

Course Flyer

UEE30820 Certificate III in Electrotechnology Electrician



Course Description

This qualification provides individuals with the skills and knowledge to select, install, set up, test, fault find, repair and maintain electrical systems and equipment in buildings and premises. It includes Electrical Regulatory Authority Council (ERAC), or their successor's, Essential Performance Capabilities for an 'Unrestricted Electrician's license'.

The skills and knowledge described in this qualification require a licence or permit to practice in the workplace where work is carried out on electrical installations which are designed to operate at voltages greater than 50 volt (V) alternating current (a.c.) or 120 V direct current (d.c.).

Competency development activities in this qualification are subject to regulations directly related to licensing. Where a licence or permit to practice is not held, a relevant contract of training through an Australian Apprenticeship, may be required. To obtain an Unrestricted Electrician's Licence in most jurisdictions the qualification must be completed as an apprenticeship or Trades Recognition Australia (TRA) pathway. Where required for Licencing, the certification documentation issued must indicate if the qualification was completed as an apprenticeship or Trades Recognition Australia (TRA) pathway.

Job Roles and Career Pathways

The qualification is designed for students wishing to enter the Electrical industry for roles including General Electrician, Telecommunications Trades Workers and Electrician Tradesperson. Full details can be found at www.training.gov.au

Entry Requirements

Course entry

There are no formal course entry requirements into this qualification.

RTO Entry

The Electrotechnology Training package recommends the following:

Language, literacy and numeracy skills levels necessary to adopt the knowledge and be successful in completing the units within this qualification

Apprenticeship Students

Superior Training Centre specific course entry requirements for UEE30820 Certificate III in Electrotechnology Electrician for Apprenticeship students are as follows:

- Students should be either employed full time as an apprentice in the electrotechnology industry.
- Students should be signed up with an Apprentice Network Provider and have a Training Plan Proposal

Course Flyer

UEE30820 Certificate III in Electrotechnology Electrician

Numeracy and Literacy

Upon enrolment all students must take Language literacy and numeracy test as part of entry requirements. Students who need to improve their language and literacy skills must undertake a Smart and Skilled training for people who want extra learning support course to gain the required language level prior to commencement into UEE30820 Certificate III in Electrotechnology Electrician.

Where it is determined that an applicant may not have sufficient English language skills to complete the qualification and work successfully as Electrician, they will be provided with the following referrals:

- Registered Smart and Skilled provider to undertake a foundation skills course. The NSW Adult Literacy and Numeracy Council (NSWALNC) for assistance. NSWALNC is the peak body for the adult literacy and numeracy practitioners in NSW and have a detailed list of neighbourhood houses, neighbourhood learning centres, TAFE colleges and other providers who offer literacy and numeracy programs and support throughout NSW. <http://www.nswalnc.org.au/>

Intake

Course start dates are as listed on the RTO training schedule.

Further Learning

Students obtaining a competency for all units in this course will be awarded the full qualification UEE30820 Certificate III in Electrotechnology Electrician. Students not obtaining a competent result for all units in this course will receive a Statement of Attainment.

Participants completing UEE30820 Certificate III in Electrotechnology Electrician may enter into a workplace or continue current roles as a Licensed Electrician

Alternatively graduates of this course may continue their vocational education by undertaking a Certificate IV level course from the UEE Electrotechnology Training Package such as the UEE40620 - Certificate IV in Electrotechnology - Systems Electrician

Course Structure

This course comprises all the required Core competency units to a total of 990 points and elective units totalling 120 points. Where each stream reflects different work outcomes. The following units of competency will be delivered for this qualification

