

Sample Course Plan - Semester 1 2021 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	BSC100 Building Blocks for Science Students 3pts	MSP100 Career Learning 3pts
	CHE140 Fundamentals of Chemistry 3pts	CHE144 Foundations of Chemistry 3pts
	MAS183 Statistical Data Analysis 3pts	ENV102 Foundations of the Environment 3pts
	BIO180 Introduction to Marine Biology 3pts	Part I General Elective 3pts
	<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
	BIO254 Marine Botany 3pts	BIO244 Animal Diversity 3pts
	ENV242 Atmospheric Science 3pts	ENV244 Oceanography and Marine Pollution 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
	BIO377 Marine Ecology 3pts	ENV333 Coastal and Marine Management 3pts
	Part II General Elective 3pts	Part II General Elective 3pts
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	<u>12pts</u>	<u>12pts</u>

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 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:

Consult with your Academic Chair for the most appropriate breadth unit selection

Research Skills Unit List: Marine Science Major

[ICT158](#) Introduction to Information Systems – 3 points

MURDOCH: S2-internal, S2-external

[ICT159](#) Foundations of Programming – 3 points

MURDOCH: S1-internal, S1-external

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

MURDOCH: S2-internal, S2-external

[BIO246](#) Microbiology - 3 points

MURDOCH: S1-internal

[BIO257](#) Australian Biodiversity – 3 points

MURDOCH: S2-internal

[BIO282](#) Molecular Biology – 3 points

[MAS224](#) Biostatistical Methods - 3 points

MURDOCH: S1-internal, S1-external

[MAS221](#) Mathematical Modelling - 3 points

MURDOCH: S2-internal, S2-external

[MAS351](#) Environmental and Biological Modelling- 3 points

MURDOCH: S1-internal, S1-external

[ENV241](#) Ecology - 3 points

MURDOCH: S2-internal, S2-external

[ENV328](#) Environmental Policy and Law – 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.

MURDOCH: S2-internal
[BIO309](#) Omics Technologies and Bioinformatics – 3 points
MURDOCH: S1-internal
[BIO311](#) Interactive Data Analysis and Visualisation – 3 points
MURDOCH: S2-internal
[MAS223](#) Applied Statistics - 3 points
MURDOCH: S2-internal, S2-external

[BIO393](#) Tropical Marine Biology - 3 points
MURDOCH: W-internal (quota of 40 places)
[COM103](#) Foundations of Communication – 3 points
MURDOCH: S2-internal, S2-external

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