

Advanced Horticultural Trades

(Level 4)

Leading to the New Zealand Certificate in Horticulture Services (Level 4) [2674-3]

with strands in: Amenity, Arboriculture, Landscape Design and Landscape Construction

Wintec code:	SX1703	MoE:	NZ2674
Level:	4	Credits:	60 - 130
Owner:	Centre for Applied Science and Primary Industries	Effective Date:	July 2024

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

1. Transition Arrangements

- a. There is an underpinning principle in the application of these transition regulations, that no existing student will be disadvantaged by these arrangements;
- b. Version 1 of the New Zealand Certificate in Horticultural Services (Level 4) [2674-1] expires on 31 December 2024. The last date for assessment for this version is 31 December 2024.
Any students who do not complete version 1 of the qualification can seek advice and will be given an opportunity to apply for transfer of credit towards version 3. A matrix will be used to assess and compare achievement of learning outcomes.

2. Admission and Entry

2.1 General Academic Admission

- a) Candidates wishing to enrol on the Amenity strand of this qualification will be required to attend an interview to discuss eligibility .
- b) Candidates wishing to enrol on the Arboriculture strand of this qualification must have completed the New Zealand Certificate in Horticulture (Level 3) with Arboriculture strand, or equivalent qualifications or work experience to similar level.
- c) Candidates wishing to enrol on the Landscape Construction strand of this qualification must have the New Zealand Certificate in Horticulture (Level 3)

Programme Regulations for:

with Landscape Construction strand, or equivalent qualifications or work experience to similar level.

- d) For candidates wishing to enrol on the Landscape Design strand of this qualification it is recommended that they have the New Zealand Certificate in Horticulture (Level 3) with Landscape Construction strand, however, they can gain entry to this strand by meeting one of the following criteria:
- i) Based on NZ high school achievement (secondary school study):
 - 40 credits at NCEA Level 1 including 10 Literacy credits and 10 Numeracy credits; or
 - a recognised equivalent; **or**
 - ii) 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

2.2 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'.

2.3 Selection Criteria

- a) Candidates without relevant qualifications may be required to participate in an interview and selection process. The following may be considered in the selection process:
- 1) The completion of a Study Skills Assessment to demonstrate the level of academic skill necessary to successfully complete the programme.
 - 2) Previous experience working in the horticulture sector. May include previous employment, voluntary work.
 - 3) Personal qualities such as responsibility, teamwork and practical skills.
 - 4) An aptitude for working in a public environment demonstrated through a reference from an employer where a candidate has worked with the public, or from a teacher attesting to social skills.
 - 5) Candidates wishing to enrol on the Arboriculture strand must have completed the following unit standards: 6400, 6401, 6402, 1668, 2768, 2767, 6916, 6917 and 20574.
 - 6) As some of the practical components within this programme are considered high risk, students may be required to submit to an initial drug screen as per Wintec's Drug & Alcohol Policy (OP-16/04).

Programme Regulations for:

- b) To meet legal and health requirements, candidates must be physically able to carry out the practical components of the programme, including the ability to perform practical demonstrations and assessments.
- c) Candidates with disabilities are eligible to enroll in this programme and will be provided with the necessary resources to attain the learning outcomes where practicable, but at the time of enrolment must notify the Equity/Disability Co-ordinator of their needs.
- d) Some delivery maybe at locations which require arboriculture students to undertake a police check.

2.4 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.

3. Transfer of Credit

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 Advanced Horticultural Trades programme shall to the satisfaction of the Academic Board follow a programme of study for a period of normally not less than one semester.
- 4.2 Each candidate's programme will comprise all modules as listed in their chosen strand (Amenity, Arboriculture, Landscape Design or Landscape Construction) listed in Section 7 of these regulations, totalling the minimum of credits specified in that strand.
- 4.3 Candidates undertaking the Amenity strand of the Advanced Horticultural Trades programme will complete all modules listed in Table 7.1, Section 7 of these regulations totalling 130 credits.
- 4.4 Candidates undertaking the Arboriculture strand of the Advanced Horticultural Trades programme will complete all modules listed in Table 7.2, Section 7 of these regulations totalling 92credits.
- 4.5 Candidates undertaking the Landscape Design strand of the Advanced Horticultural Trades programme will complete all modules listed in Table 7.3, Section 7 of these regulations totalling 60 credits.

