



Certificate IV in Electrical – Photovoltaic systems

This course provides licensed electricians with the skills to design, install, set up, test, fault find, repair and maintain grid-connected photovoltaic systems and associated solar equipment. Attendees at the end of this course will be able to apply to become an Accredited Designer and Installer with Clean Energy Council Australia. The course is designed for qualified Electricians with a current electrical licence. You will be required to complete additional work in your own time on top of your face to face attendance to achieve this Certificate.

Pre-Requisites:

It is essential that anyone undertaking this skill set already holds the Competency Standard Unit:

UEENEEG105A Verify compliance and functionality of low voltage general electrical installations

OR

A current unrestricted electrical licence issued in an Australian State or Territory.

Ideally, all applicants will have over two years of relevant industry experience

which will be qualified through phone interviews pre-admission. Exceptions may be made in consultation with site supervisors.

Course Duration:

Ten days on campus (plus additional work in your own time)

Course Dates:

Brisbane - Rocklea Campus

Please select the following link for course dates

<http://www.electrogroup.com.au/new-course-dates-2018/2019>

Rockhampton Campus

TBA

Course Fee:

\$499 co-contribution fee*

\$199 concessional co-contribution fee*

\$6,800 full fee for funding non-eligible students

**This course is funded by the Queensland Government Higher Level Skills program which is a component of Certificate 3 Guarantee and concessions may be available for eligible students at the time of enrolment. To find out more*

visit <https://www.qld.gov.au/education/training/subsidies/pages/higher.html> for eligibility requirements

Program fact sheets

3. Higher Level Skills RTO fact sheet [PDF, 289KB](#)
4. Higher Level Skills employer fact sheet [PDF, 287KB](#)
5. Higher Level Skills student fact sheet [PDF, 288KB](#)

Concession

You are eligible for the concession price of a course if you meet the eligibility requirements under the subsidised costing and:

- hold or are listed on an Australian Government Low Income Health Care Card or Pensioner Concession Card
- are Aboriginal or Torres Strait Islander
- have a disability.

You will need to provide evidence at the time of enrolment.

[Sign up now](#)

[Training Enrolment Form \(NON FUNDED\)](#)

[What competencies will be delivered in the course?](#)

Core Units

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

UEENEEE137A Document and apply measures to control OHS risks associated with electrotechnology work

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

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

UEENEEG105A Verify compliance and functionality of low voltage general electrical installations

UEENEEG106A Terminate cables, cords and accessories for low voltage circuits

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

UEENEEG063 Arrange Circuits, control and protection for general electrical installations

UEENEEE038B Participate in development and follow a personal competency development plan

UEENEEG171A Install, set up and commission interval metering

UEENEEK125A Solve basic problems in photovoltaic energy apparatus and systems

UEENEEK135A Design grid connected photovoltaic power supply systems

UEENEEK145A Implement and monitor energy sector environmental and sustainable policies and procedures

UEENEEK148A Install, configure and commission LV grid connected photovoltaic power systems

UEENEEE117A Implement and monitor energy sector OHS policies and procedures

UEENEEE124A Compile and produce an energy sector detailed report

Electives

UEENEEC001B Maintain documentation

UEENEEC002B Source and purchase material/parts for installation or service jobs

UEENEEED101A Use Computer applications relevant to a workplace

UEENEEC003B Provide quotations for installation or service jobs

UEENEEG122A Conduct compliance inspection of single phase LV electrical installations

UEENEEG123A Conduct compliance inspection of LV electrical installations with demand exceeding 100 A per phase

*Students will complete with a Certificate and statement of attainment