

New Zealand Certificate in Electronic Security (Level 4)

Course Outline

If you are looking to start a career in the electronic security industry, then this is a good starting point for you. It's also a great next step if you already hold the NZC in Electrotechnology (Level 3).

By gaining this qualification, you'll be able to supervise staff on mid to large sized projects in the electronic industry, create electronic security solutions for your clients as well as provide site-wide leadership, and manage relationships with stakeholders.

Learners doing the certificate in Electronic Security also have the option to enrol in one of the following additional strands:

- Electrical Appliance Serviceperson (endorsed)
- Electrical Installer

Topics covered for trainees of NZC Electronic Security Level 4:

- Professional and technical knowledge for emerging and converging technologies
- Advanced health & safety
- Installation of cable support systems
- Theory of electronic security system design
- Theory and development of data networking to support electronic security systems
- Advanced application of stakeholder engagement principles
- Diagnosis and repair of faulty electronic security systems
- Developing solutions for electronic security intruder alarm systems

Compulsory topics for people doing the optional **Electrical Appliance Serviceperson (endorsed) strand**

- Knowledge and practical application for EWRB registration as an electrical appliance serviceperson EAS (endorsed)
- Servicing electrical or electronic goods

Compulsory topics for people doing the optional **electrical installer strand**

- Servicing electrical or electronic goods
- Theory and practice for registration of electrical workers
- Knowledge and theory for EWRB registration for electrical installer or electrician

Course Structure

Part-Time: 3 years (2 years if you already hold the NZC in Electrotechnology (Level 3))

Blended Learning: This course is made up of both online theory learning and practicals. There are 15 modules in total. Learners will use naturally occurring evidence from the workplace (like job cards and service reports) verified by the supervisor or manager.

Intakes: Course intakes occur monthly from February through to November.

Block courses: Learners doing the optional EASQ strand, or Installer strand will have block courses in their third year of study.

EASQ (EWRB licence)	Installer (EWRB licence)
1 day Safety Training for TLC	1 day Safety Training for TLC
1 week block course	Regulations and Theory courses are each 1-week block courses delivered virtually from Monday to Friday (8.30am to 4.30pm) or 10-night sessions over 10 weeks from 5.15pm to 9.15pm (100% attendance required).
1 day Competence Programme	The Stage 1,2,3 practical is delivered at the E-tec campus (Auckland) from Monday to Friday (8.30am to 4.30pm). <i>Please note that travel and accommodation are not covered by ICE.</i>
	1 day Competence Programme

Learners can sit their exam at any Aspeq centre.

Workplace Verification

Businesses who employ a learner on this course will look after their on-job practical work. Each piece of work needs to be verified by a workplace verifier. This is someone within the business who has appropriate experience and can verify that the work being submitted is true, accurate, and performed by the learner.

For the EASQ and Installer strand, a current EWRB practising license, is also required. The primary responsibility of an electrical supervisor when supervising a trainee is to take all practicable steps to ensure that:

- the work is carried out competently
- while the work is being undertaken, appropriate safety measures are adopted
- the completed work is performed in accordance with the requirements of the Electricity Act 1992 and the Electricity (Safety) Regulations 2010 *where appropriate*

ICE and E-tec are here to help

We are dedicated to helping each of their learners succeed. Students can join online tutorials or contact their tutor over the phone, video conference or by email for assistance.

Qualification

Graduates of the Core only will be awarded the New Zealand Certificate in Electronic Security (Level 4).

Graduates of the EASQ strand will be awarded the New Zealand Certificate in Electronic Security with optional strand in Electrical Appliance Serviceperson (Endorsed) (Level 4).

Graduates of the Installer strand will be awarded the New Zealand Certificate in Electronic Security with optional strand in Electrical Installer (Level 4).

Graduates of the EASQ or Installer strand will be eligible to be registered and licensed as an Electrical Appliance Serviceperson (endorsed to disconnect and connect) (EAS endorsed) or Electrical Installer.

Prerequisite Requirements

- 16 years or above
- Employed in the Electronic Security industry in NZ
- Have a training agreement with employer
- Must hold a valid Resident Visa, Permanent Resident Visa or hold New Zealand Citizenship
- Have an electrical supervisor if undertaking the optional strand

Course Costs

Fees do apply to this course which is \$51.90 GST inclusive per week.

Check if you are eligible for Fees Free here: [Eligibility criteria \(feesfree.govt.nz\)](https://www.feesfree.govt.nz/)

Check if you are eligible for the Government funded Apprenticeship Boost.

<https://www.workandincome.govt.nz/employers/subsidies-training-and-other-help/apprenticeship-boost/index.html>

Course Enrolment

Enrolments are collected through ICE trading as E-tec by Lafo Siaosi Opa on Lafos@etec.ac.nz or 021 873 183.

