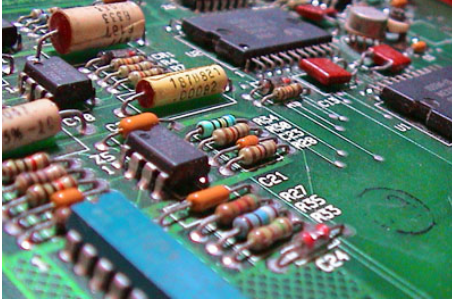


## Course Flyer UEE21911 (CRICOS code 094820G) Certificate II in Electronics



### Course Description



This qualification provides competencies to select, assemble, set up and maintain electronic devices following prescribed routines.

The duration of UEE21911 Certificate II in Electronics a total of twelve (12) units of competency must be satisfactorily completed, comprised of seven (7) Core and five (5) elective units of competency.

The duration of the UEE21911 Certificate II in Electronics is 20 contact hours per week over 30 weeks

### Job Roles and Career Pathways

The qualification is designed for students wishing to enter the Electrotechnology industry for roles including; Computer Assembler, Electrical Trades Assistant, Electronics Operator, Electrotechnology Career Start Trainee, Remote Area Power Supply Operator, Remote area Service Operator or Sustainable Energy Career Start Trainee. Full details can be found at [www.training.gov.au](http://www.training.gov.au)

### Entry Requirements

#### Course entry

**There are no formal course entry requirements into this qualification. International students must meet visa, financial (fees/relevant costs) and English language proficiency requirements.**

#### RTO Entry

This course is recommended for students who wish to enter the industry. Students are required to have language, literacy and numeracy skills as required to undertake these workplace functions.

### Intake

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



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Further Learning



The UEE21911 Certificate II in Electronics is a prerequisite for several specialised courses in the Electrotechnology Industry that will help you to further your career.

Students who complete the UEE21911 Certificate II in Electronics can continue their studies by advancing to the UEE30811 Certificate III in Electrotechnology (Electrician) or any other relevant Certificate III level qualification.

## Course Structure

This course comprises all the required 7 Core competency units to a total of 240 points and elective unit stream achieving minimum 120 points.

The following units of competency will be delivered for this qualification

### Core units

#### UEENEEE101A

Apply Occupational Health and Safety regulations, codes and practices in the workplace

#### UEENEEE137A

Document and apply measures to control OHS risks associated with electrotechnology work

#### UEENEEE038B

Participate in development and follow a personal competency development plan

#### UEENEEK142A

Apply environmentally and sustainable procedures in the energy sector

#### UEENEEE102A

Fabricate, assemble and dismantle utilities industry components

#### UEENEEE104A

Solve Problems in d.c. circuits

#### UEENEEH102A

Repairs basic electronic apparatus faults by replacement of components

**(12 Units – Total 360 points)**

### Elective units

Group A electives (a minimum of 0 points and maximum of 60 points)

#### UEENEEC001B

Maintain documentation

#### UEENEEC002B

Source and purchase material / parts for installation or service jobs

#### UEENEEC010B

Deliver a service to Customers

Group B Electives: A minimum of 60 points

#### UEENEEE105A

Fix and secure electrotechnology equipment

#### UEENEEE107A

Use drawings, diagrams, schedules, standards, codes and specifications

**(7 Units-Total 240 points)**

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Subject	Outcome (Required Skills & Knowledge)
<b>UEENEEE038B – Participate in development and follow a personal competency plan</b>	Understand competency Development (Training) Plans Understand qualification Structure Understand responsibilities of Parties to the contract Understand industry customs and practices Understand monitoring of Workplace Evidence RTO Policies Understand apprentice/Learner Discipline Policy Understand attendance at the Vocational and Technical Education Centre Understand fire and Emergencies at the Vocational and Technical Education Centre Understand occupational Health and Safety at the Vocational and Technical Education Centre Understand entry Requirements Understand vocational and Technical Education Centre Tour
<b>UEENEEE101A - Apply Occupational health Safety regulations, codes and practices in the workplace</b>	Understand the basic legal requirements covering occupational health and safety in the workplace Understand the work environment Understand manual Handling Understand chemicals in the workplace Understand working at heights Understand confined spaces Understand physical and psychological hazards Understand working safely with electricity Understand life support - CPR in the workplace
<b>UEENEEE102A - Fabricate, dismantle, assemble of utilities industry components</b>	Understand mechanical drawing interpretation and sketching Understand workshop planning and materials Understand measuring and marking out Understand holding and cutting Understand drills and drilling Understand tapping and threading Understand general Hand Tools Understand joining techniques Understand portable electric power tools Understand sheet metal work Understand low tolerance measurement Understand dismantling and assembly techniques

