Open College
of technical trades and languages

TAFE NSW
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INSTITUTE

UEE22011

Certificate II in Electrotechnology (Career Start)

Opening Opportunities

At Open Colleges, we are passionate about helping people from all walks of life to achieve their aspirations and dreams. For more than 100 years, we have been opening opportunities for people across Australia. Today, Open Colleges is blazing a new trail in online education – creating Australia's leader in next generation learning.

Why study with Open Colleges?

- Freedom – study where you want, when you want
- Our courses and learning materials have been designed specifically for online learning
- Our trainers and assessors are industry professionals with experience in supporting online students
- Our dedicated student support team is there to help you every step of the way
- Our virtual campus – OpenSpace – provides you with opportunities to interact with trainers and assessors, and students
- Many of our courses are nationally recognised and meet professional licensing or registration requirements.

North Coast TAFE and Open Colleges

In a first of its kind innovation, Open Colleges has now proudly partnered with one of the largest training providers in Australia, North Coast TAFE. Part of the TAFE NSW network, North Coast TAFE provides thousands of students with government accredited and nationally recognised training programs every year.

Open Colleges students can now gain TAFE qualifications delivered via our innovative virtual campus OpenSpace, giving you the benefit of accessing a secure, interactive learning environment which supports you in all elements of your study. Combine nationally recognised TAFE credentials with all the flexibility and accessibility of learning through Open Colleges and study anytime, anywhere in Australia.

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Certificate II in Electrotechnology (Career Start)

The Certificate II in Electrotechnology (Career Start) is designed to give you the skills to work safely with electricity, as well as a basic understanding of the electrical trade.

If you're looking to move onto further study, this accredited qualification offers credit towards the Certificate III in Electrotechnology Electrician.

The knowledge and skills you gain throughout this course will ensure that you have the confidence and ability to start applying for apprenticeships in the electrical trade.

You'll produce a work diary that demonstrates the skills you learn throughout the course which can be presented to potential employers or used in apprenticeship applications.

The Certificate II in Electrotechnology (Career Start) is the ideal place to start if you are thinking of taking on an apprenticeship on your way to becoming a licensed Electrician.

COURSE DETAILS

Course Number	E1219
Delivery mode	Online
Course duration	Maximum 12 months
Assessments	Knowledge tests, projects, case studies, demonstrations/ presentations
Qualification level	Certificate II
Nationally Recognised	Yes
Awarded by	North Coast TAFE (Provider number: 90010)

NATIONALLY RECOGNISED TRAINING

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What you need to know about this course

COURSE NUMBER E1219

What will you learn?

The course gives you a great overview of the industry. You will learn a variety of skills which will give you an idea of what you really enjoy doing, and what type of apprenticeship you should pursue. During your studies you will learn:

> What to expect in a work situation. All the modules of this course are structured to reflect what would be expected of you in a real life work setting.

> How to carry out routine work in an energy sector environment.

> Problem solving with DC circuits, and how to provide solutions for routine electrotechnology problems.

> Identification and selection of the correct components, accessories and materials for a job.

> How to deliver a service to customers and maintain documentation.

Why study this course with Open Colleges?

> Fictional characters and simulated scenarios are used throughout the course content to help you get a full understanding of real life work situations that apprentices deal with every day.

> The Certificate II grants you access to the learning tool **Trade Hub**. Perfect for people who do not have much experience with mathematics or English, Trade Hub will help you to understand the key concepts in construction (area, volume, percentages, fractions, ratios, instructions, manuals and safety documents).

> The course is delivered online, so there are no deadlines and no classrooms to attend. You study where you want, when you want.

How is the course delivered?

This is an **online course.** This means that you will complete your knowledge and skills development through online learning.

What is online learning?

OpenSpace is Open Colleges' online campus. Through OpenSpace you will:

> Access your learning materials and assessments

> Undertake and upload assessments

> Engage with your trainer

> Have the opportunity to find a 'study buddy'

> Access your assessment grades and feedback

> Access the student support team.

What learning materials are included with this course?

Your learning materials are accessed through OpenSpace. These include:

> Online discussions

> Access to a professional technical library

> 50-in-1 Electronics Playground (Learn by Doing ™): A kit that will allow you to build electronic circuits

> Cat III multimeter with temperature, which includes data hold, relative measurement, a woven nylon pouch with room for the meter and included leads

> Maxisafe safety glasses Visispec Clear

> 3AG In-Line Fuse Holder

> 500mA 3AG Quick Blow Fuse

> Scientific calculator, allowing you to solve more advanced maths calculations

> My Skills demo - a guide for you in developing a 'library' or portfolio of evidence of your own skills development

> Video suite

> Simulated procedures and policies.

