

H1287 Bachelor of Engineering Honours (Environmental Engineering)

For first year and advanced standing enquiries:

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Start

Semester 1 2026

Date:

Academic Chairs:

For second, third and fourth year enquiries:

Dr Linda Li (L.Li@murdoch.edu.au)

Year 1 – 2026	Semester 1 Units	CP	Semester 2 Units	CP
	MAS164 Fundamentals of Mathematics	3	MAS182 Introductory Calculus with Applications	3
	ENG101 Engineering Fundamentals	3	ENG102 Engineering Design for Sustainability	3
	PEN120 General Physics	3	ENG103 Principles of Engineering	3
	ENG109 Engineering Computing Systems	3	ENV102 Foundations of the Environment	3
	Total	12	Total	12
Year 2 – 2027	Semester 1 Units	CP	Semester 2 Units	CP
	MAS161 Calculus and Matrix Algebra	3	Discovery Study Unit	3
	CHE140 Fundamentals of Chemistry	3	ENG216 Dynamic Systems and Control	3
	ENG215 Systems Engineering	3	ENG221 Pollution and Its Control	3
	Major Specified Elective or Specified Elective	3	Specified Elective or Major Specified Elective	3
	Total	12	Total	12
Year 3 – 2028	Semester 1 Units	CP	Semester 2 Units	CP
	MAS220 Mathematical Methods and Multivariable Calculus	3	ENG300 Environmental Technology for Sustainability	3
	ENG341 Water Conservation and Auditing	3	ENG336 Engineering Finance, Management and Law	3
	ENG570 Circular Economy and Innovation	3	Specified Elective	3
	Specified Elective	3	Specified Elective	3
	Total	12	Total	12
Year 4 – 2029	Semester 1 Units	CP	Semester 2 Units	CP
	ENG571 Hydrology and Water Cycle Management	3	Specified Elective	3
	ENG573 Integrated Waste Management for Resource Recovery	3	ENG572 Design of Water Treatment Unit Operations	3
	ENG470 Engineering Honours Thesis (Y)	6	ENG470 Engineering Honours Thesis (Y)	6
	ENG100 Engineering Professional Practice (Y)	0	ENG100 Engineering Professional Practice (Y)	0
	Total	12	Total	12

TOTAL CREDIT POINTS 96

*Please note that students can only have up to 10 x 100-level units towards their 96 cps.

Notes

Students should check the Enrolment Rules for MAS164 in the Handbook. Students who are ineligible to enrol should consult their Academic Chair.

For PEN120, students who have achieved a final scaled score of 60% or more in ATAR Physics or WACE Physics 3A/3B may not enrol in this unit and should consult their Academic Chair.

The **Major Specified Elective unit** must be selected from: ENV243 Water and Earth Science (S1); ENV242 Atmospheric and Climate Science (S1); ENV331 Environmental Management (S2); ENV303 GIS for Environmental Management and Planning (S2).

Discovery Study Units and Specified Electives (200-level and above units only) are available at <https://handbook.murdoch.edu.au/courses/15/H1287>.

Students enrolling in ENG470 (Y) need to pay the full unit fee (12 cps) at the commencement of the teaching period.

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ENG100 Engineering Professional Practice (0 cpts): Bachelor of Engineering Honours students should complete 450 hours of approved work experience to complete the requirements of the course.

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 18/11/25.