



# Graduate Certificate Community Energy and Microgrid

## Overview

This program is designed to address complex problems across community energy and microgrid disciplines and equip you with the knowledge and skills to progress your career in the energy sector. Learn from leading academics and researchers as well as national and international practitioners about the complex nature of renewable energy sources, energy storage, community microgrids, emerging technologies, and energy project management.

Our online delivery mode offers flexibility to suit your lifestyle, allowing you to get ahead in your professional and personal life.

## Highlights

- Learn from leaders in energy research who share your desire for a more sustainable and clean energy future.
- Gain the critical knowledge and in-demand skills to stand out in energy fields.
- Enjoy the flexibility of online and project based learning.
- Benefit from the state of the art industry level power and energy engineering software facilities at Federation.

## How you'll learn:

You will complete this program through online study. Your learning experiences are designed to best suit the learning outcomes of the courses you choose.

- Lectures
- Tutorials
- Seminars/guest lectures
- Project based learning

This program requires the completion of 60 credit points. The four core subjects are available in the Master of Engineering Technology (Renewable Energy and Electrical Power Systems) and the Bachelor of Mechatronic Systems Engineering (Honours).

Upon completion you may be eligible for entry to the Master of Engineering Technology (Renewable Energy and Electrical Power Systems).

## Career Path

Postgraduate study can take you anywhere. Career outcomes include, but are not limited to:

- Sustainable Energy Engineer
- Energy Project Manager
- Energy and Sustainability Professional
- Independent Power and Energy System Consultant
- Power and Energy System Engineer
- Renewable System Design Engineer
- Energy Analyst
- Sustainability Officer
- Clean Energy Policy Officer
- Sustainability Engagement Officer

The average salary for an entry level Electrical/Energy Engineer is \$75, 660, and for the more experienced, it could vary from \$76,000 - \$130,000 (source: payscale.com).

## Fees

Please visit [federation.edu.au/fees](https://www.federation.edu.au/fees) to obtain further information regarding Indicative Program Fees.

For further information regarding Commonwealth Supported Places and HECS-HELP please visit [www.goingtouni.gov.au](https://www.goingtouni.gov.au)

## Entry requirements

- Recognised three year degree in science, engineering or equivalent in a relevant specialisation with credit average, awarded by an Australian university, or a recognised overseas equivalent; and/or
- Recognised diploma in science, engineering or equivalent in a relevant specialisation with credit average, awarded by an Australian university; or a recognised overseas equivalent, with appropriate level of relevant industry experience.

Relevant fields include but are not limited to engineering, science, environmental management, economics, public policy, international development, and energy.

Applicants need to meet other entry requirements set by Federation University\*.

**This program is available from Semester 2 2020.**

## Application information

All applicants are also required to submit a certified copy of their qualification (including a full transcript/statement of attainment).

**Program delivery location:** Online

**Program duration:** 6 months full-time (or part-time equivalent)

## Sample course plan

GRADUATE CERTIFICATE COMMUNITY ENERGY AND MICROGRID			
YEAR 1	SEMESTER 1	ENGIN 2103	Principles of Renewable Energy Sources
		ENGIN 2402	Measurement and Computer Instrumentation
		ENGIN 5102	Micorgrid and Energy Storage Systems
		ENGIN 5205	Engineering Project Management Theory

\*English language requirements for international applicants, domestic applicants with overseas equivalent qualification.

[Federation.edu.au](https://www.federation.edu.au)

1800 333 864 (1800 FED UNI)

[ask.federation.edu.au](mailto:ask.federation.edu.au)

International phone: +61 3 5327 9018

[info@federation.edu.au](mailto:info@federation.edu.au)

#feduni      /feduniaustralia

Disclaimer: Information contained in this brochure was correct at the time of printing (June 2020). Federation University Australia reserves the right to alter any course, procedure or fee, as deemed necessary. Prospective students should confirm course information by visiting [Federation.edu.au](https://www.federation.edu.au) and [vtac.edu.au](https://www.vtac.edu.au) or by contacting the University directly. The information contained in this brochure is specifically for domestic students – international students should contact International education on +61 3 5327 9018. Produced by Federation University Australia, Marketing & Communications. Federation University Australia programs are delivered with Victorian and Commonwealth Government funding to eligible applicants. CRICOS Provider No. 00103D. National RTO Code: 4909.