



## International Students

For Domestic Students enrolment, please contact [admissions@sapiencecollege.edu.au](mailto:admissions@sapiencecollege.edu.au)

### UEE62122 - Advanced Diploma of Engineering Technology - Electrical

<https://training.gov.au/Training/Details/UEE62122>

CRICOS Code: 116166C

#### DESCRIPTION

This qualification covers competencies to design and validate/evaluate electrical equipment and systems and provide technical advice/sales.

#### ACCREDITATION

This qualification is nationally recognised under the Australian Qualifications Framework (AQF).

#### CLIENT GROUPS

Overseas / International students will be:

- Holding valid Student Visa
- Fee for service

Learners with experience in the relevant industry or education can apply for Recognition of Prior Learning (RPL) and Credit Transfer. Please refer to 'RECOGNITION OF PRIOR LEARNING AND CREDIT TRANSFER' section or contact Sapience College (SC).

#### ENTRY REQUIREMENTS

##### ***Qualification Package Entry Requirements***

No entry requirements are for this course according to qualification package. Department of Human Affairs (DHA) requirements are applicable for international students.

##### ***SC Admission requirements***

SC has the following admission requirements for all students:

- Be 18 years of age or over.
- Entry into this course requires successful completion of an Australian Year 12 qualification or equivalent.
- Have an IELTS overall band of 6.0 or equivalent.
- Applicants are required to have successfully completed a Pre-Training Review and Language, Literacy, Numeracy (LLN) test before enrolment. ACSF level 3 is required in reading, writing, learning, oral

communication, numeracy. The student may be exempted from LLN test if student has already completed an Australian Qualification of Advanced Diploma or higher level prior to enrolment.

*Note:* Unless the learner him/herself is exempt, a valid Unique Student Identifier is must for the issuance of the qualification or statement of attainment. For more assistance, please visit <https://www.usi.gov.au>.

### LICENSING / REGULATORY INFORMATION

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

### PATHWAY FROM THE QUALIFICATION

#### ***Training Pathway***

Further training pathways from this qualification include higher education in the same field e.g. Bachelor of Engineering.

#### ***Employment Pathway***

This qualification provides a pathway to work in the field where possible job titles may include:

- Energy Auditors
- Electrical Estimators
- Electrical Engineering Technicians
- Industrial Automation Technicians
- Electrical Drafters
- Sustainability Officers

Please refer to the following source for Pathway and employment outcomes and Job Pathways Charts illustrating potential career pathways within that industry.

Source: <https://www.yourcareer.gov.au/learn-and-train/courses/UEE62122>

### TRAINING DELIVERY

The program takes place in a classroom environment with access to a simulated environment where required. The participants in each program group will be provided with detailed learning resources to support the learning activities. These resources will include learning, assessment and other reference material relevant to the unit of competency being delivered.

### DURATION

This course is offered full time over 104 weeks including holidays (20 weeks) on a full-time basis for 20 hours per week for 84 weeks. Students need to gain competency in 45 units (24 core units and 21 elective units) to successfully complete this course.

The duration of the course for a learner may change if RPL or Credit Transfer is applicable.

### RECOGNITION OF PRIOR LEARNING AND CREDIT TRANSFER

The underlying principle of Nationally Recognised Training is that a learner does not have to repeat training and assessment that has already been undertaken.

SC has a Recognition of Prior Learning (RPL) and Credit Transfer Policies and Procedures and can be found at SC's website, which outlines in detail a process to be followed for granting recognition and credit transfer.

Where a learner is successful in the RPL or Credit Transfer (CT) application, the units to be undertaken and course duration will be adjusted accordingly.

## COURSE FEE

- Tuition Fee: AUD 30,000
- Material Fee: 3,000
- Application / Registration Fee: AUD 250 (Non-refundable)
- RPL Fee: AUD 500 per unit

**Note:** Students will be provided the option of Easy Monthly Instalments. Students are advised contact the Institute in relation to the updated and recent fees for the course. Course fee is subject to change.

## Terms and Conditions:

- SC will strive to maintain highly competitive fair and reasonable fee structures.
- SC adjusts its fees and charges from time to time. Changes to fees will be fairly and equitably applied, advertised and clearly indicate the date from which the change will take effect.
- SC provides details of course fees in all course information.
- SC will ensure these fees are applied and communicated to clients prior to enrolment.
- In accordance with the Standards for RTOs 2015, SC adopts the following to protect fees paid in advance:
  - Flexible payment arrangements/ options will accommodate individual circumstances.
  - Fees must be paid in full before certification will be issued.
  - Acceptable payment options can be made via credit card, direct debit, and EFT remittance to accommodate the diverse financial situations of clients.

