

Bachelor of Science (Environmental & Conservation Sciences) (Environmental Science & Management major)

Academic Chair: [Michael Hughes](#)

Start Date: Semester 1 2026

Year 1 – 2026	Semester 1 Units	CP	Semester 2 Units	CP
	*CHE140 Fundamentals of Chemistry	3	ENV102 Foundations of the Environment	3
	BIO103 Environmental Biology	3	MAS183 Statistical Data Analysis	3
	**ESM Specified Elective <i>or</i> ^Discovery Unit	3	^Discovery Unit <i>or</i> Part I General Elective	3
	§MAS164 <i>or</i> Part I General Elective	3	**ESM Specified Elective <i>or</i> Part I General Elective	3
	Winter Units		Summer Units	
	Total	12	Total	12
Year 2 - 2027	Semester 1 Units	CP	Semester 2 Units	CP
	ENV246 Protected Area Management & Planning	3	ENV241 Ecology	3
	**ESM Specified Elective	3	ENV328 Environmental Policy and Law	3
	**ESM Specified Elective <i>or</i> Part II General Elective	3	**ESM Specified Elective	3
	Part II General Elective	3	Part II General Elective	3
	Winter Units	CP	Summer Units	CP
	Total	12	Total	12
Year 3 – 2028	Semester 1 Units	CP	Semester 2 Units	CP
	#ECS302 Professional Placement in Environmental and Conservation Sciences <i>or</i> Part II General Elective	3	ENV331 Environmental Management	3
	**ESM Specified Elective <i>or</i> Part II General Elective	3	ENV332 Managing Wetlands and Water	3
	Part II General Elective	3	Part II General Elective	3
	Part II General Elective	3	**ESM Specified Elective <i>or</i> Part II General Elective	3
	Winter Units	CP	Summer Units	CP
	Total	12	Total	12

TOTAL CREDIT POINTS 72

Environmental Science and Management major notes:

*CHE140 is only required if weak or no high school (3A/3B) Chemistry. It is available in both S1 and S2.

§ MAS164 is not required but is recommended as a General Elective in your first semester if you have not completed ATAR level maths.

^Discovery unit – you need to complete one discovery unit. We recommend you do this in your first year, see the Murdoch University handbook for a list of discovery units available for Environmental and Conservation Sciences students.

ECS302 is optional and not a self-enrolled unit – contact the unit coordinator.

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

§§ PHL211 is offered every second year, the next offering is in 2027, S2

ESM Specified Elective Group A	ESM Specified Elective Group B
<p><i>Select 4 units to specialise in Environmental Science</i></p> <ul style="list-style-type: none"> CHE144 Foundations of Chemistry (3 cp) S1 or S2 ECS200 Research Methods in Ecology (3 cp) S1 ENG221 Pollution and its Control (3 cp) S2 ENV242 Atmospheric & Climate Science (3 cp) S1 ENV243 Water & Earth Science (3 cp) S1 ENV244 Oceanography & Marine Pollution (3 cp) S2 ENV303 Geographic Information Systems for Environmental Management & Planning (3 cp) S2 	<p><i>Select 4 units to specialise in Environmental Management & Sustainability</i></p> <ul style="list-style-type: none"> ECS200 Research Methods in Ecology (3 cp) S1 ENV245 Global & Regional Sustainability (3 cp) S1 ENV278 Recreation Ecology and Nature-based Tourism (3 cp) S1 ENV303 Geographic Information Systems for Environmental Management & Planning (3 cp) S2 ENV334 Environmental Restoration (3 cp) S1 §§PHL211 Environmental Justice (3 cp) S2 SUS100 Sustainable Development (3 cp) S1 or S2 SUS305 Economics of Sustainability (3 cp) S2

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 04/11/2024.