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<p><b>UEENEEE104A - Solve problems in d.c. circuits</b></p>	<p>Understand basic electrical concepts                  Understand basic electrical circuit                  Understand Ohm's Law                  Understand electrical power                  Understand effects of electrical current                  Understand EMF sources energy sources and conversion electrical energy                  Understand resistors                  Understand series circuits                  Understand parallel circuits                  Understand series/parallel circuits                  Understand factors affecting resistance                  Understand effects of meters in a circuit                  Understand resistance measurement                  Understand capacitors and Capacitance                  Understand capacitors in Series and Parallel</p>
<p><b>UEENEEE137A - Documents and apply measures to control OHS risks associated with electrical work</b></p>	<p>Understand risk management and assessment of risk encompassing                  Understand hazards and risks and control measures in working on construction sites                  Understand hazards associated with extra-low voltage, low-voltage and high-currents                  Understand hazards and risks and control measures associated with high-voltage                  Understand hazards and risks and control measures in working with low voltage equipment                  Understand hazards and risks and control measures associated with harmful, devices, materials, gases, dusts and airborne contaminant                  Understand how to determine the degree of the risk                  Understand use control measures to eliminate or control the risk                  Understand engaging in monitoring and reviewing processes to ensure control measures remain valid</p>
<p><b>UEENEEH102A - Repairs basic electronic apparatus faults by replacement of components</b></p>	<p>Electronic soldering equipment and techniques                  Printed circuit board soldering techniques                  Soldering electronic cables                  Electronic component basics                  Electronic cable overview and coaxial cable                  Performance copper cables                  Electronic apparatus components</p>
<p><b>UEENEEK142A – Apply Environmentally and sustainable procedures in the energy sector</b></p>	<p>Understand sustainable work practices encompassing                  Understand techniques for reducing carbon produced energy and hence greenhouse gases</p>

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**Elective units (group A) – Syllabus**  
 (a minimum of 0 points and maximum 60 points)

<b>Subject</b>	<b>Outcome (Required Skills &amp; Knowledge)</b>
<b>UEENEEC001B - Maintain documentation</b>	Understand enterprise communication methods Understand work activities records Understand using basic computers and applications
<b>UEENEEC002B - Source and purchase material/parts for installation or service jobs</b>	Understand Enterprise communication methods Understand Work activities records Understand Enterprise purchasing system Understand Using basic computers and applications
<b>UEENEEC010B - Deliver a service to customers</b>	Understand enterprise communication methods Understand work activities records Understand problem solving concepts and techniques Understand enterprise customer relations protocols Understand enterprise quality management system Understand instructing users in the use of specific items of equipment and systems

**Elective units (group B) – Syllabus**  
 (a minimum of 60 points)

<b>Subject</b>	<b>Outcome (Required Skills &amp; Knowledge)</b>
<b>UEENEEE105A - Fix and secure Electrotechnology equipment</b>	Understand device for securing and mounting electrical/electronic/instrumentation/refrigeration/ air-conditioning/telecommunications accessories for supporting, fixing and protecting wiring/cabling/piping and functional accessories to hollow walls Understand device for securing and mounting electrical/electronic/instrumentation/refrigeration/ air-conditioning/telecommunications accessories for supporting, fixing and protecting wiring/cabling/piping and functional accessories to solid walls Understand device for securing and mounting electrical/electronic/instrumentation/refrigeration/ air-conditioning/telecommunications accessories for supporting, fixing and protecting wiring/cabling/piping and functional accessories to metal fixing Understand securing and mounting electrical/electronic/instrumentation/refrigeration/ air-conditioning/telecommunications accessories for supporting, fixing and protecting wiring/cabling/piping and functional accessories using fixing adhesives and tapes
<b>UEENEEE107A - Use drawings, diagrams, schedules, standards, codes and specifications</b>	Understand architectural drawings Understand electrical drawings

