

Electrical Engineering Level 3

Leading to the New Zealand Certificate in Electrical Engineering Theory (Level 3)

Wintec code:	TC1702	MoE:	NZ2387
Level:	3	Credits:	120
Owner:	Centre for Trades	Effective Date:	January 2018

These regulations should be read in conjunction with the Institute's Academic Regulations.

1. Admission and Entry

1.1 General Academic Admission

Candidates are required to have gained:

- a) The New Zealand Certificate in Educational Achievement (NCEA) Level 1 with a minimum of 80 credits at Level 1 or above, including:
 - i) 10 credits in Numeracy; **and**
 - ii) 10 credits in Literacy; **and**
 - iii) Any number of credits in General Science; **or**
- b) Equivalent qualification.

1.2 Special Admission

Domestic applicants aged 20 years or above who have not met the General Academic Admission or entry requirements for a programme but whose skills, education or work experience indicate that they have a reasonable chance of success may be eligible for Special Admission. Special Admission will be granted at the discretion of the Centre Director or designated nominee. Such applicants may be required to successfully complete a foundation, bridging or tertiary introductory programme as a condition of entry into higher level programmes.

1.3 Provisional Entry

Domestic applicants aged under 20 years who have not met the General Academic Admission and entry criteria for a programme but who can demonstrate a reasonable chance of success through other educational attainment and/or work or life experience may be eligible for Provisional Entry at the discretion of the Centre Director or designated nominee. Provisional Entry places restrictions on re-enrolment to be lifted if the applicant's performance is deemed satisfactory by the Centre Director or designated nominee.

1.4 Selection Criteria

Candidates may be required to participate in an interview process.

1.5 English Language Requirements

Candidates who have English as a second language are required to have an International English Language Test System (IELTS) score of 5, with no individual band score lower than 5; or equivalent.

2. Transfer of Credit

2.1 100% transfer of credit is available for this programme (both formal transfer of credit and recognition of prior learning).

3. Programme Requirements

3.1 Every candidate for the Electrical Engineering Level 3 programme shall to the satisfaction of the Academic Board follow a programme of study for a period of normally not less than one year.

3.2 Each candidate's programme will comprise all modules as listed in Section 6 of these regulations, totalling a minimum of 120 credits.

3.3 As some of the practical components within this programme are considered high risk, students will be required to submit to an initial drug screen, and may be required to submit to further drug screening if there is reasonable cause to suspect a student is under the influence of drugs or alcohol, as per Wintec's Drug & Alcohol Policy (OP-16/04)

4. Completion of the Programme

4.1 A candidate may take up to four years to complete this programme, unless an extension is granted by special permission of the Centre Director, or designated equivalent.

5. Award of the Qualification

5.1 Candidates who successfully complete the requirements of this programme will be eligible for the award of the New Zealand Certificate in Electrical Engineering Theory (Level 3).

6. Schedule of Modules

Note: no value in the pre/co-requisite columns means there are no pre/co-requisites for that module.

Module Code	Module Name	Level	Credits	Pre-Requisites	Co-Requisites	Assessment Standard
ELEC301	Electrical Work Practices	3	14			N/A
ELEC302	Direct Current (DC) Fundamentals	3	15			N/A
ELEC303	Electrical Installations	3	15			N/A
ELEC304	Electrical Applications	3	15			N/A
ELEC305	Alternating Current (AC) Fundamentals	3	15			N/A
ELEC306	Electricity Supply and Distribution	3	15			N/A
ELEC307	Circuit Design and Operation	3	15			N/A
ELEC308	Electrical Machines	3	15			N/A
ELEC309	Electrical Theory and Practice	3	1	ELEC301- ELEC308		29484