Course Flyer

UEE30820 Certificate III in Electrotechnology Electrician

Core units

HLTAID009	Provide Cardiopulmonary resuscitation
UEECD0007	Apply work health and safety regulations, codes and practices in the workplace
UEECD0016	Document and apply measures to control WHS risks associated with electrotechnology work
UEECD0019	Fabricate, assemble and dismantle utilities industry components
UEECD0020	Fix and secure electrotechnology equipment
UEECD0044	Solve problems in multiple path circuits
UEECD0046	Solve problems in single path circuits
UEECD0051	Use drawings, diagrams, schedules, standards, codes and specifications
UEECO0023	Participate in electrical work and competency development activities
UEEEL0003	Arrange circuits, control and protection for electrical installations
UEEEL0005	Develop and connect electrical control circuits
UEEEL0008	Evaluate and modify low voltage heating equipment and controls
UEEEL0009	Evaluate and modify low voltage lighting circuits, equipment and controls
UEEEL0010	Evaluate and modify low voltage socket outlets circuits
UEEEL0012	Install low voltage wiring, appliances, switchgear and associated accessories
UEEEL0014	Isolate, test and troubleshoot low voltage electrical circuits
UEEEL0018	Select wiring systems and select cables for low voltage electrical installations
UEEEL0019	Solve problems in direct current (d.c.) machines
UEEEL0020	Solve problems in low voltage a.c. circuits
UEEEL0021	Solve problems in magnetic and electromagnetic devices
UEEEL0023	Terminate cables, cords and accessories for low voltage circuits
UEEEL0024	Test and connect alternating current (a.c.) rotating machines
UEEEL0025	Test and connect transformers
UEEEL0039	Design, install and verify compliance and functionality of general electrical installations
UEEEL0047	Identify, shut down and restart systems with alternate supplies
UEERE0001	Apply environmentally and sustainable procedures in the energy sector
UETTDRRF04	Perform rescue from a LV panel

(27 Units – Total 990 points)

Elective units

Group A Electives (maximum 120 points)	
UEEDV0005	Install and maintain for multiple access to telecommunication services
UEEEL0033	Conduct electrical tests on LV electrical machines

Course Flyer

UEE30820 Certificate III in Electrotechnology Electrician

Core Units Syllabus

(27 Units – Total 990 points)

Subject	Outcome (Required Skills & Knowledge)
UEECD0007 - Apply work health and safety regulations, codes and practices in the workplace	<ul style="list-style-type: none"> ○ Effective verbal and written communication techniques ○ Electrotechnology work environment, including ○ Legal requirements relevant to WHS/OHS in the workplace ○ Life support - cardiopulmonary resuscitation (CPR) in the workplace ○ Relevant safe work method statements (SWMS)/job safety analysis (JSA) or risk mitigation processes ○ Typical hazards associated with electrotechnology work environments and their control ○ Silica ○ Hazardous gases ○ Chemicals in the workplace ○ Confined spaces ○ Physical and psychological hazards, including excessive noise, vibration, thermal stress, radiation, lasers, occupational overuse syndrome, stress, drugs and alcohol ○ working at heights ○ working safely with electricity
HLTAID009 - Provide Cardiopulmonary resuscitation	<ul style="list-style-type: none"> ○ guidelines and procedures ○ legal, workplace and community considerations ○ considerations when providing CPR ○ techniques for providing CPR to adults, children and infants
UEECD0016 - Document and apply measures to control WHS risks associated with electrotechnology work	<ul style="list-style-type: none"> ○ risk management and assessment of risks ○ recognising and assigning a level of risk ○ identifying control measures to eliminate or control risk ○ control measure documentation ○ construction site hazards, risks and control measures ○ hazards, risks and control measures associated with HV ○ hazards, risks and control measures associated with LV equipment ○ hazards associated with extra-low voltage (ELV), LV and high currents
UEECD0019 - Document and apply measures to control WHS risks associated with electrotechnology work	<ul style="list-style-type: none"> ○ mechanical drawing interpretation and sketching ○ workshop planning and materials ○ measuring and marking out ○ holding and cutting materials ○ drills and drilling

