

Mechanical Engineering Level 5

Leading to the New Zealand Certificate in Mechanical Engineering (Advanced) (Level 5)

Wintec code:	TC1802	MoE:	NZ2716
Level:	5	Credits:	70
Owner:	Centre for Trades	Effective Date:	January 2018

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

1. Transition Arrangements

- 1.1 There is an underpinning principle in the application of these transition regulations that no student will be disadvantaged by these arrangements;
- 1.2 This programme is replacing TE1010 – the National Certificate in Mechanical Engineering (Level 5);
- 1.3 All students enrolling for the first time in 2018 must enrol in the new Mechanical Engineering Level 5 programme leading to the New Zealand Certificate in Mechanical Engineering (Advanced) (Level 5);
- 1.4 Students currently enrolled in the National Certificate (TE1010) can seek advice from the Group Director, or designated nominee, and may be able to transition across to the new Mechanical Engineering Level 5 programme (TC1802) effective January 2018; **or**
- 1.5 Will need to complete the requirements of the National Certificate (TE1010) by 31 December 2019.

2. Admission and Entry

2.1 General Academic Admission

Candidates are required to have gained one of the following qualifications:

- a) New Zealand Certificate in Mechanical Engineering (Trade) (Level 4) with strands in Fitting and Machining, General Engineering, Machining, Maintenance Engineering, Metal Forming, and Toolmaking [Ref: 2714]; **or**
- b) New Zealand Certificate in Engineering Fabrication (Trade) (Level 4) with strands in Heavy Fabrication, Light Fabrication, and Steel Construction [Ref: 2719]; **or**
- c) New Zealand Certificate in Mechanical Building Services (Trade) (Level 4) [Ref: 2717]; **or**
- d) New Zealand Certificate in Refrigeration and Air Conditioning (Trade) (Level 4) [Ref: 2366]; **or**
- e) Another recognised New Zealand Level 4 engineering-related qualification; **or**
- f) Equivalent skills and knowledge.

2.2 Selection Criteria

- a) Candidates must be in employment and be working in a mechanical engineering, construction, manufacturing or fabrication environment with access to relevant equipment, systems and processes.
- b) Candidates may be required to participate in an interview process.
- c) To meet legal and health requirements, candidates must be physically able to carry out the practical components of the programme.

2.3 English Language Requirements

Candidates who have English as a second language are required to have an International English Language Test System (IELTS) score of 5.5, with no individual band score lower than 5; or equivalent.

3. Transfer of Credit

3.1 100% transfer of credit is available for this programme (both formal transfer of credit and recognition of prior learning).

4. Programme Requirements

4.1 Every candidate for the Mechanical Engineering Level 5 programme shall to the satisfaction of the Academic Board follow a programme of study for a period of normally not less than 18 months.

4.2 Each candidate's programme will comprise all modules as listed in Section 7 of these regulations, totalling a minimum of 70 credits.

5. Completion of the Programme

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

6. Award of the Qualification

6.1 Candidates who successfully complete the requirements of this programme will be eligible for the award of the New Zealand Certificate in Mechanical Engineering (Advanced) (Level 5).

7. 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
MECH501	Health and Safety Legislation	5	10			N/A
MECH502	Workplace Operations and Technical Skills	5	40			N/A
MECH503	Quality Management Systems	5	10			N/A
MECH504	Application of New Technologies	5	5			N/A
MECH505	Training and Mentoring for Success	5	5			N/A