



COURSE CODE

UEE62211

COURSE

Advanced Diploma of Electrical - Engineering

ENROL TODAY

TAFENSW.EDU.AU or 131 601

WHY CHOOSE TAFE NSW?



Opens career doors. Our industry relationships lead many students directly into work with a range of employers including agencies, studios, galleries and fashion houses.



Global prospects. TAFE NSW graduates possess the technical knowledge, creative-thinking and specialised skills that are highly sought after by employers around the world.



State-of-the-art facilities. Purpose-built creative studios and industry standard software mean you will master the same tools of the trade as leading professionals.



Industry exposure. TAFE NSW partners with industry to provide you with hands-on experience through networking, sponsor programs, competitions, talks, lectures and other creative industry events.



Recognised and respected. TAFE NSW has built its reputation on delivering trusted, industry aligned and nationally recognised training for over 130 years.

Advanced Diploma of Electrical - Engineering

National Course Code: UEE62211 | TAFE NSW Code: UEE62211-01V04-19NEW-234

Qualification Level	Advanced Diploma
Study Type	Blended
Course Start Date	Enquire Now
Hours Per Week	8
Duration	30 Weeks
Delivery Locations	Newcastle
Course Fees	<p>Subsidised Prices First Qualification: \$7,620.00 Second Qualification: \$8,570.00 Traineeship: \$1,000.00 You may be eligible for the NSW Smart & Skilled Fee Free Traineeship which will be verified at enrolment.</p>
Course Features	<p>Nationally Recognised Training Traineeship Allowed This training is subsidised by the NSW Government VET Student Loans Available</p>

Course Description

If you are working as a licenced electrician and want to take your knowledge and experience to the next level, enrol in the Advanced Diploma of Electrical - Engineering. In this nationally recognised qualification, you will learn:

- To provide engineering solutions to problems in complex polyphase power circuits
- To design, validate and evaluate electrical equipment and systems
- To manage risk, estimate and manage projects and provide technical advice and sales
- Design practices, supervision and management of resources in engineering

TAFE NSW industry trained teachers will ensure you graduate with relevant knowledge and skills to achieve your career goals. Talk to us today about the study options available to you.

Entry Requirements

When you study with TAFE NSW, we want you to succeed. Entry requirements allow us to make sure that you have the right pre-existing knowledge and skills to achieve your chosen qualification. You will need to provide evidence that you meet the requirements listed in this section

There are no entry requirements for this qualification.

However, the Electrotechnology Training Package recommends typical language, literacy and numeracy skill levels needed to successfully complete each Competency Standard Unit undertaken within this

qualification.

Learners should either be in relevant employment or have access to appropriate simulated workplace environments to achieve the completion requirements of this course.

Information Sessions and more about the course

It's all happening at TAFE NSW InfoFest. [Register](#) for an information session to broaden your skills set to get ahead. Can't find an Information Session for you? [Enquire Online](#) or call 131601

There are prerequisites for entry into this course.

Students need to:

Be a licenced Electrician (hold an Electrical Supervisors Certificate or Contractors Licence Electrical - Qualified), OR are currently undertaking an Apprenticeship as an Electrician studying a Certificate III in Electrotechnology Electrician qualification (UEE30811)

AND

Have completed a Certificate IV in Industrial Electronics and Control (UEE40911), OR are currently undertaking a Certificate IV in Industrial Electronics and Control (UEE40911) and will be successfully finished prior to commencement of this course.

A message for young people under 17 years of age-If you are under 17 years and wish to enrol you will need to have completed Year 10 or have special permission from school and TAFE to do so.

We offer student services and study support to ensure you can achieve your goals. Learn about TAFE NSW [Student Services](#)

As a TAFE NSW student in this course, you will have access to:

- LinkedIn Learning (formerly Lynda.com)
- Studiosity - online access to a real life tutor
- Easy computing online short courses
- Access to local TAFE libraries

Attendance

This course is currently scheduled to run with 3 different face-to-face attendance patterns: 2 nights per week (4hrs each night), or 1 day per week (8hrs), or 1 afternoon/night per week, 1.00pm to 9.30pm.

Fee Details

SMART AND SKILLED FEES

This course is government-subsidised, meaning you pay a portion of the full course fee to TAFE NSW and the NSW Government will pay the balance. However, you must meet certain eligibility criteria for this to apply.

Depending on your previous qualifications and experience, your fee may be less than the maximum fee quoted. Your actual fee and eligibility for concession/exemption will be calculated and confirmed during the enrolment process.

For further information about eligibility and explanations of the different fee categories, visit [Are You](#)

[Eligible?](#)

PAYMENT OPTIONS AND ASSISTANCE

This course is approved for a Commonwealth VET Student Loan (VSL). If you meet the VSL eligibility and academic suitability requirements, you are able to apply to the Commonwealth for a loan to cover all or part of your course fee. We will ask you whether you would like to apply for a VET Student Loan when you enrol and advise you of the process.

A range of criteria apply for course fees and to access government subsidised training.

Remember, TAFE NSW provides a range of easy and flexible payment options for students or a nominated third party (If a nominated third party is covering the cost of your fees, a letter of authority or purchase order will be required).

Use the Calculate Your Fee button for your indicative course fee and to check if you qualify for government subsidised training, including an exemption.

Students can pay their fee upfront, pay off their student fees in instalments or take out a VET Student Loan. This study now, pay later option is a student loan scheme funded by the Commonwealth Government.

