

New Zealand Diploma in Applied Science (Level 6)

(Level 6)

Leading to a New Zealand Diploma in Applied Science (Level 6)

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|---------------------|--|------------------------|--------------|
| Wintec code: | NZ2553 | MoE: | NZ2553 |
| Level: | 6 | Credits: | 120 |
| Owner: | Centre for Applied Science and Primary Industries | Effective Date: | January 2024 |

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) NCEA Level 2, (including 30 credits in science (including chemistry) and 10 Literacy credits and 10 Numeracy credits);
or
- b) New Zealand Diploma in Applied Science (Level 5);
or
- c) Relevant equivalent;
or
- d) 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 6 in the academic band, with no individual band score lower than 5.5; or equivalent.

2. Transfer of Credit

- 2.1 100% 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 New Zealand Diploma in Applied Science (Level 6) shall to the satisfaction of the Academic Board follow a programme of study for a period of normally not less than one year.

3.2 Each candidate's programme will comprise all modules as listed in Section 6 of these regulations, totaling a minimum of 120 credits.

4. Completion of the Programme

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

5. Award of the Qualification

5.1 Candidates who successfully complete the requirements of this programme will be eligible for the award of the New Zealand Diploma in Applied Science (Level 6).

6. Schedule of Modules

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

| Module Code | Module Name | Level | Credits | Pre-Requisites |
|--|--|-------|---------|----------------|
| Compulsory courses | | | | |
| NSCI6101 | Applied Science Workplace Legislation | 6 | 15 | |
| NSCI6102 | Applied Science Work Placement 1 | 6 | 15 | NSCI6101 |
| NSCI6103 | Applied Science Investigation Project | 6 | 15 | |
| Plus five electives from the following courses | | | | |
| NSCI6104 | Project Management for Applied Science | 6 | 15 | |
| NSCI6105 | Advanced Biochemistry for Applied Science | 6 | 15 | |
| NSCI6106 | Environmental Assessment for Applied Science | 6 | 15 | |
| NSCI6107 | Quality Statistics for Applied Science | 6 | 15 | |
| NSCI6108 | Project Design and Analysis in Applied Science | 6 | 15 | |
| NSCI6109 | Analytical Chemistry for Applied Science | 6 | 15 | |
| NSCI6110 | Food Microbiology for Applied Science | 6 | 15 | |
| NSCI6111 | Food Chemistry for Applied Science | 6 | 15 | |
| NSCI6112 | Sensory Evaluation for Applied Science | 6 | 15 | |
| NSCI6113 | Molecular Methodologies for Applied Science | 6 | 15 | |
| NSCI6114 | Conservation and Biosecurity for Applied Science | 6 | 15 | |
| NSCI6115 | Process Engineering for Applied Science | 6 | 15 | |
| NSCI6116 | Wine Science | 6 | 15 | |

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| NSCI6117 | Advanced Culture Techniques for Applied Science | 6 | 15 | |
| NSCI6118 | Applied Science Work Placement 2 | 6 | 15 | |
| NCSI6119 | Ecology for Applied Science | 6 | 15 | |
| NCSI6120 | Biomolecules for Applied Science | 6 | 15 | |
| NSCI6121 | Process Engineering | 6 | 15 | |
| NSCI6122 | Molecular Components of Living Organisms | 6 | 15 | |
| NSCI6123 | Molecular Genetics | 6 | 15 | |
| NSCI6124 | Computer Applications for Technology | 6 | 15 | |
| NSCI7101 | Applied Project | 6 | 15 | NSCI6108 |