

**Sample Course Plan - Semester 1 2023 entry**  
**B1399 Bachelor of Science (Environmental Science and Management) - 72 credit points**  
 Academic Chair: Dr Margaret Andrew, M.Andrew@murdoch.edu.au

**Major Prerequisites: Chemistry Background**

Students who achieved a final scaled score of 50 percent or more in WACE Chemistry 3A/3B or Chemistry ATAR within the past three years should seek an exemption 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 Students 3pts	MSP100 Career Learning (Spine) 3pts
	CHE140 Fundamentals of Chemistry 3pts	ENV102 Foundations of the Environment 3pts
	BIO103 Environmental Biology 3pts	*ENV Specified Elective or Part I General Elective 3pts
	*MAS164 or Part I General Elective 3pts	MAS183 Statistical Data Analysis 3pts
	<u>12pts</u>	<u>12pts</u>
Year 2	ENV246 Protected Area Management & Planning 3pts	MSP200 Building Enterprise Skills (Spine) 3pts
	*ENV Specified Elective 3pts	ENV241 Ecology 3pts
	*ENV Specified Elective or 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>
Year 3	ENV328 Environmental Policy and Law 3pts	MSP201 Real World Learning (Spine) 3pts
	*ENV Specified Elective or Part II General Elective 3pts	ENV331 Environmental Management 3pts
	Part II General Elective 3pts	ENV332 Managing Wetlands and Water 3pts
	Part II General Elective 3pts	*ENV Specified Elective or Part II General Elective 3pts
	<u>12pts</u>	<u>12pts</u>

**\*Note: Environmental Science and Management Specified Electives.** Students should select one specified elective group as a specialization and complete 9 points (3 units) from the list of units in that group.

**Specified elective group A – Environmental Science**

Select 3 units from this list if you choose to specialize in Environmental Science

CHE144 Foundations of Chemistry – 3 points  
 MURDOCH: S1-internal, S1-external, S2-internal, S2-external  
 ENV243 Water & Earth Science – 3 points  
 MURDOCH: S1-internal, S1-external  
 ENV242 Atmospheric & Climate Science – 3 points  
 MURDOCH: S1-internal, S1-external  
 ENV244 Oceanography & Marine Pollution – 3 points  
 MURDOCH: S2-internal

**Specified elective group B – Environmental Management & Sustainability**

Select 3 units from this list if you choose to specialize in Environmental Management & Sustainability

SUS100 Sustainable Development – 3 points  
 MURDOCH: S1-internal, S1-external, S2-internal, S2-external  
 ENV278 Nature-based Tourism – 3 points  
 MURDOCH: S1-internal, S1-external  
 ENV245 Global & Regional Sustainability – 3 points  
 MURDOCH: S1-internal, S1-external  
 ENV334 Environmental Restoration – 3 points  
 MURDOCH: S1-internal, S1-external  
 ENV303 Geographic Information Systems for Environmental Management & Planning – 3 points  
 MURDOCH: S2-internal, S2-external

Most Murdoch units are worth three credit points, with a total of 24 units making up the 72 points required to complete the degree. The BSc course is made up of the following components:

**Course Core** 15 Credit points

**Major** 24 Credit points total; the Environmental Science and Management major is made up of 15 Credit points of **Core** units to the major and 9 Credit points of **Specified Elective** units.

**Murdoch Spine** 9 Credit points. Units can be selected from those listed in the University Handbook published in the academic year the student intends to enrol in them.

**General Electives or Options** 24 Credit points. Part I General Electives can be selected from any 100 level unit; Part II General Electives can be selected from any 200-300 level units offered by the university, subject to unit

**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.

prerequisites. Students are advised to consider using General Elective points to meet the requirements of a second major, co-major or minor. ***Either*** 1 additional major, 1 co-major, ***or*** 1-2 minors can be added to a BSc.

\***MAS164** is not required for your course, but is strongly recommended as a General Elective in your first semester if you have not completed ATAR level maths (eg, Maths applications).