

# Bachelor of Engineering Technology B1408 (Environmental Engineering)

Academic Chair: [M.Anda@murdoch.edu.au](mailto:M.Anda@murdoch.edu.au)

Start Date: Semester 2 2023

Year	Semester 1 Units		Semester 2 Units	
		CP		CP
Year 1 – 2023			MAS164 Fundamentals of Mathematics <sup>1</sup>	3
			ENG102 Engineering Design for Sustainability	3
			PEN120 General Physics <sup>2</sup>	3
			ENG101 Engineering Fundamentals	3
			<b>Total</b>	<b>12</b>
Year 2 - 2024				
	MAS182 Applied Mathematics	3	MAS161 Calculus and Matrix Algebra	3
	ENG103 Principles of Engineering	3	CHE140 Fundamentals of Chemistry	3
	ENG109 Engineering Computing Systems	3	ENV102 Foundations of the Environment	3
	Engineering Elective	3	ENG221 Pollution and Its Control	3
	<b>Total</b>	<b>12</b>	<b>Total</b>	<b>12</b>
Year 3 – 2025				
	MAS220 Mathematical Methods	3	ENG300 Environmental Technology for Sustainability	3
	ENG215 Systems Engineering	3	BUS368 Cultures of Innovation	3
	ENG216 Dynamic Systems and Control	3	ENG336 Finance, Ethics and Law	3
	ENV243 Water and Earth Science	3	ENG360 Engineering Design Project	3
	<b>Total</b>	<b>12</b>	<b>Total</b>	<b>12</b>
Year 4 - 2026				
	ENG341 Water Conservation and Auditing	3		6
	ENG360 Engineering Design Project	3		6
	Specified Elective	3		
	Specified Elective	3		
	<b>Total</b>	<b>12</b>	<b>Total</b>	<b>12</b>

**TOTAL CREDIT POINTS 72**

<sup>1</sup> 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.

<sup>2</sup> 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.

## Elective Units

KAC102 - Wandju Boodja (Welcome to Country)  
CHE144 - Foundations of Chemistry  
PEN152 - Principles of Physics  
ICT158 - Introduction to Information Systems  
MAS183 - Statistical Data Analysis  
ENV242 - Atmospheric and Climate Science  
ENV303 - GIS for Environmental Management and Planning  
BRD306 – Transitions to Post Carbon Society  
ENG340 - Environmental Water Chemistry,  
ENV331 - Environmental Management  
GRD503 – Design Thinking Tools or GRD508 - Innovation Development  
PEN504 - Greenhouse Gas Reporting and Life Cycle Assessment

Spine - ENG100 Engineering Professional Practice (0 CP)

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 28/05/23.