## COURSE STRUCTURE

The course duration has been calculated on 20 hours per week (104 weeks in total) of Training and Assessment which includes 84 weeks of Face-to-Face class room and simulated environment delivery and 20 weeks of Term Breaks. All students are expected to give few hours per unit as Self-Directed Study.

As per package rules, 45 units must be completed. These include 24 core units and 21 elective units.

## Core Units

UEECD0003	Apply industry and community standards to engineering activities
UEECD0004	Apply material science to solving electrotechnology engineering problems
UEECD0005	Apply physics to solving electrotechnology engineering problems
UEECD0007	Apply work health and safety regulations, codes and practices in the workplace
UEECD0010	Compile and produce an energy sector detailed report
UEECD0014	Develop design briefs for electrotechnology projects
UEECD0026	Manage risk in electrotechnology activities
UEECD0036	Provide engineering solutions for problems in complex multiple path circuits
UEECD0039	Provide solutions to basic engineering computational problems
UEECD0044	Solve problems in multiple path circuits
UEECD0046	Solve problems in single path circuits
UEECD0056	Apply methods to maintain currency of industry developments
UEECD0059	Write specifications for electrical engineering projects
UEECD0064	Interpret, produce and modify electrotechnology drawings

UEEEL0015	Manage large electrical projects
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
UEEEL0058	Plan large electrical projects
UEEEL0062	Provide engineering solutions to problems in complex polyphase power circuits
UEEEL0077	Evaluate and report on the performance of LV machines
UEEEL0079	Plan and analyse LV electrical apparatus
UEEEL0080	Plan and analyse wiring systems, circuits, control and protection for electrical installations
UEERE0013	Develop strategies to address environmental and sustainability issues in the energy sector

## **Elective Units**

BSBOPS203	Deliver a service to customers
BSBST502	Facilitate continuous improvement
BSBTWK502	Manage team effectiveness
UEECD0019	Fabricate, assemble and dismantle utilities industry components
UEECD0051	Use drawings, diagrams, schedules, standards, codes and specifications
UEECO0015	Provide quotations for installation or service jobs
UEECD0030	Prepare electrotechnology/utilities drawings using manual drafting and CAD equipment and software
UEECD0031	Prepare engineering drawings using manual drafting and CAD for electrotechnology applications
UEECS0033	Use engineering applications software on personal computers
UEEEL0016	Provide advice on effective and energy efficient lighting products
UEEIC0047	Use instrumentation drawings, specifications, standards and equipment manuals
UEECD0024	Implement and monitor energy sector WHS policies and procedures
UEECO0001	Estimate electrotechnology projects
UEEEL0007	Develop detailed electrical drawings
UEECD0032	Produce detailed electrotechnology/utilities drawings using CAD equipment and software
UEECO0014	Prepare tender submissions for electrotechnology projects
UEEEL0006	Develop detailed and complex drawings for electrical systems using CAD systems
UEECD0002	Analyse static and dynamic parameters of electrical equipment
UEECD0012	Contribute to risk management in electrotechnology systems
UEECO0003	Manage contract variations
UEEEC0005	Assess electronic apparatus compliance

## **COURSE COMMENCEMENT**

Please contact SC for the intake dates.

## **ASSESSMENT METHODS**

Each unit is delivered and assessed as a standalone unit. Assessment comprises written assignments, activities and projects. Students are required to attend training and assessment activities as scheduled.

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 may include:

- Knowledge Questions
- Demonstration
- Role-play
- Projects

- Case studies

## RESOURCES / MATERIALS

This program takes place in a classroom environment with access to a simulated environment where required. Practical learning and assessment take place in a simulated environment. The simulated facilities are equipped with all the required resources and equipment.

Students will be provided with access to the following resources required to complete the qualification successfully upon enrolment:

- Units' Notes
- Student Workbooks and Resources
- PowerPoint Slides and Handouts
- Computers with Office Suite and appropriate software
- Relevant documentation and resources according to the units' training packages

## COMPLETION

Upon successful completion of this course, students will receive a nationally recognised UEE62122 - Advanced Diploma of Engineering Technology – Electrical qualification. Students who do not complete all units may be eligible for a Statement of Attainment for partial completion.

Unless the learner him/herself is exempt, a valid Unique Student Identifier is must for the issuance of the qualification or statement of attainment. For more assistance, please visit <https://www.usi.gov.au> or contact the institute.

## COURSE DELIVERY LOCATION

The training delivery location is Level 1, Suite 109, 425 Docklands Dr, Docklands VIC 3008, Australia.