



# New Zealand Certificate in Electrical Engineering Theory (Level 3) - TTAF funded



Location Dunedin  
Duration One year full-time  
Delivery On campus

Credits 120  
Level 3  
Start February  
Apply Now

## Domestic fee: Free!

Due to the Government's Targeted Trades and Apprenticeship Fund.

- > You will still need to pay for any additional course-related costs such as textbooks or protective footwear (see more info in Additional Costs section).
- > You can pay for this yourself or apply for a loan/allowance via Studylink.

## International fee: \$23,400 plus compulsory student levy >

\*Fees are approximate, subject to change and exchange rates



Want to enter the electrical industry but not sure where to start?

This project-based qualification will provide you with the knowledge and skills to enter employment in the electrical industry. If you want to become an electrician, this is the ideal pre-apprentice preparation. Upon successful

completion of this Level 3 certificate, you will need to enter an apprenticeship agreement and complete the New Zealand Certificate in Electrical Engineering Theory and Practice (Trade) (Level 4) which is also available at Otago Polytechnic.

Alternatively, you may gain employment in non-registration areas of this industry such as electronic security, appliance servicing and automation. There is the opportunity for progression and promotion within these areas with further study and/or industry exams.

Otago Polytechnic is the only provider of this Level 3 certificate in the Otago region and our lecturers have strong industry connections. Benefit from their expertise and experience and enjoy the chance to gain a theoretical knowledge by undertaking practical, hands-on work.

### Entry requirements

- > You must have achieved the New Zealand Certificate in Educational Achievement (Level 2) in mathematics, English, and physics or general science, OR equivalent qualifications.
- > As part of the selection procedure you will be required to undertake an interview.
- > International students will be individually assessed to ensure they meet the entry requirements. [Click here](#) for your country's equivalent academic entry criteria.
- > If English is not your first language, you must provide
  - > New Zealand University Entrance OR

- > Overall Academic IELTS 5.5 with no individual band score lower than 5.5 (achieved in one test completed in the last two years), OR
- > Acceptable alternative evidence of the required IELTS (see here for NZQA proficiency table and here for list of recognised proficiency tests).

If you need to improve your English Language skills, we offer a wide range of English programmes.

**Please note:** You **must** hold a current First Aid Certificate before you can be awarded this qualification. If you do not attend or do not pass the first aid course as part of this programme, you will need to attend a first aid course at your own expense prior to programme completion.

#### Recognition of prior learning

If you have extensive knowledge and skills due to practical experience in this area, enquire about our recognition of prior learning process at Capable NZ. You may have already gained credits towards this qualification.

#### Selection procedure

Applicants are accepted using the entry criteria on a first-come, first-in basis with places limited to no more than 24. Should the number of applicants exceed the available places, applicants will be placed on a waiting list in order of the date they applied. All applicants will be interviewed.

#### You will study

This programme provides the electrical industry with people who have introductory knowledge of safe electrical installation, testing, commissioning, and servicing of electrical installations and equipment. It provides pre-entry foundation knowledge of electrical engineering and is suitable for those who wish to enter the industry but do not yet have an electrical apprenticeship agreement.

Upon successful completion of this qualification, you will have an operational and theoretical knowledge of electricity production, distribution, and utilisation, and will be able to carry out a limited range of prescribed electrical work safely and ethically under supervision in accordance with the Electricity Act 1992.

#### Qualification structure

All courses within this qualification are compulsory.

SMS Code	Course title	Level	Credits
Semester one			
ET3050	Electrical Work Practices	3	15
ET3020	D.C. Fundamentals	3	15
ET3070	Electricity Systems	3	15
ET3060	Electricity Supply and Distribution	3	15
Semester two			
ET3080	Installation Fundamentals	3	15
ET3030	Electrical Applications	3	15
ET3010	Circuit Design and Operation	3	15
ET3040	Electrical Machines	3	15
Total credits			120

#### Your workload

You will be expected to complete up to 30 hours of contact time at the Polytechnic and up to 15 hours of additional self-directed study per week. 100 hours of work experience will also be needed. Usual timetable hours are Monday to Friday, 8.00am - 5.00pm, with Friday work experience.

#### Further study options

- > New Zealand Certificate in Electrical Engineering Theory and Practice (Trade) (Level 4)
- > New Zealand Diploma in Engineering - Electrical Engineering
- > Bachelor of Engineering Technology

#### Additional costs

You are required to provide your own personal stationery, calculator and safety footwear. It would also be an advantage to have a laptop to bring to class or at least a PC available. It is highly recommended you have the following set of four textbooks:

- > Electrical Principles for the Electrical Trades (Volume one and two), and
- > Electrical Wiring Practice (Volume one and two).

These can be purchased at the University Bookshop for approximately \$329.50.

You will be required to purchase an electrical tool set for approximately \$220.00 during the first week of the programme.

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#### Student loans and allowances with TTAF

Whilst this programme is free for you to study via the Trades and Apprenticeship Fund (TTAF), this fund only covers tuition fees and compulsory costs such as student levies. It does not cover any additional costs or living costs. You can pay for additional and living costs by yourself if that is possible for you or by applying for a loan or allowance through Studylink.

It is important to apply for your student loan/allowance at the same time as you apply for this programme, due to the length of time Studylink take to process. Loan/allowance applications can be cancelled at any time if you decide to withdraw your programme application or if it is unsuccessful.

- > For information about student loans and allowances please visit the Studylink website

Please note: Student loans and allowances and TTAF are for domestic students only.

#### Disclaimer

While every effort is made to ensure that this sheet is accurate, Otago Polytechnic reserves the right to amend, alter or withdraw any of the contained information. The fees shown in this document are indicative ONLY. Both domestic and international fees are subject to change and are dependent on the development and implementation of Government policies. Please note that additional fees may from time to time be required for external examination, NZQA fees and/or additional material fees.



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