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	Understand circuit diagrams Understand wiring diagrams Understand building construction drawings and diagrams Understand regulation for undertaking electrical work Understand standards philosophy and format Understand purpose, format and content of typical job specifications
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## Volume of Learning

The volume of learning allocated to a qualification will vary depending on the level of the qualification and the experience and competency of the student. Students must complete the allocated hours for the qualification they are undertaking in order to achieve competency. If the student applies for RPL or Credit Transfer, the volume of learning may be reduced. The hours that make up the volume of learning for UEE21911 Certificate II in Electronics are:

Category	Hours
Classroom Based Learning	468
Simulated/Practical Assessments	144
Workplace Learning	0
<b>Total</b>	<b>612*</b>

*\*The total volume of learning for a Certificate II level qualification must be at least 600 hours*

## Delivery

The duration for this course in training weeks will take 6.8 hours per day, 3 day per week over 30 weeks

This will involve a blend of online, classroom based, simulated and supervised workplace based training to ensure full competency.

## 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
- Portfolio of Evidence including Third party Report
- Practical Assessment (demonstration of skills)

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## Recognition of Prior Learning (RPL)

Students with prior learning and work experience can apply for 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 Courses

## Resources

Students will be provided with the following resources required to complete the UEE21911 Certificate II in Electronics upon enrolment:

- Excerpts of Pethebridge, K and Neeson, 1 (2001) Electrical Wiring Practice, 7<sup>th</sup> Edition Vol 1 & 2, McGraw Hill Sydney (For Full course only), RPL students will receive handouts

## Relevant Industry Standards

Superior Training Centre's delivery and assessment of the UEE21911 Certificate II in Electronics complies with the following Australian standards:

- AS3000



## Course Flyer

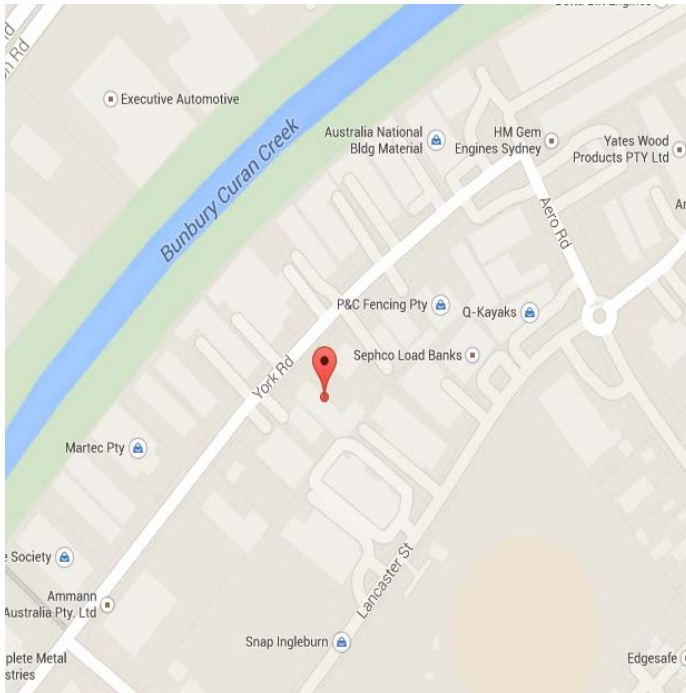
### UEE21911 (CRICOS code 094820G) Certificate II in Electronics

## Total Course Fees



\$5,000.00 Deposit (non-refundable) This amount comes out of subsequent course fees.  
\$12,000.00 Course Fees (Paid by Payment Plan)  
\$1,000.00 Resource Fee for all books and resources

## Campus Details and Facilities



Superior Training Centre is located at 1/13 York Road, 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 training 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.

 02 46454060

## How to Apply

Please contact Superior Training Centre by:

 +61 2 9618 6809

 [info@stc.nsw.edu.au](mailto:info@stc.nsw.edu.au)



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# 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](http://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.