Programme Regulations for:

4.6 Candidates undertaking the Landscape Construction strand of the Advanced Horticultural Trades programme will complete all modules listed in Table 7.4, Section 7 of these regulations totalling 70 credits.

5. Completion of the Programme

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

6. Award of the Qualification

Candidates who successfully complete the requirements of this programme will be eligible for the award of the New Zealand Certificate in Horticulture Services (Level 4) with a strand in Amenity, Arboriculture, Landscape Design or Landscape Construction.

7. Schedule of Modules

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

Table 7.1 – Amenity strand

Module Code	Module Name	Level	Credits	Pre-Requisites	Co-Requisites	Assessment Standard
HORT437	Leading Projects in a Primary Industry Operation	4	10			1171 v10
HORT442	Describe, establish, and maintain plant collections.	4	10			21026 v5
HORT443	Select and plant plants, and apply mulches, in landscape work	3	3			31074 v2
HORT444	Describe, identify, and select plants for landscape work.	4	7			1676 v8
HORT445	Describe, assess, prune and train amenity trees and shrubs.	4	5			21032 v5

Programme Regulations for:

HORT446	Manage a defined amenity horticulture area.	4	20			24647 v2
HORT447	Describe amenity turf cultivars, and turf management.	4	5			30252 v2
HORT448	Describe sustainable soil management practices for a horticulture site.	4	5			30257 v2
HORT449	Seasonal amenity plan	5	25			30253 v2
HORT450	Examine, assess and revegetate indigenous plant communities.	4	10			21033 v5
HORT451	Use and maintain horticulture equipment.	4	10			22182 v2
HORT452	Prepare to apply and apply agrichemicals using handheld equipment.	4	5			27215 v3
HORT453	Horticulture records and reporting	4	15			2804 v5

Table 7.2 – Arboriculture strand

Module Code	Module Name	Level	Credits	Pre-Requisites	Co-Requisites	Assessment Standard
ARBO401	Visual Assessments	4	3			31189 v3
ARBO402	Identify and Present Trees	4	6			31190 v3

Programme Regulations for:

ARBO408	Tree Biology	4	5			32382 v1
HORT319	Chainsaw Maintenance	3	10			43 v9
HORT320	Soils and Plant Growth	3	6			22175 v3
HORT418	Advanced Felling	4	10			17258 v6
ARBO409	Tree Health	4	10			2773 v9
ARBO410	Tree Pruning	4	12		HORT425	2775 v10
HORT425	Tree Climbing	4	10			2774 v8
HORT426	Sectional Felling	4	10	HORT418 ARBO410 HORT425		25406 v4
HORT437	Leading Projects in a Primary Industry Operation	4	10			1171 v10

Table 7.3 – Landscape Design strand

Module Code	Module Name	Level	Credits	Pre-Requisites	Co-Requisites	Assessment Standard
LADE410	Garden Design Principles	4	10			
LADE402	Plants & Planting Design	4	20			
LADE403	Graphics	4	10			
LADE411	Computer Aided Garden Design	4	5			
LADE412	Garden Design Practice	4	15	LADE410 LADE403		

Table 7.4 - Landscape Construction strand

Module Code	Module Name	Level	Credits	Pre-Requisites	Co-Requisites	Assessment Standard
HORT437	Leading Projects in a Primary Industry Operation	4	10			1171 V10

Programme Regulations for:

LADE420	Site Preparation from Plans	4	11			22199 V2
LADE421	Timber planning and Construction	4	12			2442 V6
LADE422	Hard-surface planning and Laying	4	10			31082 V2
LADE423	Drainage preparation and laying	4	5			31085 V1
LADE424	Plant Identification and Landscape Selection	4	7			1676 V8
LADE425	Irrigation Installation	4	5			1020 V7
LADE426	Constructing Water Features	4	5			31083 V2
LADE427	Lighting Installation	4	5			1025 V7