

Programme Regulations for:

Applied Science 5

(Level 5)

Leading to the New Zealand Diploma in Applied Science (Level 5)

Wintec code:	SX1709	MoE:	NZ2552
Level:	5	Credits:	120
Owner:	Centre for Applied Science and Primary Industries	Effective Date:	January 2020

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

1. Admission and Entry

1.1. 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
 - New Zealand Certificate in Applied Science (Level 3)(Ref:2550); or
 - A relevant qualification at NZQF Level 3; or
 - A recognised equivalent qualification; **or**
- c) Based on Discretionary Entrance

Applicants who do not meet any of the entry options stated above, and think they have what it takes to complete this programme, can apply for 'Discretionary Entrance'. The application is based on the applicant's ability to demonstrate a likelihood to succeed in the programme. The decision is at the discretion of the Head of School/Centre Director or their delegate. The ability to progress into further study depends on how successful the applicant is within the programme they apply and are accepted into under 'Discretionary Entrance'.

1.2 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 in the academic band, with no individual band score lower than 5.0; **or** equivalent.

2. Transfer of Credit

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 Applied Science 5 programme shall to the satisfaction of the Academic Board follow a programme of study for a period of normally not less than two semesters.
- 3.2 Each candidate's programme of study shall comprise the six compulsory modules as listed in Group A, section 6 of these regulations; **and** a minimum of two elective modules as listed in Group B; totalling a minimum of 120 credits.

4. Completion of the Programme

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

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5. Award of the Qualification

Candidates who successfully complete the requirements of this programme will be eligible for the award of the New Zealand Diploma in Applied Science (Level 5).

6. Schedule of Modules

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

Group A: Compulsory Modules:

Module Code	Module Name	Level	Credits	Pre-Requisites	Co-Requisites
SCIE501	Professional Skills in Applied Science 5	5	15		
SCIE502	Practical Skills for Applied Science	5	15		
CHEM501	Chemistry for Applied Science	5	15		
BIOL501	Biology for Applied Science	5	15		
MICR501	Microbiology for Applied Science	5	15		
CHEM502	Organic Chemistry for Applied Science	5	15		

Group B: Elective Modules:

Module Code	Module Name	Level	Credits	Pre-Requisites	Co-Requisites
SCIE401	English for Applied Science	4	15		
PHYS501	Physics for Applied Science	5	15		
FSCB501	Food & Nutrition for Applied Science	5	15		
SCIE504	Environmental Issues	5	15		
FSCB601	Food Microbiology for Applied Science	6	15	MICR501	
CHEM601	Analytical Chemistry for Applied Science	6	15	CHEM501 SCIE502	
SCIE601	Sensory Evaluation for Applied Science	6	15		
FSCB602	Food Chemistry for Applied Science	6	15	CHEM501 CHEM502	
SCIE602	Environmental Assessment for Applied Science	6	15	CHEM501 CHEM502 BIOL501 MICR501	
SCIE603	Quality Assurance and Statistics for Applied Science	6	15		
SCIE604	Molecular Methodologies for Applied Science	6	15	BIOL501; CHEM502	
ECOL601	Ecology for Applied Science	6	15	BIOL501	
SCIE605	Conservation and Biosecurity for Applied Science	6	15	ECOL601	

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Module Code	Module Name	Level	Credits	Pre-Requisites	Co-Requisites
SCIE606	Process Engineering for Applied Science	6	15	PHYS501	
	Any other approved 15 credit module	5 or 6	15		