

**Sample Course Plan - Semester 1 2019 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)

<b>Major Prerequisites: Chemistry Background</b>							
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 <a href="#">CHE140</a> Fundamentals of Chemistry. Students who have completed previous chemistry not stated above should also consult their Academic Chair for clarification of their enrolment requirements.							
	<b>Semester 1</b>		<b>Semester 2</b>				
Year 1	<a href="#">BSC100</a> Building Blocks for Science Students	3pts	<a href="#">BSC150</a> What is Science?	3pts			
	<a href="#">CHE140</a> Fundamentals of Chemistry	3pts	<a href="#">BIO152</a> Cell Biology	3pts			
	<a href="#">BIO103</a> Environmental Biology	3pts	<a href="#">CHE144</a> Foundations of Chemistry	3pts			
	Option	3pts	<a href="#">MAS183</a> Statistical Data Analysis	3pts			
		<u>12pts</u>		<u>12pts</u>			
Year 2	Breadth unit ( <i>see note below</i> )	3pts	Research Skills unit ( <i>see note below</i> )	3pts			
	<a href="#">BIO245</a> Plant Evolution, Radiation and Adaptation	3pts	<a href="#">BIO244</a> Animal Speciation, Radiation, Evolution	3pts			
	Specified Elective (list below)	3pts	Specified Elective (list below)	3pts			
	Option	3pts	Option	3pts			
		<u>12pts</u>		<u>12pts</u>			
Year 3	Breadth unit ( <i>see note below</i> )	3pts	Research Skills unit ( <i>see note below</i> )	3pts			
	<a href="#">BIO356</a> Genetics and Evolution	3pts	<a href="#">BIO379</a> Evolutionary Analysis	3pts			
	Option	3pts	Option	3pts			
	Option	3pts	Option	3pts			
		<u>12pts</u>		<u>12pts</u>			
<p><b>Year 2 – Specified Electives</b> Choose <u>two</u> of the following three units:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"><a href="#">BIO246</a> Microbiology - 3 points MURDOCH: S1-internal</td> <td style="width: 33%;"><a href="#">BIO247</a> Biochemistry - 3 points MURDOCH: S2-internal</td> <td style="width: 33%;"><a href="#">ENV241</a> Ecology - 3 points MURDOCH: S2-internal, S2-external</td> </tr> </table>					<a href="#">BIO246</a> Microbiology - 3 points MURDOCH: S1-internal	<a href="#">BIO247</a> Biochemistry - 3 points MURDOCH: S2-internal	<a href="#">ENV241</a> Ecology - 3 points MURDOCH: S2-internal, S2-external
<a href="#">BIO246</a> Microbiology - 3 points MURDOCH: S1-internal	<a href="#">BIO247</a> Biochemistry - 3 points MURDOCH: S2-internal	<a href="#">ENV241</a> Ecology - 3 points MURDOCH: S2-internal, S2-external					
<p><b>Note: Breadth and Research Skills Unit Requirements</b>            Students require <u>6pts of Breadth units</u> and <u>6pts of Research Skills units</u> for Part II of their degree.            Select from the prescribed lists of options – below.  <i>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.</i></p>							
<p><b>Breadth Units List:</b>            Choose from list here: <a href="http://handbook.murdoch.edu.au/units/?year=2019&amp;discip=University+Breadth&amp;sort=UnitCd">http://handbook.murdoch.edu.au/units/?year=2019&amp;discip=University+Breadth&amp;sort=UnitCd</a></p>							
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>Research Skills Unit List – Biological Science Major</b></p> <p><a href="#">ENV303</a> GIS for Environmental Management and Planning - 3 points MURDOCH: S2-internal, S2-external</p> <p><a href="#">BMS316</a> Parasitology - 3 points MURDOCH: S2-internal</p> <p><a href="#">MAS223</a> Applied Statistics - 3 points MURDOCH: S2-internal, S2-external</p> <p><a href="#">MAS224</a> Biostatistical Methods - 3 points MURDOCH: S1-internal, S1-external</p> </td> <td style="width: 50%; vertical-align: top;"> <p><a href="#">BIO377</a> Marine Ecology - 3 points MURDOCH: S1-internal</p> <p><a href="#">BIO388</a> Forensic Science and Miscarriages of Justice - 3 points MURDOCH: W-internal</p> <p><a href="#">CHE207</a> Chemical Analysis - 3 points MURDOCH: S1-internal, S1-external</p> <p><a href="#">BIO393</a> Tropical Marine Biology - 3 points MURDOCH: W-internal (quota of 40 places)</p> <p><a href="#">BIO282</a> Molecular Biology - 3 points MURDOCH: S1-internal</p> <p><a href="#">BIO394</a> Genetic Engineering - 3 points MURDOCH: S1-internal</p> </td> </tr> </table>					<p><b>Research Skills Unit List – Biological Science Major</b></p> <p><a href="#">ENV303</a> GIS for Environmental Management and Planning - 3 points MURDOCH: S2-internal, S2-external</p> <p><a href="#">BMS316</a> Parasitology - 3 points MURDOCH: S2-internal</p> <p><a href="#">MAS223</a> Applied Statistics - 3 points MURDOCH: S2-internal, S2-external</p> <p><a href="#">MAS224</a> Biostatistical Methods - 3 points MURDOCH: S1-internal, S1-external</p>	<p><a href="#">BIO377</a> Marine Ecology - 3 points MURDOCH: S1-internal</p> <p><a href="#">BIO388</a> Forensic Science and Miscarriages of Justice - 3 points MURDOCH: W-internal</p> <p><a href="#">CHE207</a> Chemical Analysis - 3 points MURDOCH: S1-internal, S1-external</p> <p><a href="#">BIO393</a> Tropical Marine Biology - 3 points MURDOCH: W-internal (quota of 40 places)</p> <p><a href="#">BIO282</a> Molecular Biology - 3 points MURDOCH: S1-internal</p> <p><a href="#">BIO394</a> Genetic Engineering - 3 points MURDOCH: S1-internal</p>	
<p><b>Research Skills Unit List – Biological Science Major</b></p> <p><a href="#">ENV303</a> GIS for Environmental Management and Planning - 3 points MURDOCH: S2-internal, S2-external</p> <p><a href="#">BMS316</a> Parasitology - 3 points MURDOCH: S2-internal</p> <p><a href="#">MAS223</a> Applied Statistics - 3 points MURDOCH: S2-internal, S2-external</p> <p><a href="#">MAS224</a> Biostatistical Methods - 3 points MURDOCH: S1-internal, S1-external</p>	<p><a href="#">BIO377</a> Marine Ecology - 3 points MURDOCH: S1-internal</p> <p><a href="#">BIO388</a> Forensic Science and Miscarriages of Justice - 3 points MURDOCH: W-internal</p> <p><a href="#">CHE207</a> Chemical Analysis - 3 points MURDOCH: S1-internal, S1-external</p> <p><a href="#">BIO393</a> Tropical Marine Biology - 3 points MURDOCH: W-internal (quota of 40 places)</p> <p><a href="#">BIO282</a> Molecular Biology - 3 points MURDOCH: S1-internal</p> <p><a href="#">BIO394</a> Genetic Engineering - 3 points MURDOCH: S1-internal</p>						

**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.**