

ASSOCIATE DEGREE OF APPLIED ENGINEERING RENEWABLE ENERGY TECHNOLOGIES

COURSE CODE: HE20502

COURSE DURATION

Two years full-time or part-time equivalent

COURSE DELIVERY LOCATIONS

- Newcastle
- Ultimo

WHAT ARE THE ENTRY REQUIREMENTS?

- NSW HSC or equivalent with HSC level Maths with a Band 5 result or higher OR Tertiary Preparation Certificate OR completion of a Certificate IV qualification or higher.
- If you do not have this level of mathematics you may be required to undertake a bridging program or preparatory mathematics course.

HOW MUCH DOES IT COST?

Domestic students:

\$1,600 per 10 credit point subject
\$25,600 indicative full course fee
A FEE-HELP loan is available for eligible students - 'Study now, pay later!'

Renewable energy is changing the world. Have you considered a career in this fast-growing industry?

The Associate Degree of Applied Engineering (Renewable Energy Technologies) will provide you with the knowledge and skills to work in the renewable energy technologies sector.

In this two-year program, you will study processes of conversion and storage of energy, then specialise in the infrastructure and activities involved in electrical or mechanical engineering.

Students will gain practical experience by taking part in real-life work placements, arranged by TAFE, to enhance your experience in a professional environment.

The course is developed in collaboration with industry to address the need for skilled para-professionals, and you can use the program as a pathway into Year 3 of a Bachelor Degree in Renewable Energy Technologies at the University of Newcastle.

Graduates of the course will have the practical skills and knowledge to work as a para-professional in renewable energy, government, corporate, environmental and small business enterprises.

HOW DO I COMPLETE THE COURSE?

The Associate Degree of Applied Engineering (Renewable Energy Technologies) requires you to complete 16 subjects and a total of 160 credit points. You will choose electives from either an electrical engineering or a mechanical engineering specialisation.

More information is available at: tafensw.edu.au/degrees

"TAFE ALLOWS
YOU TO MAKE INTEGRAL
INDUSTRY CONTACTS."



TAFE^{NSW}

DEGREES

HEP PRV12049 | CRICOS 00591E

VISIT US ON



tafensw.edu.au/degrees Phone 131 601

HOW IS THE COURSE STRUCTURED?

The structure below is the typical study pattern for a full time student. In Semesters 2, 3 and 4, students must select subjects from EITHER the electrical engineering specialisation OR the mechanical and civil engineering specialisation. Availability of electives and study pattern is determined by the campus. All subjects are worth 10 credit points (CP).

YEAR 1 - LEVEL 100: FOUNDATION ENGINEERING

SEMESTER 1: Complete all subjects

ENEGY101A	Foundation studies in renewable energy and sustainability (10 CP)
ENEMP101A	Introductory engineering maths and physics (10 CP)
ENMAT101A	Engineering materials and processes (10 CP)
ENMCC101A	Foundation mechanical and civil engineering principles (10 CP)

SEMESTER 2: Complete all subjects

ENELE101A	Principles of electrical engineering 1 (10 CP)
ENEMP102A	Foundation engineering maths and physics (10 CP)
ENPRA101A	Engineering Practices (10 CP)

Plus one elective

YEAR 2 - LEVEL 200: ENGINEERING DEVELOPMENT

SEMESTER 1: Complete all subjects

AEEGY201A	Energy storage systems (10 CP)
ENEMP201A	Intermediate engineering maths and physics (10 CP)

Plus two electives

SEMESTER 2: Complete all subjects

AEEGY203A	Wind energy conversion systems (10 CP)
ENEMP202A	Advanced engineering maths and physics (10 CP)
ENMGT201A	Engineering management (10 CP)

Plus one elective

ELECTIVES: You must complete all subjects in one stream

ELECTRICAL ENGINEERING STREAM

AEEGY101A	Grid connected photovoltaic power systems (10 CP)
ENELE201A	Advanced electrical engineering (10 CP)
ENELE202A	Principles of electrical machines (10 CP)
ENELE203A	Electronics and power control (10 CP)

MECHANICAL & CIVIL ENGINEERING STREAM

AEEGY102A	Solar and thermal energy systems (10 CP)
AEEGY202A	Renewable energy resource analysis (10 CP)
ENMCC201A	Advanced mechanical and civil engineering principles (10 CP)
AEEGY204A	Energy system efficiency (10 CP)

TERMS AND CONDITIONS

This document is intended as a general guide only. Information in this document is current as of July 2019. Prospective students should contact TAFE NSW for more information, and to confirm admission requirements and availability of courses. Note that tuition fees are reviewed annually and are subject to change. For current fee information: tafensw.edu.au/courses/tafe-nsw-degrees/applying-and-fees
Fees payable by the students are the tuition fees valid for that semester, and not the tuition fees that were in place the first time the students enrolled. Additional fees may be payable for equipment and resources.

HOW DO I APPLY AND ENROL?

For information about applying and enrolling go to:

tafensw.edu.au/courses/tafe-nsw-degrees/applying-and-fees

The application form provides details about the information you need to submit.

WHAT IS FEE-HELP?

FEE-HELP is an Australian government student loan scheme. More information about FEE-HELP including eligibility criteria is available at:

studyassist.gov.au/sites/studyassist/help-paying-my-fees/feehelp

CAN I BE RECOGNISED FOR PREVIOUS STUDIES AND EXPERIENCE?

If you have completed studies in a related field or have extensive industry experience which is relevant, you may be eligible for exemption from similar subjects. All applications for exemption must be made to the course coordinator and include supporting documents. You should attend classes until you are formally advised that your application for exemption has been granted.

CAN I ENROL IF I AM AN INTERNATIONAL STUDENT?

International students can enrol in most TAFE NSW degree courses, subject to meeting course entry requirements and satisfying student visa conditions.

More information for international students is available at:

studyintafe.edu.au/study/tafe-studyoptions/degrecourses