

# MASTER OF ENGINEERING TECHNOLOGY

## (Renewable Energy & Electrical Power Systems)



### Course Details

CRICOS CODE:	0100637
INTAKE:	March, July, November
DURATION:	2 years
ANNUAL FEE 2021:	AUD 29,200

### Program outline

The course covers key areas of electrical circuits, signals and systems, energy conversion, power electronics, power systems, electrical power distribution and protection system, control systems and renewable energy. It also links to areas covering sensors, artificial perception, and Internet of Things (IoT) in smart energy systems. You will also undertake an independent piece of research in the last year of your course.

There is a strong focus on research and project-based learning, where you will be able to apply the concepts learned into application and use.

### Career opportunities

- Electrical engineer
- Renewable energy engineer
- Grid management engineer
- Power systems engineering

### Entry Requirements

#### English:

Academic IELTS with an overall band score of 6.0, with no band less than 6.0, or equivalent.

#### Academic:

Successful completion of a recognised 3 or 4 year Engineering bachelor degree in the relevant specialisation (major field) with credit average, awarded by an Australian university, or a recognised overseas equivalent.

### Sample Structure

Sample structures are just one example of the many options available within your chosen course. Please contact ATMC for further information on available options.

Please note this is a sample structure only and is not to be used for enrolment purposes. To enrol, please refer to the information provided to you by ATMC for your individual program structure.

Year 1	<b>Semester 1</b>	ENGIN3101 Power Electronics ENGIN3102 Power System Analysis ENGIN3403 Sensors & Artificial Perception ENGIN5205 Engineering Project Management Theory
	<b>Semester 2</b>	ENGIN2103 Principles of Renewable Energy Sources ENGIN5001 Research & Quantitative Methods ENGIN5101 IOT in Smart Energy Systems ENGIN5405 Advanced Control Systems Engineering
	<b>Semester 3</b>	ENGIN4101 Electrical Power Distribution Engineering ENGIN5002 Advanced Engineering Project 1 ENGIN5102 Micro-grid & Energy Storage Systems
Year 2	<b>Semester 4</b>	ENGIN4102 Power Electronic Application to Renewable Energy Systems ENGIN5003 Advanced Engineering Project 2 ENGIN5103 Electrical Demand Forecast & Management

### Location

Offered online (Later Mt. Helen campus) - Students will commence this program online offshore and once borders will open they will resume their studies at the Federation University Mt. Helen campus

### Scholarships

For 2021 Federation University will be offering the following Scholarships:

- **Global Innovator Scholarship (20% Tuition Fee Discount)**
- **Global Excellence Scholarship (25% Tuition Fee Discount)**

**NOTE:** Please contact ATMC staff to know more about these scholarships available

**APPLY NOW** for March 2021 session

**Contact us:** [info@atmc.edu.au](mailto:info@atmc.edu.au)