

# Postgraduate Information Technology







'My supervisor was incredibly friendly and patient throughout my studies, especially during the completion of my final paper, helping me overcome any obstacles and motivating me to find innovative solutions. I am truly grateful for their dedication and hard work, as it has greatly benefited me and my future.'

# Helena



Master of IT

In 2020, Helena and her family made the move to Wellington from Changchun City, China. In 2023, Helena celebrated completing a Master of Information Technology after a year and a half of full-time study.

Helena's final paper, "A Systematic Literature Review on the Selenium-based Test Automation Framework (TAF) for Web Applications", was so highly applauded by her tutors that it was used as an example for other students.

Helena loved the friendly culture at Whitireia and is grateful for her supportive tutors. The COVID-19 lockdowns were a challenge, but Helena's tutors were able to be flexible. "Despite the challenges posed by the pandemic, we had regular online meetings."

"My supervisor was incredibly friendly and patient throughout my studies, especially during the completion of my final paper, helping me overcome any obstacles and motivating me to find innovative solutions.

I am truly grateful for their dedication and hard work, as it has greatly benefited me and my future."

When Helena first moved, she completed the New Zealand Certificate in English Language (Academic), which she says helped her immensely prior to starting the Master's programme.

In Changchun City, Helena worked at a local university. She heard about Whitireia and WelTec through an agent in China, but it was only after she checked it out online that she decided it was the place for her. Seeing Wellington described as New Zealand's "cool little capital" helped cement the decision for her and her family.






With two kids enjoying school and her husband working as a builder, Helena's family plans to stay in New Zealand. They enjoy the milder climate here compared to Changchun City, which can get down to temperatures of -25 celsius.

Helena's dream is to be a software developer. She is excited to take the next step in her journey, in New Zealand's technology sector.

Follow the QR code below to read the full story.



# Postgraduate Certificate in Information Technology

|   |  |
|---|--|
|  | Level 8  |
|  | 17 weeks, full-time, part-time options available |
|  | 07 Jul 2025 (Petone)                             |
|  | \$4,612 (indicative for 2025 intake)             |
|  | NZ \$14,300* (indicative for 2025 intake)        |

Take your skills to the next level with this postgraduate qualification. Work on a project in your chosen field and broaden your problem-solving abilities. Gain a mix of business and technological skills and head into the industry with a fresh perspective.

## What you will learn

The Postgraduate Certificate in Information Technology equips you with advanced skills in essential IT areas, preparing you for specialised roles in the industry. The programme offers flexibility in course selection, allowing you to tailor your studies to align with your career goals.

Throughout this programme you will:

- **Enhance Your Technical Expertise:** Focus on key IT areas such as network security, data analytics, software development, and systems architecture.
- **Engage in Practical Research:** Undertake research that examines the societal impact of IT, equipping you with the ability to analyse and solve complex problems.
- **Explore Ethical Perspectives:** Understand the ethical, social, and legal implications of IT, preparing you to tackle the challenges of today's IT landscape.

Elective options include:

- Advanced Multimedia Development
- Network Security and Digital Forensics
- Business Intelligence and Data Analytics
- Cyber Ethics and IT Governance
- Blockchain and Cryptocurrency
- Cloud Computing and ICT Infrastructure
- Mobile Application Development

- Machine Learning and Artificial Intelligence

This 60-credit, Level 8 qualification can be completed in one semester or over two trimesters, with part-time options available to suit your schedule.

## Study part-time

Are you looking to study part-time while you work or balance other commitments?

This programme includes part-time study options for people who want the flexibility of studying while they manage other commitments.

## Courses

### Compulsory courses: 15 credits at level 8

All courses are 15 credits unless stated otherwise.

[IT8101 - Research in Information Technology](#)

### Elective courses

All courses are 15 credits unless stated otherwise.

**IT8510** - Business Analysis for Information Technology

**IT8511** - Business Intelligence and Data Mining

**IT8512** - Cloud Computing and ICT Infrastructure

**IT8516** - Network Design and Management

**IT8517** - Network Security and Forensics

**IT8518** - Quality Assurance and Testing

**IT8519** - Systems Architecture and Technology Integration

**IT8520** - Special Topic in Information Technology

**IT8524** - Internship

**IT8526** - Advanced Project Management for Information Technology

**IT8527** - Cryptography and Security Mechanisms

**IT8528** - Cybersecurity

**IT8532** - Advanced Artificial Intelligence and Machine Learning

**IT8531** - The Ethics of Data and Artificial Intelligence

**IT8532** - Advanced Artificial Intelligence and Machine Learning

## Career options

- Security engineer
- Network manager
- Software developer

Disclaimer: The information contained in this document is correct at the time of print. Whitireia and WelTec | Te Pūkenga reserves the right to cancel or postpone any of the programmes, and shall not be liable for any claim other than the proportion of programme fees that the cancelled portion bears. Some programmes may be dependent upon formal approval from NZQA (New Zealand Qualifications Authority), TEC (Tertiary Education Commission) funding allocation, and the number of enrolments. As part of the NZQA targeted review of all Level 1-6 New Zealand qualifications, there may still be changes to some programmes starting in 2024. Fees, programmes, entry and selection criteria, and dates, are subject to change. Please check the relevant programme pages at [whitireiaweltec.ac.nz](http://whitireiaweltec.ac.nz) for up-to-date information and full entry regulations before applying to enrol. Information regarding English language requirements is available on each course page at [whitireiaweltec.ac.nz](http://whitireiaweltec.ac.nz).

- IT systems analyst
- Database manager

## Entry requirements

A bachelor's degree or equivalent in information technology or related subject or evidence of relevant skills and knowledge through appropriate work or professional experience.

### International Students

Minimum IELTS (academic) score of 6.5 with no band score lower than 6, or equivalent.

Find your country's [equivalent academic entry requirements here](#)

*\*For fee exclusions, please see our [terms and conditions](#).*

## Related study options

[Postgraduate Diploma in Information Technology](#)

[Master of Information Technology](#)

### Additional Information



### Course selection sheet



Disclaimer: The information contained in this document is correct at the time of print. Whitireia and WelTec | Te Pūkenga reserves the right to cancel or postpone any of the programmes, and shall not be liable for any claim other than the proportion of programme fees that the cancelled portion bears. Some programmes may be dependent upon formal approval from NZQA (New Zealand Qualifications Authority), TEC (Tertiary Education Commission) funding allocation, and the number of enrolments. As part of the NZQA targeted review of all Level 1-6 New Zealand qualifications, there may still be changes to some programmes starting in 2024. Fees, programmes, entry and selection criteria, and dates, are subject to change. Please check the relevant programme pages at [whitireiaweltec.ac.nz](http://whitireiaweltec.ac.nz) for up-to-date information and full entry regulations before applying to enrol. Information regarding English language requirements is available on each course page at [whitireiaweltec.ac.nz](http://whitireiaweltec.ac.nz).