



INTERNATIONAL
COLLEGE *of* AUCKLAND



NZ DIPLOMA IN ENGINEERING

(Electronics Engineering Strand)

Level

6

Credits

240

Duration

2 Years

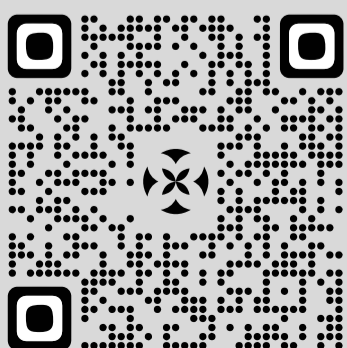
Intake

Feb / July

Further Study Pathway

Students can apply for

Bachelors of Engineering Technology



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Overview

The New Zealand Diploma in Engineering (Electronics) (Level 6) is a nationally recognized qualification designed for individuals passionate about electronics, technology, and innovative solutions. This two-year program provides a comprehensive foundation in electronic engineering principles, combining theoretical knowledge with practical skills to prepare students for dynamic roles in the industry.

Graduates of the programme will be capable of operating at a technician level scope of practice as outlined by the Dublin Accord (International Engineering Alliance, 2002)

Common Compulsory

DE4101 Engineering Fundamentals

DE4102 Engineering Mathematics 1

DE4103 Technical Literacy

DE4401 Electrical Principles

DE5405 Computer Programming 1

DE5408 Introduction to Networks OR
DE5423 – CAD - Computer Aided Drawing

DE4402 Electrical and Electronic Applications

DE5403 Electronic Principles

DE5414 Electronic Manufacturing 1

DE6412 Computer Programming 2

DE6101 Engineering Management

Electronics Electives (Level 6)

DE5407 – Electronics 1

DE5406 – Microcontrollers 1

DE6402 – Electronics 2

DE6417 – Microcontrollers 2

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Career Opportunities

Career Opportunities for NZDE
(Electronic Engineering) Graduates

Electronics Technician
Computer Hardware Technician
Engineering Technician
Electronics Engineer
Graduate Engineers

Entry Requirements

NCEA Level 2*, and

A minimum total of 48 credits at level 2 in four subjects including at least 12 credits in mathematics (preferably achievement standards in algebra, calculus or trigonometry), or

equivalent qualifications (e.g., International Baccalaureate or Cambridge), or

equivalent credits from appropriate trades training and/or demonstrated skills and experience * including a minimum of 10 literacy credits at level 1 or higher (for those who achieved NCEA Level 2 before 2013).

Language Requirements In addition to meeting the minimum entry criteria, those applicants for whom English is a second language (including international students) must meet the IELTS overall language requirement: Overall Band Score (Academic) of 6.0 IELTS, with no individual score less than 5.5, or equivalent

2 Years

Full-time: 2 years

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