Course Flyer

UEE30820 Certificate III in Electrotechnology Electrician



	<ul style="list-style-type: none"> ○ tapping and threading including type and size of commonly used threads used in electrotechnology work ○ general hand tools used in electrotechnology work ○ joining techniques ○ portable power tools in electrotechnology work ○ compressed gas operated tools in electrotechnology work ○ sheet metal work ○ low tolerance measurement ○ dismantling and assembly techniques, including procedures for ensuring the safe treatment of dismantled components ○ relevant tools for specific tasks
<p>UEECD0020 - Fix and secure electrotechnology equipment</p>	<ul style="list-style-type: none"> ○ devices, tools, equipment and methods for supporting, fixing and protecting electrotechnology equipment wiring/cablings/piping and functional accessories ○ relevant electrical regulations and legislations ○ relevant job safety assessments or risk mitigation processes ○ relevant electrotechnology equipment manufacturer specifications ○ relevant WHS/OHS legislated requirements ○ relevant workplace documentation ○ relevant workplace policies and procedures ○ sustainable energy principles and practices
<p>UEECD0044 - Solve problems in multiple path circuits</p>	<ul style="list-style-type: none"> ○ factors affecting resistance ○ series/parallel circuits ○ parallel circuits ○ meters in a circuit ○ resistance measurement ○ capacitors and capacitance ○ capacitors in series and parallel
<p>UEECD0046 - Solve problems in single path circuits</p>	<ul style="list-style-type: none"> ○ electrical concepts ○ electrical circuits ○ Ohm's Law including ○ electrical power ○ effects of electrical current ○ electromotive force (EMF) sources and conversion of electrical energy ○ resistors ○ series circuits
<p>UEECD0051 - Use drawings, diagrams, schedules, standards, codes and specifications</p>	<ul style="list-style-type: none"> ○ architectural drawings ○ building construction drawings and diagrams ○ circuit diagrams ○ electrical drawings ○ purpose, format and content of typical job specifications, including common templates on which job specifications are written ○ regulations for undertaking electrical work, including legislative requirements for ensuring electrical or electronic equipment is safe i.e. compliance requirements of electrical installations

Course Flyer

UEE30820 Certificate III in Electrotechnology Electrician



	<ul style="list-style-type: none"> ○ scope of work covered by licensing in the electrotechnology industry (electrical licensing) ○ relevant WHS/OHS legislated requirements ○ relevant workplace policies and procedures include risk mitigation process ○ standards philosophy and format ○ wiring diagrams
<p>UEECO0023 - Participate in electrical work and competency development activities</p>	<ul style="list-style-type: none"> ○ competency development plans ○ roles of electrotechnology industry bodies applicable to the context and conditions under which the competency development plan will be undertaken ○ training organisation policies and procedures applicable to the context and conditions under which the competency development plan will be undertaken ○ electrotechnology workplace policies and procedures applicable to the context and conditions under which the competency development plan will be undertaken ○ documenting and reporting evidence of work activities
<p>UEEEL0003 - Arrange circuits, control and protection for electrical installations</p>	<ul style="list-style-type: none"> ○ AS/NZS 3000 safety principles and deemed to comply requirements ○ circuit and control arrangements ○ hazards and risks in an electrical installation ○ protection against indirect contact ○ earthing ○ requirements for equipotential bonding in a range of installation situations ○ protection against overload and short circuit current ○ devices for automatic disconnection of supply ○ protection against over voltage and under voltage ○ control of an electrical installation and circuits ○ switchboards/distribution boards ○ relevant WHS/OHS legislated requirements ○ relevant workplace documentation ○ relevant workplace policies and procedures
<p>UEEEL0005 - Develop and connect electrical control circuits</p>	<ul style="list-style-type: none"> ○ operating principles, basic contact configurations and identification and common applications ○ control circuits ○ remote stop-start control and electrical interlocking ○ time delay relays, including timer circuit checking and testing procedures ○ circuits using contactors ○ jogging and interlocking ○ control devices ○ programmable relays ○ three phase induction motor starters ○ three phase induction motor starters- reduced voltage ○ three phase induction motor reversal and braking

