

# UEE40420 Certificate IV in Electrical – Instrumentation

## DESCRIPTION

This qualification covers competencies to select, install, commission, fault find and maintain equipment and systems for the control of plant, machines, and processes.

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

## ELIGIBILITY/ENTRY REQUIREMENTS

To ensure you have the right skills and support to succeed in your course, a Language, Literacy and Numeracy (LL&N) evaluation helps identify any areas where you may need additional support to help you achieve your goals.

To gain entry into the UEE40420 Certificate IV in Electrical – Instrumentation candidates require:

- Completion of a 3<sup>rd</sup> year apprenticeship in UEE30820 Certificate III in Electrotechnology Electrician  
or
- Hold an unrestricted A-Grade Electrical License

Students holding the UEE30811 Certificate III in Electrotechnology - Electrician will need to be transitioned to the UEE30820 Certificate III in Electrotechnology - Technician prior to entry into the UEE40420 Certificate IV in Electrical - Instrumentation via a combination of credit transfer, gap analysis, and RPL conducted by the VET lecturers.

Students are to present a copy of their current qualifications to determine eligibility.

## DELIVERY DETAILS

Location(s)	Duration*	Study mode
Casuarina	2 years Part-time 1 year Full-time  3 x 1 week blocks	Face-to-face and workplace training.

\* Duration will vary depending on how long a student takes to reach the required competency level.

## FEES

Fee Type	2025 Course Fees
NT Government Supported*	\$1,628.00 - \$1,850.00
Full Fee	\$6,010.40 - \$6,830.00

\*This course is supported by the NT Government for domestic eligible students who are NT residents. A limited number of NT Government supported places are available, so secure your place now.

Fees shown are indicative and subject to change annually. Actual course fees may vary depending on the units chosen. International non-student visa-holders; study eligibility needs to be verified before enrolment. Fees may vary depending on the visa type. The course fee rates will vary for commercial contract arrangements.

For further clarification and information on fees, fee exemptions, payment options, instalment plans, and refunds, contact CDU on 1800 061 963 or refer to [TAFE Fees and Payments](#).

## ASSESSMENT

Assessments vary with each unit. You will be provided with an assessment guide.

## RECOGNITION OF PRIOR LEARNING (RPL)

RPL is a process that determines whether the skills, knowledge and experience you have gained through your previous study, work or life experience can count towards a vocational training qualification at CDU. For more information, refer to [VET RPL](#).

## RESOURCES

Students are provided with learning materials and activities for self-paced learning. The recommended textbook for further reading is provided to each student on a USB drive.

## STUDY AND CAREER PATHWAYS

Further training pathways from this qualification include but are not limited to the UEE50220 Diploma of Electrical & Instrumentation (not available through CDU) On completion of this qualification, credit(s) may be available into Higher Education courses.

Possible occupations relevant to this qualification include:

- Electrician (Special Class)
- Instrumentation and Control Technician

## QUALIFICATION CONTENT

To achieve a UEE40420 Certificate IV in Electrical – Instrumentation, a total of **440** weighting points must be completed comprising **320** core weighting points plus **120** general elective weighting points as detailed in the packaging rules and listed below.

**The total weighting points** for the sequence listed below is **440**.

CORE UNITS		POINTS
UEECD0010	Compile and produce an energy sector detailed report	60
UEECD0024	Implement and monitor energy sector WHS policies and procedures	20
UEECD0027	Participate in development and follow a personal competency development plan	20
UEEIC0038*	Solve problems in density/level measurement components and systems	40
UEEIC0039*	Solve problems in flow measurement components and systems	40
UEEIC0041*	Solve problems in pressure measurement components and systems	40
UEEIC0043*	Solve problems in temperature measurement components and systems	40
UEEIC0047*	Use instrumentation drawings, specifications, standards and equipment manuals	40

UEERE0015	Implement and monitor energy sector environmental and sustainable policies and procedures	20
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ELECTIVE UNITS (select a minimum of 120 weighting points)		POINTS
UEECO0002	Maintain documentation	20
UEECD0011	Comply with scheduled and preventative maintenance program processes	20
UEEIC0021*	Find and rectify faults in process final control elements	40
UEEIC0022*	Install instrumentation and control apparatus and associated equipment	20
UEEIC0023*	Install instrumentation and control cabling and tubing	20
UEEIC0026*	Provide solutions to fluid circuit operations	60

Note: Units marked with \* have Pre-requisite requirements

Please note: Other units of competencies are available for credit transfer (CT) and/or recognition of prior learning (RPL).

### WITHDRAWING FROM A QUALIFICATION

You may withdraw from this qualification and receive, where relevant, a Statement of Attainment for all units of competency you have successfully completed.

### SUPPORT SERVICES

The University supplies support for students in many areas, including Accommodation, Careers and Employability, Counselling, Disability Services, Student Advocacy, Indigenous Tutorial Support Services, International Student Support Services, Library Services, and VET Learner Support Services.

More information is available at [Student Support](#).

### CONTACT DETAILS

Electrotechnology and Plumbing

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 T. 08 8946 7505 (CAS) 08 8959 5465 (ASP)  
 W. <https://www.cdu.edu.au/study/essentials>

For further information regarding student life at CDU, please refer to <https://www.cdu.edu.au/study/student-life>.