

Academic Chair: [Travis Woodward](#)

Start Date: Semester 1 2026

**Option: Engineering Design Minor**

Year 1 – 2026	Semester 1 Units	CP	Semester 2 Units	CP
	ENG500 Finance, Management, Ethics and Law	3	ENG543 Modelling and Systems Engineering	3
	ENG526 Postgraduate Engineering Skills and Tools	3	ENG544 Engineering Sustainability	3
	ENG551 Microcontrollers and Data Communication	3	ICT515 Foundations of Data Science	3
	ENG552 Industrial Control Systems	3	Specified Elective or GRD503 Design Thinking Tools	3
	<b>Total</b>	12	<b>Total</b>	12
Year 2 – 2027	Semester 1 Units	CP	Semester 2 Units	CP
	ENG553 Industrial Process Control	3	ENG605 Design Project (S2 option) <sup>1</sup>	6
	ENG613 Applied Robotics (Robotic Manipulation)	3	ENG100 Engineering Professional Practice (S2)	0
	ICT606 Machine Learning	3	ENG611 Intelligent Systems	3
	GRD503 Design Thinking Tools or Specified Elective	3	ENG612 Autonomous Systems	3
	<b>Total</b>	12	<b>Total</b>	12

**TOTAL CREDIT POINTS 48**
**Option: Engineering Research Minor**

Students who wish to complete the **Engineering Research Minor** (second year) should initially enrol in the **Engineering Design Minor** and must demonstrate an average 70% or greater WAM equivalent (2.8 GPA equivalent) during their first 24 cpts of study in the course, or alternatively can enrol with permission from the Academic Chair.

Regardless, students wishing to complete this minor will need to consult with the Academic Chair before enrolling.

**Specified Electives**

**ENG532** Renewable Energy Resources and Technologies (S1)

**ENG536** Electrical Machines in the Smart Grid era (S1)

**ENG570** Circular Economy and Innovation (S1)

**ENG630** Hydrogen Systems (S2)

**PEN504** Greenhouse Gas Reporting and Life Cycle Assessment (S2)

**PEN594** Energy Auditing and Management (S1)

**PEN600** Energy Storage (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 14/11/25.

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