Course Flyer

UEE30820 Certificate III in Electrotechnology Electrician



	<ul style="list-style-type: none"> ○ three phase induction motor speed control ○ relevant manufacturer specifications
<p>UEEEL0008 - Evaluate and modify low voltage heating equipment and controls</p>	<ul style="list-style-type: none"> ○ electrical heating control devices ○ fixed electrical heating appliances ○ electrical water heater operation ○ faults in heating equipment and controls ○ relevant job safety assessments or risk mitigation processes ○ relevant manufacturer specifications ○ relevant WHS/OHS legislated requirements ○ relevant workplace documentation ○ relevant workplace policies and procedures ○ relevant industry standards
<p>UEEEL0009 - Evaluate and modify low voltage lighting circuits, equipment and controls</p>	<ul style="list-style-type: none"> ○ loop at the light method of wiring lighting circuits ○ loop at the switch method of wiring lighting circuits ○ installation methods of accessories and wiring for a lighting circuit incorporating one-way, two-way and intermediate switching of lighting points using the loop at the light/switch method of TPS wiring ○ TPS cabling requirement for the loop at the light/switch circuit ○ correct operation of the installed circuits including testing for compliance with industry standards ○ emergency and evacuation lighting and lighting control ○ principles of lighting technology ○ local Supply Authority requirements for maintaining high power factor ○ terminology, principles and standards relevant to lighting (energy efficiency as per National Construction Code (NCC)) ○ types of luminaires ○ lighting circuits, equipment and controls used for commercial, industrial and domestic ○ lighting layout in terms of visual comfort and relevant Australian Standards ○ Australian Standards and local requirements for lighting ○ light-emitting diode (LED) lighting and its applications ○ Neon, Argon and Xenon lighting and their applications ○ comparison of incandescent, low intensity discharge, high intensity discharge, LED and other types of lighting ○ fire protection – residential fire and smoke alarms ○ identifying faults in luminaires and auxiliary/control equipment, including circuit and wiring diagrams of common lighting circuits ○ input and output parameters of equipment incorporating electronic components for; controlling/switching lighting, controlling/switching motors, energy measurement and control, rectifying and inverting electrical supplies ○ hazards and safety requirements related to equipment incorporating electronic components used in electrical systems ○ relevant manufacturer specifications
<p>UEEEL0010 - Evaluate and modify low voltage socket outlets circuits</p>	<ul style="list-style-type: none"> ○ circuits for socket outlets ○ final sub-circuits and segregation ○ identifying faults in socket outlets circuits

Course Flyer

UEE30820 Certificate III in Electrotechnology Electrician



	<ul style="list-style-type: none"> ○ hazards and safety requirements related to equipment incorporating electronic components used in electrical systems ○ relevant manufacturer specifications
<p>UEEEL0012 Install low voltage wiring, appliances, switchgear and associated accessories</p>	<ul style="list-style-type: none"> ○ standards, codes and requirements applicable to the installation of wiring systems and electrical equipment ○ techniques for installing cables and wiring systems ○ termination of sub circuit cabling at switchboards and connection to components ○ varied and additional standards and requirements for special situations ○ methods for the installation, modification and testing of electrical installations and equipment for construction and demolition sites, complying with AS/NZS 3012 and applicable workplace safety legislation ○ identifying hazardous areas ○ requirements for the installation of cables and accessories in damp situations and extra-low voltage (ELV) installations ○ installation of aerial conductors and underground wiring ○ hazards and safety requirements related to equipment incorporating electronic components used in electrical systems
<p>UEEEL0014 - Isolate, test and troubleshoot low voltage electrical circuits</p>	<ul style="list-style-type: none"> ○ safety procedures for working on electrical systems, circuits and equipment ○ safe working practices as a normal part of carrying out electrical installation work ○ tools and equipment needed to conduct electrical installation compliance inspection and testing ○ legislation and regulations that require circuits and equipment to be inspected and tested to ensure they are safe ○ the person/bodies responsible for the various aspects of ensuring electrical installations are safe ○ results of periodic inspection and tests that show construction site wiring and equipment is safe to use ○ results of periodic inspection and tests that show electrical equipment are safe to use ○ visual inspection of the electrical installation for compliance with regulatory requirements ○ regulatory requirements related to compliance testing ○ AS/NZS 3000 requirements for dealing with unused conductors and equipment ○ importance of the MEN link when a fault occurs ○ likely consequences of the absence of the MEN link or high impedance in the PEN conductor when a fault occurs ○ requirements for installation of an MEN link in an installation and an outbuilding ○ safety implications of high impedance or open circuit neutral faults ○ ensure active/s and neutral for the same circuit are clearly identified with their circuit protection device ○ tests that show all circuits and equipment operate as intended

