

# Programme Regulations for:

## Industrial Measurement and Control (Theory) Level 4

Leading to the award of the New Zealand Certificate in Industrial Measurement and Control (Theory) (Level 4)

Wintec code:	NZ2301	MoE:	NZ2252
Level:	4	Credits:	155
Owner:	Centre for Trades	Effective Date:	January 2023

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 the TE1601 - National Certificate in Industrial Measurement and Control (Level 4) programme;
- 1.3 All students enrolling for the first time in semester 1, 2023 must enrol into the Industrial Measurement and Control (Theory) Level 4 programme;
- 1.4 Students enrolled on the TE1601 programme in 2023:
  - a) who **have** completed all requirements of the first year of study will enrol in the second year of that programme. No transition to the second year of the New Zealand Certificate programme will be available until semester 1, 2024;
  - b) who **have not** completed all requirements of the first year of study must complete them before the end of semester 1, 2024, or, in consultation with the Centre Director/Team Manager or designated equivalent, they may transition to this new programme;
- 1.5 Students enrolled on the TE1601 programme who complete all year two requirements in 2023, **with the exception of the core electronic modules IMCT316 and IMCT317**, must complete the electronic modules IMCT316 and IMCT317 by the end of 2024.
- 1.6 The last date of assessment for the TE1601 programme is 31 December 2022 and any students enrolled on that programme must complete it by that date or transition to this new programme.

### 2. Admission and Entry

- 2.1 Candidates can gain entry to this programme by meeting one of the following criteria:
  - a) Based on NZ high school achievement (secondary school study):
    - 40 credits at NCEA Level 2; including 10 Literacy credits at NCEA Level 2; 10 Numeracy credits at NCEA Level 1; and 14 credits in a Science subject at NCEA Level 2; or
    - a recognised equivalent; **or**
  - b) Based on study completed at a NZ tertiary institution
    - A relevant qualification at NZQF Level 2; or
    - A recognised equivalent qualification; or
    - Equivalent knowledge, skills and experience.

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## 2.2 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. Selection Criteria

3.1 All applicants not meeting the requirements of section 2 Admission and Entry will be interviewed for suitability for the programme. Should spaces in the programme become limited, selection will be based on:

- Academic history;
- Prior relevant qualifications gained.

## 4. Transfer of Credit

4.1 100% transfer of credit is available for this programme (both formal transfer of credit and recognition of prior learning).

## 5. Programme Requirements

5.1 Candidates enrolled on the Industrial Measurement and Control (Theory) Level 4 programme shall to the satisfaction of the Academic Board follow a programme of study for a period of normally not less than two years part time study.

5.2 Each candidate's programme will comprise all modules as listed in Section 6 of these regulations, totalling a minimum of 155 credits.

5.3 Candidates are required to complete IMC431 as a pre-requisite for all first year modules.

5.4 Candidates are required to complete IMC435 as a pre-requisite for all second year modules.

## 6. Completion of the Programme

6.1 Candidates may take up to five years to complete this programme, unless an extension is granted by special permission of the Centre Director, or designated equivalent.

## 7. Award of the Qualification

7.1 Candidates who successfully complete the requirements specified in clause 3.2 of this programme will be eligible for the award of the New Zealand Certificate in Industrial Measurement and Control (Theory) (Level 4).

## 8. 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	
IMCT431	Core Process Measurement 1	4	15			
IMCT432	Core Process Measurement 2	4	15	IMCT431		
IMCT433	Core Process Measurement 3	4	15	IMCT432		
IMCT434	Core Process Measurement 4	4	15	IMCT433		
IMCT435	Control Principles 1	4	16	IMCT431, IMCT432, IMCT433, IMCT434		
IMCT436	Control Principles 2	4	16	IMCT435		

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Module Code	Module Name	Level	Credits	Pre-Requisites	Co-Requisites	
IMCT437	Control Principles 3	4	16	IMCT431, IMCT432, IMCT433, IMCT434		
IMCT511	Advanced Control 1	5	17	IMCT437		
IMCT512	Advanced Control 2	5	15	IMCT435, IMCT436, IMCT437		
IMCT513	Advanced Control 3	5	15	IMCT435, IMCT436, IMCT437		