

# STUDY HORTICULTURE IN NEW ZEALAND

## FRANKLIN INSTITUTE OF AGRI-TECHNOLOGY

### AUCKLAND (PUKEKOHE) and TAURANGA (Bay of Plenty)

#### NZ Certificate OR Diploma in Horticulture Production (Nursery Production)

(Approved and accredited by New Zealand Qualifications Authority)

#### DOMESTIC STUDENTS (NZ CITIZENS/PRS)

<b>DURATION</b>	<b>ONE YEAR: NZ Certificate in Horticulture Production L 4</b> <b>TWO YEARS: NZ Diploma in Horticulture Production L 5</b> Forty weeks (four quarters of 10 weeks/year) per year
<b>TIME REQUIRED:</b>	Three days (20 hours) on site, and 12-13 hours of directed self-study/week which includes 5-8 hours of workplace experience.
<b>START DATES</b>	First week of January, April, July, and October each year
<b>TOTAL CREDITS</b>	130 or 250 Credits (Nursery Production strand)
<b>FEE 2021</b>	ZERO FEE for eligible domestic students (NZ Citizens/PRS)

**ENTRY CRITERIA:** Applicants must:

- Be 17 years of age or above
- Have completed NCEA L2 or equivalent/above
- Be physically fit to complete practical aspects of the course
- Mature students (Aged 21 or above) with some work experience can be enrolled in NZ Diploma L 5 one year programme, directly.

**JOB PLACEMENT ASSISTANCE:** We assist students actively in job search and placement. So far nearly all our students are employed in relevant jobs with suitable visas. The major sectors are

- Nursery/Greenhouses,
- Garden centres,
- Landscaping,
- Commercial growers,
- Orchards etc.
- Greenkeepers
- Revegetation projects

For building your successful career in horticulture, please fill the form and send it to FIAT.

**Office: Jackie Clarke 09 236 37 38 or Dr Raj Saini: Mobile +64 27 278 2789**

Email [enquiry@fiat.ac.nz](mailto:enquiry@fiat.ac.nz) Website: [www.fiat.ac.nz](http://www.fiat.ac.nz) [www.agritech.ac.nz](http://www.agritech.ac.nz)

### Franklin Institute of Agri-Technology (FIAT)

LOCATION: 760 Glenbrook Road, Pukekohe, Auckland 2679

170 Wairoa Road, Wairoa, Tauranga 3171

FIAT is part of Rupex Growtech which has been operating successfully for 20 years in New Zealand

[www.rupex.co.nz](http://www.rupex.co.nz)

## PROGRAMME STRUCTURE

The programme will consist of 250 credits of learning in two parts.

Part One will cover the requirements for the New Zealand Diploma in Horticulture Production (Nursery Production) Year 1 and will consist of an orientation and 8 assessed modules (130 credits in total).

Part Two will cover the requirements for the New Zealand Diploma in Horticulture Production (Nursery Production) Level 5 Year 2 and will consist of 7 assessed modules (120 credits).

### NEW ZEALAND CERTIFICATE IN HORTICULTURE PRODUCTION L 4, OR NZ DIPLOMA IN HORTICULTURE PRODUCTION L 5 ( Two year Programme) YEAR 1

<b>Orientation</b>	Credits	0
The aim of the orientation is to help students understand the requirements of their programme, establish good study, work and health and safety habits and,		
<b>Module 412: Crop Production – Foundation</b>	Credits	15
The aim is to enable students to gain the core knowledge and skills required for producing crops.		
<b>Module 423: Crop monitoring and optimisation</b>	Credits	10
The aim is to enable students to gain knowledge and skills to assist in crop optimisation.		
<b>Module 425: Plant Propagation Techniques</b>	Credits	20
The aim is to enable students to use specialised plant propagation techniques for nursery crop production.		
<b>Module 426: Nursery Crop Production</b>	Credits	30
The aim is to enable students to grow nursery crops for commercial purposes.		
<b>Module 431: Plant pests</b>	Credits	12
The aim is to enable students to gain the core knowledge and skills required for protection of indoor crops from pests and diseases.		
<b>Module 432: Agri-chemicals</b>	Credits	13
The aim is to enable students to work safely with agri-chemicals.		
<b>Module 433: Plant Protection</b>	Credits	20
The aim is to enable students to learn the methods for outdoor plant protection from pests, diseases and other weed plants.		
<b>Module 451: Supervision and instruction</b>	Credits	10
The aim is to enable students to gain the knowledge and skills to enable them to successfully lead a team.		

### NZ DIPLOMA IN HORTICULTURE PRODUCTION L 5 ( Two year Programme) YEAR 2

<b>Orientation</b>	Credits	0
<b>Module 511: Nursery Crop Production Operations</b>	Credits	30
The aim is to enable students to develop the knowledge and skills for efficient nursery production operations, including selection of media and various forms of propagation, specialist equipment and record keeping.		
<b>Module 521: Production Planning</b>	Credits	15
The aim is to help students develop nursery production and quality control plan, manage implementation, review and make recommendations for better production and safe operations		
<b>Module 522: Growing Environment Management</b>	Credits	20
The aim is to help students plan and manage a nursery plant growing environment to achieve		

production goals and standards.		
<b>Module 531: Pest disease and weed control</b>	Credits	10
The aim is to help students develop applied understanding of plant pests, diseases, weeds and other pests, and the control options available for meeting safety, quality and traceability requirements		
<b>Module 532: Agrichemical Management</b>	Credits	10
The aim is to help students manage agrichemical risk management for safe use and minimum residual effects.		
<b>Module 533: Integrated Pest Management</b>	Credits	20
The aim is to help students develop, implement and review an Integrated Pest Management plan in nursery crop production.		
<b>Module 551: Leadership and Relationship Management</b>	Credits	15
The aim is to help students develop leadership and relationship management skills for working with team members, clients and stakeholders in the horticulture sector.		

It is FIAT's experience that many students undertake part-time work in the industry during the programme. FIAT expects this to continue and encourages relevant part-time work as:

- It supports the parallel learning in the study programme
- It increases the "work-readiness" of students and graduates
- It supports the horticulture industry at a time of severe skill shortage "

As a minimum, students are required to undertake part-time work in the industry for an average of 5 hours per week or gain industry-relevant practical experience through equivalent activities agreed by FIAT.

The programme is designed to enable graduates to work autonomously and apply their technical skills and knowledge to manage horticulture production operations to maximise effectiveness and productivity.

Throughout the year's programme, there will be continuous emphasis on workplace safety, quality and tractability, cultural sensitivities, and ethics in work place and social life.

Students will also be given options to study for 'Growsafe and Approved Handler certification' and 'Forklift driving license'. Students will be directed to registered and recognised external providers for this study.