Enquiries

For any enquiries please contact:

Lafo Siaosi Opa
Lafos@etec.ac.nz
021 873 183

Or call our office on:
0800 030 500
www.etec.ac.nz

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Year 1

Unit Standard	Title	Level	Credit	Off Job	On Job	
27911	Demonstrate knowledge of workplace safety in an electrotechnology or telecommunications environment	3	10	✓		
30647	Apply safe working procedures and practices in an electrotechnology environment and identify and control special hazards	3	5			
30652	Demonstrate knowledge of legislation, codes of practice, and Standards as applied to electronic security	3	5	✓		
27912	Demonstrate knowledge of electrical principles in an electrotechnology or telecommunications environment	2	15	✓		
5881	Demonstrate knowledge of electronic security devices	3	5	✓		
26841	Demonstrate knowledge of electronic security systems and equipment	3	10	✓		
27910	Demonstrate and apply knowledge of stakeholder engagement in an electrotechnology or telecommunications environment	3	5	✓		
Any three of	5890	Install electronic security intruder alarm and control systems	3	8		✓
	5891	Install electronic security access control systems	3	7		✓
	5892	Install electronic security surveillance systems	3	7		✓
	30653	Install electronic security intercom equipment and systems	3	7		✓

Year 2

Unit Standard	Title	Level	Credit	Off Job	On Job
30642	Demonstrate knowledge of specialist equipment used in electronic repairs	3	5	✓	
30644	Demonstrate basic knowledge of diagnostics and fault finding for service and installation technicians	3	5	✓	
30650	Diagnose, service, and repair basic extra-low voltage and low voltage customer premises systems	3	10		✓
31593	Professional and technical knowledge for emerging and converging technologies	4	5	✓	
28881	Enhance workplace safety and mitigate environmental impacts in an electrotechnology or telecommunications environment	4	10	✓	
5893	Install electronic security cable support systems and cables	3	10	✓	
31603	Read, interpret, and update drawings and plans used in electronic security system installations	4	3		✓
31598	Demonstrate knowledge of electronic security system design	4	10	✓	
31595	Demonstrate and apply knowledge of data networking to support electronic security systems and services	4	10	✓	
31597	Develop data networking solutions to support electronic security systems	4	10		✓
28882	Apply stakeholder engagement principles and techniques in an electrotechnology or telecommunications environment	4	7		✓

Year 3- Core

Unit Standard	Title	Level	Credit	Off Job	On Job
31602	Demonstrate knowledge of electronic security fault location and diagnostics	4	5	✓	
31594	Diagnose and repair faulty electronic security systems	4	20		✓
31596	Develop solutions for electronic security intruder alarm systems	4	10		✓
31599	Develop solutions for electronic security access control systems	4	10		✓
31600	Develop solutions for electronic security surveillance systems	4	10		✓
31601	Develop solutions for electronic security intercom systems	4	10		✓

Option A - Electronic Security Level 4 – Serviceperson Option

Unit Standard	Title	Level	Credit	Off Job	On Job
27352	Demonstrate knowledge of supervision of trainees undertaking prescribed electrical work	4	2	✓	
27350	Demonstrate knowledge of theory and legislation for registration of electrical appliance servicepersons (endorsed)	3	3	✓ EWRB Exam	
30645	Demonstrate practical application of theory and legislation for electrical appliance servicepersons (endorsed)	3	3	✓	
30646	Demonstrate knowledge of electrical theory and legislation for electrical appliance servicepersons EAS (endorsed)	3	7	✓	
22763	Service electrical or electronic goods	4	15		✓

Option B - Electronic Security Level 4 – Electrical Installer Option

Unit Standard	Title	Level	Credit	Off Job	On Job	
27352	Demonstrate knowledge of supervision of trainees undertaking prescribed electrical work	4	2	✓		
1702	Demonstrate knowledge of, and apply electrical legislation, New Zealand Codes of Practice, and Standards	4	8	✓ EWRB Exam		
One of	27353	Demonstrate knowledge of theory for registration of electrical installers	3	3	✓ EWRB Exam	
	21766	Demonstrate knowledge of theory for registration of electricians	4	3	✓ EWRB Exam	
29749	Demonstrate and apply knowledge of theory and practice for registration of electrical workers (stage 1)	4	2	✓ EWRB Practical		
29753	Demonstrate and apply knowledge of theory and practice for registration of electrical workers (stage 2)	4	2	✓ EWRB Practical		
29754	Demonstrate and apply knowledge of theory and practice for registration of electrical workers (stage 3)	4	3	✓ EWRB Practical		