How is the course assessed?

During the course, you will undertake:

> Knowledge tests
> Projects
> Case studies
> Demonstrations/presentations

For more information on this type of assessment, see the Student Handbook, available on the Open Colleges website.

What about Recognition of Prior Learning (RPL)?

We understand that you may already have relevant skills and areas of expertise that you have obtained in different ways and these are recognised through our Recognition of Prior Learning (RPL) process.

Open Colleges has developed an RPL Kit for this course. The Student Handbook, available on the Open Colleges website, provides more information about our RPL process. Alternatively, you can contact an Enrolment Consultant to discuss your RPL options.

What is the duration of the course?

The maximum duration for the course is **12 months**. You would require a minimum commitment of 12 hours of study per week to complete the course within 12 months. The time taken to complete your course will depend on your level of skill and knowledge.

What are the entry requirements for the course?

Education entry requirements

There are no formal pre-requisites to enrol in this course.

Minimum age requirements

You will need to be at least 16 years old. If you are under 18 your application form will need to be signed by a parent or guardian.

English language requirements

This course requires you to read learning content, undertake a range of written assessments and engage in online discussions. Furthermore, the delivery mode relies on the extensive use of written communication. As such, entry to the course requires the successful completion of English to Year 10 level.

If you have not successfully completed English at Year 10 level, you can demonstrate equivalency with one of the following:

> Successful completion of a Nationally Recognised Training qualification at Certificate I level or higher; OR
> 2 years relevant industry experience in a role that requires the use of written documentation and communication.

Open Colleges recognises that not all people are able to read, write and perform calculations to the same standard. To help give you an idea of the language, literacy and numeracy skills required to study this course, you can undertake the online Language, Literacy and Numeracy tool available on the **Open Colleges website.** This assessment tool can also help you determine your learning level and plan your future studies.

Computing requirements

Hardware and software requirements:

All users:

> Microsoft Office 2010 or equivalent
> Broadband internet connection
> 2GB of RAM
> CD-ROM or DVD drive
> Adobe Reader XI or equivalent
> Printer and associated software
> Scanner and associated software
> File compression software
> Digital audio or video recording capability
> Adobe Flash Player 10 or higher
> Telephone
> Calculator
> Photocopier (this could be a feature of printer/scanner)

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For Windows 32-bit:
> 32-bit Intel® Pentium® 4 or AMD Athlon™ Dual Core, 3.0 GHz or higher with SSE2 technology.

For Windows 64-bit:
> AMD Athlon 64 with SSE2 technology
> AMD Opteron™ with SSE2 technology
> Intel® Xeon® with Intel EM64T support with SSE2 technology
> Intel Pentium 4 with Intel EM64T support with SSE2 technology
> Microsoft Office 2007 or equivalent
> Broadband Internet Connection
> Minimum 8GB
> HDD- 10GB (min) available hard disc space for installation; additional free space is required during installation.
> Windows display adapter capable of 1024x768 with True Color capabilities (DirectX® 9 or DirectX 11 compliant card recommended but not required)
> DVD – CD-Rom Drive
> 1280 x 800 resolution display (1280 x 1024 recommended) with 16 – bit colour and 512 MB of V RAM.

Windows users:
> Microsoft Windows 7, 8 or higher (Windows 10 recommended)
> 1 Ghz or faster processer (2GHz recommended).

Mac OS users:
> Mac OSX v10.5 or higher (Mac OSX v10.6 recommended)
> 1 Ghz or faster processer (2GHz recommended).

Audio-visual requirements:
You will need access to:
> Software to view online videos and images. Software such as Adobe Reader, Windows Media Player, Windows Photo Viewer etc. are available as a free download from the internet.

> A digital camera, and related software, for taking photos for assessments, projects and documenting the construction stages and processes.

Skill requirements

To successfully complete this course, you will require basic computing skills. This includes:
> Creating, saving and editing Microsoft Office documents
> Accessing and searching the internet
> Downloading and saving documents from websites
> Uploading documents through websites
> Participating in online discussions
> Compressing image files

Physical requirements

You will need manual dexterity (use of tools and equipment) and the ability to lift and carry, to meet performance criteria and achieve a competent result.

What support services are available?

During your studies with Open Colleges, you will have access to a comprehensive range of support services. These include:

Academic support
Your experienced trainer is available in OpenSpace to answer any questions you may have regarding the learning materials or assessments.

Student support
The student support team is your one-stop service centre for all student administrative issues – including enrolment, change of contact details, OpenSpace support, assessment results and certification. You can access the student support team in OpenSpace or by email or phone.

