B1408 Bachelor of Engineering Technology (Environmental Engineering)

Academic Chair: For 1st year & Advanced Standing enquiries: Sheikh Izzal Azid
For 2nd, and 3rd year enquiries: Linda Li

Start Date: Semester 2 2026

Major in Environmental Engineering

	Semester 1 Units	CP	Semester 2 Units	CP
Year 1 – 2026			**MAS164** Fundamentals of Mathematics[1]	3
			ENG101 Engineering Fundamentals	3
			ENG102 Engineering Design for Sustainability	3
			ENV102 Foundations of the Environment	3
			Total	12
Year 2 - 2027	**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[2]	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 - 2028	**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 - 2029	**Semester 1 Units**	**CP**	**Semester 2 Units**	**CP**
	Discovery Study Unit (see here for options)[3]	3		
	Specified Elective	3		
	ENG360 Engineering Design Project (S1)[4]	6		
	ENG100 Engineering Professional Practice (S1)	0		
	Total	12		

TOTAL CREDIT POINTS 72

[1] Check the Enrolment Rules for MAS164 in the Handbook. If you are ineligible to enrol, you should consult the Academic Chair.

[2] Check the Enrolment Rules for PEN120 in the Handbook. If you are ineligible to enrol, you should consult the Academic Chair.

[3] Complete 1 x 200-level Discovery Study Unit.

[4] Note that enrolling in ENG360 requires that the full unit fee (6 CP) be paid at the beginning of the teaching period.

Major Specified Elective	
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	
ENG344 Electromechanical Energy Conversion (S1) **ENG208** Fundamentals of DC Circuits (S1) **ENG251** PLC Systems (S1) **ENG391** Process Control (S1) **ENG392** SCADA and Instrumentation Systems (S1)	**ENG231** Renewable Energy Systems (S2) **ENG209** Fundamentals of AC Circuits (S2) **ENG252** Embedded Systems (S2) **ENG381** Electrical Power Systems (S2) **ENG382** Power Electronics (S2) **BUS368** Cultures of Innovation (S2)
Notes: 1. A maximum of 10 x 100-level units is completed as a part of the course. 2. Only 1 x **Major Specified Elective** is completed as a part of the course. 3. Review the corequisites and prerequisites of specified elective units carefully. 4. Any other elective units are subject to approval from the Academic Chair.	
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.	

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 06/06/2026.