When your enrolment is complete, and you have paid the applicable fees, you will be entitled to attend class, participate in training, sit for examinations, receive educational awards, use amenities and services and receive an active TAFEcard (which provides access to library resources).

In addition to your course fee, there may be some additional charges to cover the costs of undertaking this training.

Costs associated with work experience and field trips such as food, transport and accommodation are at the students own expense.

Find out more about [VET Student Loans](#)

Direct payment by Unit of Study instalments is available for this course.

The Units of Study and associated fees for this course are detailed above. Fees are charged on the census day for each Unit of Study. To secure a loan for part or all of your course, you must be eligible and submit a valid application to the Commonwealth for a VET Student Loan. You may withdraw prior to the census date without incurring a fee.

READ BEFORE YOU ENROL

Learn about TAFE NSW [Fees](#)

Learn about TAFE NSW [Payment/Funding](#)

RECOGNITION

Recognition is a process of acknowledging previously completed qualifications, skills, knowledge or experience relevant to your course. This may reduce the amount of learning required, reduce your course fees and allow you to achieve your qualification faster.

Learn about Recognition at TAFE NSW [Recognition](#)

How to Enrol

Semester one starts early February 2020. Enquire now to be notified when enrolments open.

To find out more information on this course including the next start date, submit an online enquiry by clicking the **Enquire Now** button on this page, or call 131 601 during business hours* to chat with a member of our friendly customer service team.

*Our customer service team are available from Monday to Friday, 9am to 5pm AEST.

Enrolling with us is easy, though the exact process does depend on your course and any prerequisites

that go with it.

Be sure to read your chosen course information carefully to make sure it is the right qualification, location and study type for you.

Enrol and pay online via our secure payment gateway to secure your place.

As you progress through the enrolment process you will be prompted to provide additional information.

If you are interested in studying as a Trainee or Apprentice please call 131 601 for full details.

Units

UEENEEK132A-UNGRADED	Develop strategies to address environmental and sustainability issues in the energy sector
UEENEEG149A-UNGRADED	Provide engineering solutions to problems in complex polyphase power circuits
UEENEEG169A-UNGRADED	Manage large electrical projects
UEENEEG170A-UNGRADED	Plan large electrical projects
UEENEEE071B	Write specifications for electrical engineering projects
UEENEEE080A	Apply industry and community standards to engineering activities
UEENEEI04A	Use engineering applications software on personal computers
UEENEEE006B	Apply methods to maintain currency of industry developments
UEENEEE011C	Manage risk in electrotechnology activities
UEENEEE015B	Develop design briefs for electrotechnology projects
UEENEEE081A-UNGRADED	Apply material science to solving electrotechnology engineering problems
UEENEEE082A-UNGRADED	Apply physics to solving electrotechnology engineering problems
UEENEEE125A-UNGRADED	Provide engineering solutions for problems in complex multiple path circuits
UEENEEE126A-UNGRADED	Provide solutions to basic engineering computational problems
UEENEEG107A	Select wiring systems and cables for low voltage general electrical installations
UEENEEG108A	Trouble-shoot and repair faults in low voltage electrical apparatus and circuits
UEENEEG109A	Develop and connect electrical control circuits
UEENEEG105A	Verify compliance and functionality of low voltage general electrical installations
UEENEEG106A	Terminate cables, cords and accessories for low voltage circuits
UEENEEG101A	Solve problems in electromagnetic devices and related circuits
UEENEEG102A	Solve problems in low voltage a.c. circuits
UEENEEG103A	Install low voltage wiring and accessories
UEENEEG104A	Install appliances, switchgear and associated accessories for low voltage electrical installations
UEENEEG006A	Solve problems in single and three phase low voltage machines

UEENEEG033A	Solve problems in single and three phase low voltage electrical apparatus and circuits
UEENEEG063A	Arrange circuits, control and protection for general electrical installations
UEENEEE117A	Implement and monitor energy sector OHS policies and procedures
UEENEEE124A	Compile and produce an energy sector detailed report
UEENEEE137A	Document and apply measures to control OHS risks associated with electrotechnology work
UEENEEE083A	Establish and follow a competency development plan in an electrotechnology engineering discipline
UEENEEE101A	Apply Occupational Health and Safety regulations, codes and practices in the workplace
UEENEEE102A	Fabricate, assemble and dismantle utilities industry components
UEENEEE104A	Solve problems in d.c. circuits
UEENEEE105A	Fix and secure electrotechnology equipment
UEENEEE107A	Use drawings, diagrams, schedules, standards, codes and specifications
UEENEEG128A	Plan low voltage switchboard and control panel layouts
UEENEEI150A	Develop, enter and verify discrete control programs for programmable controllers
UEENEEI151A	Develop, enter and verify word and analogue control programs for programmable logic controllers
UEENEEI156A	Develop and test code for microcontroller devices
UEENEEG145A	Develop engineering solutions for induction machine and control problems
UEENEEE129A-UNGRADED	Solve electrotechnical engineering problems
UEENEEG130A	Design switchboards rated for high fault levels (greater than 400 A)
UEENEEE127A	Use advanced computational processes to provide solutions to energy sector engineering problems
UEENEEI154A	Design and use advanced programming tools PC networks and HMI Interfacing

Career Opportunities

Technical officer, engineering officer, engineering technologist.