

**Sample Course Plan - Semester 1 2019 entry**  
**B1317 Bachelor of Science (Marine Science) - 72 credit points**

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**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.

- **Mathematics Background**

Students need to have completed one of the following within the past three years:

Mathematics Applications ATAR (or Mathematics 2C/2D) with a final scaled score of 55 percent or more, OR

[MAS164](#) Fundamentals of Mathematics - 3 points (MURDOCH: S1-internal, S1-external, S2-internal, S2-external)

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

	Semester 1		Semester 2	
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="#">CHE144</a> Foundations of Chemistry	3pts
	<a href="#">MAS183</a> Statistical Data Analysis	3pts	<a href="#">ENV102</a> Foundations of the Environment	3pts
	<a href="#">BIO180</a> Introduction to Marine Biology	3pts	Option	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="#">BIO254</a> Marine Botany	3pts	<a href="#">BIO244</a> Animal Diversity	3pts
	<a href="#">ENV242</a> Atmospheric Science	3pts	<a href="#">ENV244</a> Oceanography and Marine Pollution	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="#">BIO377</a> Marine Ecology	3pts	<a href="#">ENV333</a> Coastal and Marine Management	3pts
	Option	3pts	Option	3pts
	Option	3pts	Option	3pts
		<u>12pts</u>		<u>12pts</u>

**Note: 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=2019&discip=University+Breadth&sort=UnitCd>

**Research Skills Unit List: Marine Science Major**

[ENV303](#) GIS for Environmental Management and Planning - 3 points

MURDOCH: S2-internal, S2-external

[BIO246](#) Microbiology - 3 points

MURDOCH: S1-internal

[BMS316](#) Parasitology - 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

[ENV241](#) Ecology - 3 points

MURDOCH: S2-internal, S2-external

[BIO393](#) Tropical Marine Biology - 3 points

MURDOCH: W-internal (quota of 40 places)

**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.**