Specified Elective (list below) 3pts Part II General Elective 3pts <hr/> 12pts
<b>Year 3</b>	Research Skills unit ( <i>see note below</i> ) 3pts <a href="#">BIO245</a> Plant Evolution, Radiation and Adaptation 3pts <a href="#">BIO356</a> Genetics and Evolution 3pts Part II General Elective 3pts <hr/> 12ps	Part II Breadth unit ( <i>see note below</i> ) 3pts <a href="#">BIO379</a> Evolutionary Analysis 3pts Part II General Elective 3pts Part II General Elective 3pts <hr/> 12pts
<b>Year 3</b>	Research Skills unit ( <i>see note below</i> ) 3pts Specified Elective (list below) 3pts Part II General Elective 3pts Part II General Elective 3pts <hr/> 12ps	

**Part II Year 2/3 – 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. *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 no more than 30 credit points at Part I may be credited towards course completion requirements.*

**Breadth Units List:** <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. Students should note that due to unit prerequisites, commencing study in semester 2 may extend the duration of the course.**

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