

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

Start Date: Semester 1 2026

Option: Engineering Design

Year 1 – 2026	Semester 1 Units	CP	Semester 2 Units	CP
	ENG526 Postgraduate Engineering Skills and Tools	3	ENG543 Modelling and Systems Engineering	3
	ENG500 Finance, Management, Ethics and Law	3	ENG544 Engineering Sustainability	3
	ENG571 Hydrology and Water Cycle Management	3	ICT515 Foundations of Data Science	3
	ENG570 Circular Economy and Innovation	3	ENG572 Design of Water Treatment Unit Operations	3
	Total	12	Total	12
Year 2 – 2027	Semester 1 Units	CP	Semester 2 Units	CP
	ENG573 Integrated Waste Management for Resource Recovery	3	ENG622 Industrial Ecology (Symbiosis)	3
	ENG621 Land Use Planning and Green Infrastructure	3	ENG630 Hydrogen Systems	3
	Specified Elective (S1)	3	ENG605 Design Project (S2)	6
	GRD503 Design Thinking Tools	3	ENG100 Engineering Professional Practice (S2)	0
	Total	12	Total	12

TOTAL CREDIT POINTS 48

Specified Electives

Recommended Specified Electives:

ENG526 Postgraduate Engineering Skills and Tools S1
 ENV554 Sustainable Land and Water Management S1
 ENV556 Principles of Environmental Impact Assessment S1
 ENV557 Advanced Environmental Management S1
 PEN594 Energy Auditing and Management S1
 PEN504 Greenhouse Gas Reporting and Life Cycle Assessment S2
 ENG553 Industrial Process Control S1
 ENG552 Industrial Control Systems S1
 SIK502 Wandju Boodja (Welcome to Country) S1, S2

Or any other elective subject to Academic Chair approval

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.

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Start Date: Semester 1 2026

Option: Engineering Research

Students who wish to enrol in the Thesis Project must demonstrate an average 70% or greater WAM equivalent (2.8 GPA equivalent) during their first 24 cpts of study in the Master of Engineering Practice course, or alternatively can enrol with permission from the Academic Chair.

Year 1 – 2026	Semester 1 Units	CP	Semester 2 Units	CP
	ENG500 Finance, Management, Ethics and Law	3	ENG543 Modelling and Systems Engineering	3
	ENG570 Circular Economy and Innovation	3	ENG544 Engineering Sustainability	3
	ENG571 Hydrology and Water Cycle Management	3	ENG572 Design of Water Treatment Unit Operations	3
	ENG526 Postgraduate Engineering Skills and Tools (Specified Elective)	3	ICT515 Foundations of Data Science	3
	Total	12	Total	12
Year 2 - 2027	Semester 1 Units	CP	Semester 2 Units	CP
	ENG621 Land Use Planning and Green Infrastructure	3	ENG622 Industrial Ecology (Symbiosis)	3
	ENG573 Integrated Waste Management for Resource Recovery	3	ENG630 Hydrogen Systems	3
	ENG606 Thesis Project (Y)	6	ENG606 Thesis Project (Y)	6
	ENG100 Engineering Professional Practice (Y)	0	ENG100 Engineering Professional Practice (Y)	0
	Total	12	Total	12
TOTAL CREDIT POINTS				48

Students enrolling in ENG606 (Y) need to pay the full unit fee (12 cpts) at the commencement of the teaching period.

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