HELLO THERE, OUR DREAM IS TO HELP YOU MAKE GREAT HAPPEN

Apprenticeship training

Electricians capable of working on process control instrumentation equipment and systems are in demand. When you complete this dual-trade course you will be skilled to work in multiple disciplines and have the technical requirements to apply for an electrical licence to work on mains-powered equipment in addition to instrumentation.

LOCATION/S

Eagle Farm

DURATION

Workplace/TAFE: up to 5 years

Entry requirements

Students must be employed as an apprentice and have a signed Registered Training Contract, stating TAFE Queensland SkillsTech.

Important Information

Year 12 graduates: start...

...more online

Resources required

Personal protective equipment:

- safety glasses - students must wear these at all times

...more online

Accurate as at 18 October 2017. For the latest information see:
tafeskilltech.edu.au/course/11099

RTO 0275
CRICOS 03020E
Outcome

On successful completion of this course you receive a UEE30811 - Certificate III in Electrotechnology Electrician (Instrumentation and Control/Electrical (dual apprenticeship) stream) qualification.

Job prospects

- Electronic Instrument Trades Worker (General)

Units

The successful achievement of this qualification requires you to complete all units listed on your individual training plan.

Foundation

- UEEENED101A Use computer applications relevant to a workplace  Elective
- UEEEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace  Mandatory
- UEEENEEK142A Apply environmentally and sustainable procedures in the energy sector  Mandatory

Stage 1A

- UEEEEE102A Fabricate, assemble and dismantle utilities industry components  Mandatory
- UEEEEE105A Fix and secure electrotechnology equipment  Mandatory
- UEEEEE104A Solve problems in d.c. circuits  Mandatory

Stage 1B

- UEEENEG101A Solve problems in electromagnetic devices and related circuits  Mandatory
- UEEEEE107A Use drawings, diagrams, schedules, standards, codes and specifications  Mandatory
- UEEENEG106A Terminate cables, cords and accessories for low voltage circuits  Mandatory

Stage 2A

- UEEENEG102A Solve problems in low voltage a.c. circuits  Mandatory
- UEEENEG006A Solve problems in single and three phase low voltage machines  Mandatory

Stage 2B

- UEEENEG063A Arrange circuits, control and protection for general electrical installations  Mandatory
- UEEENEG033A Solve problems in single and three phase low voltage electrical apparatus and circuits  Mandatory
- UEEENEG108A Trouble-shoot and repair faults in low voltage electrical apparatus and circuits  Mandatory

Stage 3A

- UEEENEG109A Develop and connect electrical control circuits  Mandatory
- UEEENED104A Use engineering applications software on personal computers  Elective
- UEEEEE116A Assemble, enter and verify operating instructions in microprocessor equipped devices  Elective
- UEEENEE150A Develop, enter and verify discrete control programs for programmable controllers  Elective

Stage 3B

- UEEENEG107A Select wiring systems and cables for low voltage general electrical installations  Mandatory

Family of qualifications (General Stream): UEE30811 - Certificate III in Electrotechnology Electrician

ELECTRONIC INSTRUMENT TRADES WORKER (GENERAL) - Electronic Instrument Trades Worker (General)

Job prospects

- Electronic Instrument Trades Worker (General)

Units

The successful achievement of this qualification requires you to complete all units listed on your individual training plan.

Recognition of prior learning

Got the skills? Get Recognised! Our RPL Assessors can assess and recognise your experience, skills and knowledge, against your desired qualification. Meaning you can get the paper to prove you're qualified a whole lot sooner.


Make your future happen

Connect with TAFE on Facebook

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RTO 0275
CRICOS 03020E
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Requirement</th>
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</thead>
<tbody>
<tr>
<td>UEEEEE103A</td>
<td>Install low voltage wiring and accessories</td>
<td>Mandatory</td>
</tr>
<tr>
<td>UEEEEE104A</td>
<td>Install appliances, switchgear and associated accessories for low voltage electrical installations</td>
<td>Mandatory</td>
</tr>
<tr>
<td>UEEEEE137A</td>
<td>Document and apply measures to control OHS risks associated with electrotechnology work</td>
<td>Mandatory</td>
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<tr>
<td>Stage 4A</td>
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<tr>
<td>UEEEEE105A</td>
<td>Verify compliance and functionality of low voltage general electrical installations</td>
<td>Mandatory</td>
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<tr>
<td>UEEEEE020B</td>
<td>Participate in electrical work and competency development activities</td>
<td>Mandatory</td>
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<tr>
<td>Stage 4B</td>
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<tr>
<td>UEEEEE101A</td>
<td>Use instrumentation drawings, specification, standards and equipment manuals</td>
<td>Mandatory</td>
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<tr>
<td>UEEEEE102A</td>
<td>Solve problems in pressure measurement components and systems</td>
<td>Mandatory</td>
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<tr>
<td>UEEEEE103A</td>
<td>Solve problems in density/level measurement components and systems</td>
<td>Mandatory</td>
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<tr>
<td>UEEEEE104A</td>
<td>Solve problems in flow measurement components and systems</td>
<td>Mandatory</td>
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<tr>
<td>UEEEEE105A</td>
<td>Solve problems in temperature measurement components and systems</td>
<td>Mandatory</td>
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<tr>
<td>UEEEEE107A</td>
<td>Install instrumentation and control cabling and tubing</td>
<td>Mandatory</td>
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<tr>
<td>UEEEEE108A</td>
<td>Install instrumentation and control apparatus and associated equipment</td>
<td>Mandatory</td>
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<tr>
<td>UEEEEE111A</td>
<td>Find and rectify faults in process final control elements</td>
<td>Mandatory</td>
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<tr>
<td>Stage 5</td>
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<tr>
<td>UEEEEE116A</td>
<td>Set up weighting measuring and control instruments</td>
<td>Elective</td>
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<tr>
<td>UEEEEE131A</td>
<td>Set up gas analysis measuring and control instruments</td>
<td>Elective</td>
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<tr>
<td>UEEEEE132A</td>
<td>Set up water analysis measuring and control instruments</td>
<td>Elective</td>
</tr>
<tr>
<td>UEEEEE133A</td>
<td>Set up scientific analysis measuring and control instruments</td>
<td>Elective</td>
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<tr>
<td>UEEEEE106A</td>
<td>Set up and adjust PID control loops</td>
<td>Elective</td>
</tr>
<tr>
<td>UEEEEE110A</td>
<td>Set up and adjust advanced PID process control loops</td>
<td>Elective</td>
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<tr>
<td>UEEEEE113A</td>
<td>Setup and configure Human-Machine Interface (HMI) and industrial networks</td>
<td>Mandatory</td>
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<tr>
<td>UEEEEE112A</td>
<td>Verify compliance and functionality of instrumentation and control installations</td>
<td>Mandatory</td>
</tr>
<tr>
<td>UEEEEE024B</td>
<td>Participate in instrumentation and control work and competency development activities</td>
<td>Mandatory</td>
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</tbody>
</table>

Disclaimer

Please note prerequisites / corequisites exist for this unit. For more information contact the Client Service Centre on 1800 654 447. For a full description of this course visit the [Training Website](http://tafeskillstech.edu.au/course/11099).