

# B1399 Bachelor of Science (Environmental Science and Management)

Academic Chair: [Dr Michael Hughes](#)

Start Date: Semester 2

Year 1	Semester 1 Units	CP	Semester 2 Units	CP
				ENV102 Foundations of the Environment
			CHE140 Fundamentals of Chemistry	3
			*ENV Specified Elective	3
			*MAS164 or Part I General Elective	3
			<b>Total</b>	<b>12</b>
Year 2	Semester 1 Units	CP	Semester 2 Units	CP
	MSP100 Career Learning (Spine)	3	MSP200 Building Enterprise Skills (Spine)	3
	MAS183 Statistical Data Analysis	3	ENV241 Ecology	3
	BIO103 Environmental Biology	3	Part II General Elective	3
	*ENV Specified Elective or Part I General Elective	3	Part II General Elective	3
	<b>Total</b>	<b>12</b>	<b>Total</b>	<b>12</b>
Year 3	Semester 1 Units	CP	Semester 2 Units	CP
	ENV246 Protected Area Management & Planning	3	MSP201 Real World Learning (Spine) or ECS302 Professional Placement in Environmental and Conservation Sciences	3
	*ENV Specified Elective	3	ENV331 Environmental Management	3
	*ENV Specified Elective or Part II General Elective	3	ENV332 Managing Wetlands and Water	3
	Part II General Elective	3	*ENV Specified Elective or Part II General Elective	3
	<b>Total</b>	<b>12</b>	<b>Total</b>	<b>12</b>
Year 4	Semester 1 Units	CP	Semester 2 Units	CP
	ENV328 Environmental Policy and Law	3		
	*ENV Specified Elective or Part II General Elective	3		
	Part II General Elective	3		
	Part II General Elective	3		
	<b>Total</b>	<b>12</b>		

**TOTAL CREDIT POINTS 72**

**\*Note: Environmental Science and Management Specified Electives.** Students should select one specified elective group as a specialization and complete 12 points (4 units) from the list of units in that group.

### Specified Elective Group A - Environmental Science

Select 4 units from this list to specialise in Environmental Science

- CHE144 Foundations of Chemistry (3 points)  
MURDOCH: S1-internal & external, S2-internal & external
- ENV243 Water & Earth Science (3 points)  
MURDOCH: S1-internal or external
- ENV242 Atmospheric & Climate Science (3 points)  
MURDOCH: S1-internal or external
- ENV244 Oceanography & Marine Pollution (3 points)  
MURDOCH: S2-internal
- ENG221 Pollution and its Control (3 points)  
MURDOCH: S2-internal
- ENV303 Geographic Information Systems for Environmental Management & Planning (3 points)  
MURDOCH: S2-internal or external

### Specified Elective Group B - Environmental Management & Sustainability

Select 4 units from this list to specialise in Environmental Management & Sustainability

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

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The BSc course is made up of the following components:

**Course Core** 15 Credit points

**Major** 24 Credit points; the Environmental Science and Management major includes 15 Credit points of **Core** units to the major and 12 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** 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 prerequisites. Students may consider using General Electives 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.

**Please note:** This course plan is a sample only and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as outlined in the [Handbook](#). Students should note that due to unit prerequisites, commencing study in Semester 2 may extend the duration of the course. This information is correct as at 13/10/2023.