Course Flyer

UEE30820 Certificate III in Electrotechnology Electrician



	<ul style="list-style-type: none"> ○ results of tests conducted on an installation to comply with requirements and ensure the installation is safe ○ documentation of periodic testing and inspection of electrical equipment, including tagging requirements in accordance with AS/NZS 3760 ○ techniques and procedures for the effective safe isolation of any equipment ○ techniques and procedures for testing and verification of alternate supplies ○ troubleshooting concepts ○ hazards and safety requirements related to equipment incorporating electronic components used in electrical systems
<p>UEEEL0018 - Select wiring systems and select cables for low voltage electrical installations</p>	<ul style="list-style-type: none"> ○ design and safety performance requirements ○ final sub-circuit arrangements ○ factors effecting the suitability of wiring systems ○ maximum demand on consumer mains/sub-mains ○ cable selection based on current-carrying capacity requirements ○ cable selection based on voltage-drop requirements ○ cable selection based on fault-loop impedance requirements ○ selecting protection devices ○ selecting devices for isolation and switching ○ Switchboards ○ relevant manufacturer specifications
<p>UEEEL0019 - Solve problems in direct current (d.c.) machines</p>	<ul style="list-style-type: none"> ○ rotating machine construction, testing and maintenance ○ generators ○ motors ○ machine efficiency ○ safety considerations for inductive loads ○ relevant manufacturer specifications
<p>UEEEL0020 - Solve problems in low voltage a.c. circuits</p>	<ul style="list-style-type: none"> ○ a.c. quantities ○ phasor diagrams ○ single element a.c. circuits ○ RC and RL series a.c. circuits ○ RLC series and parallel a.c. circuits ○ power in an a.c. circuit ○ power factor improvement ○ harmonics and resonance effect in a.c. systems ○ three phase systems ○ three phase star connections ○ three phase four wire systems ○ three phase delta connections and interconnected systems ○ energy and power requirements of ac systems ○ fault-loop impedance ○ local requirements and relevant industry standards

Course Flyer

UEE30820 Certificate III in Electrotechnology

Electrician



	<ul style="list-style-type: none"> ○ phase relationship between line and phase voltages and line and phase currents of star, delta, and typical interconnected systems using star connections and delta connections ○ relevant manufacturers' specifications
UEEEL0021 - Solve problems in magnetic and electromagnetic devices	<ul style="list-style-type: none"> ○ magnetism ○ electromagnetism ○ magnetic circuit types and associated terminology ○ methods used to reduce electrical losses in a magnetic circuit ○ electromagnetic induction ○ inductance ○ magnetic principles in measurement instruments ○ magnetic devices ○ relevant manufacturer specifications
UEEEL0023 - Terminate cables, cords and accessories for low voltage circuits	<ul style="list-style-type: none"> ○ cable types and terminations ○ cords, cables and plugs ○ flat thermoplastic sheathed (TPS) wiring systems ○ circular TPS wiring systems ○ thermoplastic insulated (TPI) cables in non-metallic enclosures ○ TPI cables in metallic enclosures ○ fire protection cabling and systems encompassing ○ steel wire armoured (SWA) cables ○ trailing cables and catenary systems ○ relevant industry standards and testing requirements for safe operation relating to ○ relevant manufacturer specifications
UEEEL0024 - Test and connect alternating current (a.c.) rotating machines	<ul style="list-style-type: none"> ○ operating principles of three phase induction motors ○ three phase induction motor construction ○ three phase induction motor characteristics ○ split phase - single phase motors ○ single phase motors – capacitor and shaded pole types, including identification of single-phase induction motors ○ single phase motors – series universal ○ motor protection ○ three phase synchronous machines- operation principles and construction ○ alternators and generators ○ safe testing methods for locating faults in low voltage (LV) a.c machines ○ mechanical faults and associated symptoms that occur in LV a.c rotating machines ○ faults on driven loads and couplings and their consequences ○ electrical faults and associated symptoms that occur in LV a.c rotating machines ○ relevant manufacturer specifications

