

Bachelor of Engineering Technology B1408 (Environmental Engineering)

Academic Chair: Assoc Prof Martin Anda (m.anda@murdoch.edu.au)

Start Date:

Semester 1 2024

Year 1 – 2024	Semester 1 Units	CP	Semester 2 Units	CP
		MAS164 Fundamentals of Mathematics	3	MAS182 Applied Mathematics
	ENG101 Engineering Fundamentals	3	ENG102 Engineering Design for Sustainability	3
	ENG103 Principles of Engineering	3	PEN120 General Physics	3
	CHE140 Fundamentals of Chemistry	3	ENV102 Foundations of the Environment	3
	Total	12	Total	12
Year 2 - 2025	Semester 1 Units	CP	Semester 2 Units	CP
	(Engineering Elective)	3	(Engineering Elective)	3
	MAS161 Calculus and Matrix Algebra	3	(Engineering Elective)	3
	ENG215 Systems Engineering	3	ENG216 Dynamic Systems and Control	3
	ENV243 Water and Earth Science	3	ENG221 Pollution and Its Control	3
	Total	12	Total	12
Year 3 – 2026	Semester 1 Units	CP	Semester 2 Units	CP
	(Engineering Elective)	3	ENG300 Environmental Technology for Sustainability	3
	MAS220 Mathematical Methods	3	BUS368 Cultures of Innovation	3
	ENG341 Water Conservation and Auditing	3	ENG336 Finance, Ethics and Law	3
	ENG360 Y1 Engineering Design Project	3	ENG360 Y2 Engineering Design Project	3
	Total	12	Total	12

TOTAL CREDIT POINTS *72

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

Semester 1 notes	Semester 2 notes
<p>1. 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.</p> <p>2. 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.</p>	<p>1. 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.</p> <p>2. The elective units could be selected from: KAC102 Wandju Boodja (Welcome to Country); PEN152 Principles of Physics; ICT158 Introduction to Information Systems; MAS183 Statistical Data Analysis; ENV242 Atmospheric and Climate Science; ENV331 Environmental Management</p>

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 23/11/23.