Learning support
The learning support team is a dedicated team of specialists that provide you with a comprehensive induction to studying with Open Colleges as well as specific support if you encounter learning difficulties during your studies. Learning support resources, such as writing guides, are available in OpenSpace. You can access the learning support team via your trainer or the student support team.

Peer support

As a student of Open Colleges you can also access our study buddy system. This enables you to connect with other Open Colleges students studying your course that live near you. Students find this is a great way to keep motivated and build lasting friendships and networks.

More information?

The Student Handbook, available on the Open Colleges website, provides more detailed information on the support services available to students. We recommend that you read the Student Handbook prior to enrolling with us.

What will I obtain on completion of the course?

Upon successful completion of this course you will receive a nationally recognised qualification UEE22011 Certificate II in Electrotechnology (Career Start), awarded by North Coast TAFE (Provider Number: 90010).

What funding support options exist?

Austudy/Abstudy

This course is Austudy/Abstudy approved, but you will need to apply directly to Centrelink for information on eligibility.

Study Periods and units

Once you are enrolled in this course, you will receive access to Study Period 1, which contains the first set of units for the course. When you have successfully completed those units, you'll be given access to the next module.

Order of Studies	Code	Unit Title
Study Period 1 Staying alive	UEENEEE101A	Apply Occupational Health and Safety regulations, codes of practises in the workplace
Study Period 2 Working in the industry	UEENEEE148A	Carry out routine work activities in an energy sector environment
	UEENEEE179A	Identify and select components, accessories and materials for energy sector work activities
Study Period 3 Solving problems	UEENEEE130A	Provide solutions and report on routine electrotechnology problems
Study Period 4 D.C Circuits	UEENEEE104A	Solve problems in D.C. circuits
Study Period 5 Working with customers	UEENEEE141A	Use of routine equipment/plant/technologies in an energy sector environment
	UEENEEC010B	Deliver a service to customers
Study Period 6 Providing instruction	UEENEEE020B	Provide basic instruction in the use of electrotechnology apparatus
	UEENEEK142A	Apply environmentally and sustainable procedures in the energy sector
Study Period 7 Apprenticeship ready	UEENEEA102A	Select electronic components for assembly
	UEENEEC001B	Maintain documentation

For full course competency details visit www.training.gov.au

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Studying with Open Colleges

Open Colleges provides you with the freedom to study where and when you want. We understand that our students are constantly juggling multiple priorities, so our unique learning approach has been specifically designed to enable you to fit education and training around your lifestyle.

After you enrol with Open Colleges you will be provided with access to OpenSpace – our virtual campus. Here are some of the key features and benefits of OpenSpace:

Access

Access your learning materials, assessments, videos and additional online resources wherever you have an internet connection. You can also download a PDF of your learning content and assessments so that you can study wherever and whenever it suits you.

Connections

Connect with your trainers and other students. You can participate in the lively student discussions, link up with a 'study buddy' or engage with your trainer. OpenSpace is also where you will submit your assessments and receive your grades.

Knowledge

OpenSpace is your link to Gale – our extensive online library. Through Gale you will have access to millions of academic, magazine and newspaper articles from around the world.

Support

Access the student support team using the online enquiry feature. OpenSpace also provides a detailed searchable database of Frequently Asked Questions, so that we can provide you with responses to many of the common queries. You can also contact the student support team by phone on 1300 650 011.

> "I would like to thank you for allowing me to study with you. This experience has opened my eyes to what I want to do for the rest of my life...I can't wait to receive my certificate! I have had nothing but good experiences with you."
>
> **Letiesha Laidlaw,
> Open Colleges Student**

How to Enrol

Enrolling with Open Colleges is easy:

Enrol online today. Just visit our website, select your course and click 'Enrol Today'

OR

Enrol by phone. Just call one of our friendly Enrolment Consultants on 1300 853 033

Need more information?

We appreciate that choosing the right course is important. If you would like to discuss your career or course options, please do not hesitate to call our Enrolment Consultants on 1300 853 033 or email enquiry@opencolleges.edu.au with your questions.

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Our Colleges

Open College of Accounting and Finance

Open College of Aged Care

Open College of Animal and Pet Care

Open College of Art and Design

Open College of Beauty

Open College of Business,
Management and Marketing

Open College of Child Care

Open College of Community Services

Open College of Counselling and Coaching

Open College of Fitness

Open College of Health Care

Open College of Information Technology

Open College of Natural Therapies

Open College of Photography

Open College of Teaching and Training

Open College of Technical Trades and Languages

Open College of Tourism and Hospitality

Australian College of Journalism

Our Partners

College of Fashion Design

ICM Training

National Safety Council of Australia

North Coast TAFE

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For more information call 1300 853 033
or go to **www.opencolleges.edu.au**