Course Flyer

UEE30820 Certificate III in Electrotechnology Electrician



<p>UEEEL0025 - Test and connect transformers</p>	<ul style="list-style-type: none"> ○ AS/NZS 3000 Electrical installations requirements and restrictions on the installation and use of transformers ○ methods used to insulate low voltage (LV) and high voltage (HV) transformers ○ types of information stated on transformer nameplates ○ types of lamination style and core construction used in transformers ○ relevant industry standards relating to transformers ○ application of transformers ○ transmission and distribution transformers ○ construction of voltage transformers ○ ratings of voltage transformers ○ auto-transformers and instrument transformers ○ transformer operation ○ transformer losses, efficiency and cooling ○ transformer voltage regulation ○ percentage impedance ○ parallel operation of transformers ○ relevant manufacturer specifications
<p>UEEEL0039 - Design, install and verify compliance and functionality of general electrical installations</p>	<ul style="list-style-type: none"> ○ electrical safety ○ WHS/OHS ○ methods to rescue a person in contact with live electrical conductors or equipment ○ application of emergency first aid requirements for an electric shock victim ○ dangers of high voltage (HV) equipment and distribution systems ○ effects of electric current ○ single path d.c. circuits ○ multiple path d.c. circuits ○ alternating voltage and current generation, phase relationships, energy in an alternating current (a.c.) circuit
<p>UEEEL0047 - Identify, shut down and restart systems with alternate supplies</p>	<ul style="list-style-type: none"> ○ working safely with alternate supplies, including identifying hazards and controlling risks in compliance with regulatory and enterprise requirements ○ main types, arrangements and configurations of alternative supplies (generating system), including renewable and non-renewable generating systems ○ fundamental requirements ○ safe isolation of the generator/energy source ○ labelling and identification of alternate supply systems ○ battery storage systems, including regulatory and manufacturer requirements ○ relevant industry standards to which the selection, installation and control equipment of each type of system must comply ○ site and regulatory documentation requirements
<p>UEERE0001 -</p>	<ul style="list-style-type: none"> ○ sustainable work practices

Course Flyer

UEE30820 Certificate III in Electrotechnology Electrician



<p>Apply environmentally and sustainable procedures in the energy sector</p>	<ul style="list-style-type: none"> ○ techniques for reducing carbon produced energy and hence greenhouse gases ○ trade-related technologies and methods ○ relevant risk mitigation processes ○ relevant WHS/OHS legislated requirements ○ relevant workplace documentation ○ relevant workplace policies and procedures
<p>UETDRRF04 - Perform rescue from a LV panel</p>	<ul style="list-style-type: none"> ○ emergency procedures for the rescue of a victim from a live LV panel encompassing ○ emergency procedures required for the rescue of a victim from a live LV panel encompassing

Elective units (group A) – Syllabus (maximum 120 points)

Subject	Outcome (Required Skills & Knowledge)
<p>UEEDV0005 - Install and maintain for multiple access to telecommunication services</p>	<ul style="list-style-type: none"> ○ customer interfaces, devices and system distribution ○ installation and termination requirements ○ Cabling Provider Rules ○ general installation requirements ○ cable distribution devices ○ network boundaries ○ indoor cabling ○ underground cabling ○ aerial cabling ○ earthing protection ○ surge suppression and system purpose, types and operation ○ miscellaneous regulation ○ cable identification ○ telecommunication cable types ○ cable installation ○ techniques for general cable installation ○ techniques to terminate and test ○ earthing concepts ○ cable shielding and interference ○ end-to-end testing ○ hazards
<p>UEEEL0033 - Conduct electrical tests on LV electrical machines</p>	<ul style="list-style-type: none"> ○ connection of test/measuring devices into a circuit, including safety procedures and circuit arrangement ○ current industry practices and technologies

Course Flyer

UEE30820 Certificate III in Electrotechnology Electrician

- electric motor/machine mechanical measuring, inspecting and testing devices and techniques
- relevant job safety assessments or risk mitigation processes
- relevant manufacturer specifications
- relevant safe working practices, including safety procedures when using test/measuring devices
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies and procedures
- storage, maintenance and care of test/measuring devices
- sustainable energy principles and practices
- taking and interpreting readings for continuity, insulation resistance, and short circuit tests on a magnetic circuit
- test/measuring devices and their application, including a multimeter, growler, insulation resistance, continuity and short circuit testers

Course Flyer

UEE30820 Certificate III in Electrotechnology Electrician



Volume of Learning

The volume of learning allocated to this qualification includes all teaching, learning and assessment activities that are required to be undertaken by the targeted student to achieve the learning outcomes of this qualification.

UEE30820 Certificate III in Electrotechnology Electrician are often the basis for trade outcomes and undertaken as part of a traineeship or apprenticeship. In these cases, the volume of learning for UEE30820 Certificate III in Electrotechnology Electrician may be required up to four years to achieve the learning outcomes.

The Volume of Learning is 1,486 hours consisting of scheduled delivery, self-paced study; and 2,340 hours of workplace evidence additional to scheduled hours.

