

Bachelor of Engineering Technology B1408 (Environmental Engineering)

Academic Chair: Dr Linda Li (l.li@murdoch.edu.au)

Start Date: Semester 2 2025

Year 1 – 2025			Semester 2 Units	CP
			MAS164 Fundamentals of Mathematics	3
			ENG101 Engineering Fundamentals	3
			ENG102 Engineering Design for Sustainability	3
			ENV102 Foundations of the Environment	3
		Total	12	
Year 2 – 2026	Semester 1 Units	CP	Semester 2 Units	CP
	MAS182 Introductory Calculus with Applications	3	ENG103 Principles of Engineering	3
	ENG109 Engineering Computing Systems	3	ENG221 Pollution and Its Control	3
	PEN120 General Physics	3	Specified Elective or Major Specified Elective	3
	CHE140 Fundamentals of Chemistry	3	MAS161 Calculus and Matrix Algebra	3
Total	12	Total	12	
Year 3 - 2027	Semester 1 Units	CP	Semester 2 Units	CP
	MAS220 Mathematical Methods and Multivariable Calculus	3	ENG216 Dynamic Systems and Control	3
	Major Specified Elective or Specified Elective	3	ENG300 Environmental Technology for Sustainability	3
	ENG215 Systems Engineering	3	Specified Elective	3
	ENG341 Water Conservation and Auditing	3	ENG336 Engineering Finance, Management and Law	3
Total	12	Total	12	
Year 4 - 2028	Semester 1 Units	CP	Semester 2 Units	CP
	Specified Elective	3		
	Specified Elective	3		
	ENG360 Engineering Design Project (S1)	6		
	ENG100 Engineering Professional Practice (S1)	0		
Total	12	Total		

TOTAL CREDIT POINTS 72*

*Please note that students can only have up to 10 x 100-level units towards their 72 cps.

Semester 2 notes
For MAS164, Students who have achieved a final scaled score of 55% or more in ATAR Mathematics Specialist, WACE Mathematics Specialist 3C/3D or TEE Calculus may not enrol in this unit and 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).
Specified Elective Units are selected from the list of Engineering Specified Electives (200 – 500 level) in the handbook.
Spine - ENG100 Engineering Professional Practice (0 CP); Bachelor of Engineering Technology students should complete 300 hours of approved work experience to complete the requirements of the course.

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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 15/03/23.