

Academic Chair: [Amir Yazdani](#)

Start Date: Semester 2 2026

Option: Engineering Design Minor

Year 1 – 2026	Semester 1 Units		CP	Semester 2 Units		CP
				ENG526 Postgraduate Engineering Skills and Tools		3
				ENG543 Modelling and Systems Engineering		3
				ENG544 Engineering Sustainability		3
				ICT515 Foundations of Data Science		3
		Total			Total	12
Year 2 – 2027	Semester 1 Units		CP	Semester 2 Units		CP
	ENG500 Finance, Management, Ethics and Law		3	ENG605 Design Project (H option) ¹		3
	ENG551 Microcontrollers and Data Communication		3	ENG100 Engineering Professional Practice (H)		0
	ENG552 Industrial Control Systems		3	ENG611 Intelligent Systems		3
	ENG553 Industrial Process Control		3	ENG612 Autonomous Systems		3
				GRD503 Design Thinking Tools		3
	Total	12		Total	12	
Year 3 – 2028	Semester 1 Units		CP	Semester 2 Units		CP
	ENG605 Design Project (H option)		3			
	ENG100 Engineering Professional Practice (H)		0			
	ENG613 Applied Robotics (Robotic Manipulation)		3			
	ICT606 Machine Learning		3			
	Specified Elective		3			
	Total	12		Total		

TOTAL CREDIT POINTS 48

Specified Electives

ENG532 Renewable Energy Resources and Technologies (S1)

ENG536 Electrical Machines in the Smart Grid era (S2)

ENG570 Circular Economy and Innovation (S1)

ENG630 Hydrogen Systems (S2)

SIK502 Wandju Boodja (Welcome to Country) (S1, S2)

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 01/05/26.

¹ Note that enrolling in ENG605 requires that the full unit fee (6 CP) be paid at the beginning of the teaching period.

Option: Engineering Research Minor

Year 1 – 2026	Semester 1 Units	CP	Semester 2 Units	CP
			ENG526 Postgraduate Engineering Skills and Tools	3
			ENG543 Modelling and Systems Engineering	3
			ENG544 Engineering Sustainability	3
			ICT515 Foundations of Data Science	3
	Total		Total	12
Year 2 – 2027	Semester 1 Units	CP	Semester 2 Units	CP
	ENG500 Finance, Management, Ethics and Law	3	ENG606 Thesis Project (H option) ²	6
	ENG551 Microcontrollers and Data Communication	3	ENG100 Engineering Professional Practice (H)	0
	ENG552 Industrial Control Systems	3	ENG611 Intelligent Systems	3
	ENG553 Industrial Process Control	3	ENG612 Autonomous Systems	3
	Total	12	Total	12
Year 3 – 2028	Semester 1 Units	CP	Semester 2 Units	CP
	ENG606 Thesis Project (H option)	6		
	ENG100 Engineering Professional Practice (H)	0		
	ENG613 Applied Robotics (Robotic Manipulation)	3		
	ICT606 Machine Learning	3		
	Total	12	Total	

TOTAL CREDIT POINTS 48
Enrolment Rules

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.

² Note that enrolling in ENG606 requires that the full unit fee (12 CP) be paid at the beginning of the teaching period.