Duration

Total duration for UEE30820 Certificate III in Electrotechnology Electrician is 3,826 hours over 129 weeks as follows:

- 105 weeks delivery and assessment
 - 856 hours scheduled mandatory face to face classes (8 hours per week during term time: theory, assessment, practical – classroom and simulated Electrician environment)
 - 315 hours online learning (3 hours per week during term time)
 - 315 hours self-paced learning (3 hours per week during term time)
 - 2,340 minimum hours approximately of workplace training (It is expected that the learner completes a minimum of 15 hrs per week over the duration of the course of 52 weeks for 3 years)
- 24 weeks break

If students have previous relevant experience, where RPL/CT is awarded, the total volume of learning may be reduced below the Australian Qualifications Framework Indicators. Alternatively, for new entrants or inexperienced students' timeframes may need to be increased to allow sufficient time to acquire required skills and knowledge.

Delivery

This qualification is delivered fourteen (14) hours per week, on one (1) day per week, over a hundred and five (105) weeks (approximately 2 years and 6 months duration).

Note: This course duration does not include workplace (on the job-training) hours but is required to obtain the qualification UEE30820 - Certificate III in Electrotechnology Electrician.

Course Flyer

UEE30820 Certificate III in Electrotechnology Electrician

Assessment Methods

Assessment is structured throughout the course. If students are unable to achieve competency, additional support is provided through mentoring and access to re-assessment as outlined in our policies and procedures. Assessment requires achievement across all tasks to demonstrate competence and includes:

- Written Assessment
- Simulated/Practical Assessment (demonstration of skills)
- Portfolio of Evidence including Third party Report*

**Supplementary and Indirect workplace evidence: Successful completion of this course will require students to submit a portfolio of work performed, additional evidence will be asked to the student to support competence in the unit: referee testimonials and employment history declaration.*

Recognition of Prior Learning (RPL)

Students who have completed corresponding units of competency and/or units contained within the packaging rules can apply for Credit Transfer. RPL evidence must include some of the following:

- Work Experience
- Life Experience
- Previous Study e.g. qualifications, industry training
- Professional Development Programs and/or Course

Resources

Students will be provided with the following resources required to complete the UEE30820 Certificate III in Electrotechnology Electrician upon enrolment:

- Peter Philips: Electrical Principles
- Ralph Berry, Phillip Chadwick: Electrical Trade Practices

Relevant Industry Standards

Superior Training Centre's delivery and assessment of the 108501D UEE30820 Certificate III in Electrotechnology Electrician complies with the following Australian standards:

- AS/NZS 3000
- AS/NZS 3008
- AS/NZS 3012
- AS/NZS 3160
- AS/NZS 3017

Course Flyer

UEE30820 Certificate III in Electrotechnology Electrician

Total Course Fees



This training is subsidised by the NSW Government under the Smart and Skilled program. Additional fees may apply for books and Exemplar Profiling.

Campus Details and Facilities

Superior Training Centre is located at Level 1/8 Oxford Rd, Ingleburn NSW 2565.

The campus at Ingleburn provides quality teaching and learning facilities for students. The training facilities have been set up to run classroom based straining sessions, to support the learning and assessment programs we offer.

The campus includes well-appointed facilities that offer a comfortable learning environment.

Library Services

Ingleburn Library is available to students to assist them with their study. The library is located at 76 Oxford Rd, Ingleburn NSW 2565 and is just a 15-minute walk from the campus.

How to Apply

Please contact Superior Training Centre by:

☎ +61 2 9618 6809

✉ info@stc.nsw.edu.au

Course Flyer

UEE30820 Certificate III in Electrotechnology Electrician

Important Information – Student Handbook, Policies and Procedures, Fees and Charges

Information about our training and assessment policies and procedures are included on our website www.stc.nsw.edu.au and should be read by you, prior to enrolment in addition to the Student Handbook which is also located on our website. These documents contain important information about your training course, fees and charges including our refund policy.

Identification of Student Needs and Student Support

Student needs are declared by the applicant at the time of enrolment: the application form allows the applicant to self-declare where they have learning disabilities.

Every student is interviewed either face to face or over the telephone to attempt to establish the applicant skill and knowledge levels, their current employment and how that relates to the course content and interaction.

Where language literacy and numeracy are in question, Superior Training Centre has a language literacy and numeracy assessment they may undertake to confirm their level of language, literacy and numeracy skills.

Reasonable adjustments to training and assessment will be made and additional support (e.g. LLN, assistive technology, additional training, alternative delivery and assessment modes and methods) provided where students with physical attributes or specific learning needs are identified as requiring these changes to complete their training and assessment.