

# Postgraduate Information Technology







# 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.

'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.'

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.



# Master of Information Technology

|   |  |
|---|--|
|  | Level 9  |
|  | 18 months, full-time (part-time options available) |
|  | 07 Jul 2025 (Petone)                               |
|  | \$9,602* (indicative for 2025 intake)              |
|  | NZ \$40,300* (indicative for 2025 intake)          |

Elevate your expertise and expand your knowledge base with hands-on research tailored to your passion. Dive into a wide range of cutting-edge topics, including data mining, cloud computing, business analysis, business intelligence, ICT infrastructure, information management, mobile application development, network design and management, security and forensics, quality assurance, and systems architecture. Choose the path that excites you and become a leader in your field.

## More detail about this qualification

The Master of Information Technology (MIT) requires the successful completion of a minimum of 180 credits from level 8 and level 9 courses.

There are three pathways for completing a Master of Information Technology.

All courses are 15 credits unless stated otherwise.

The following structure is proposed for the three available pathways:

## Pathways

### First Pathway - 90-Credit Thesis

This pathway provides in-depth knowledge of a topic in Information Technology and is suitable grounding work for higher studies at PhD level in New Zealand or overseas. The research produced can lead to scientific publication. This pathway enables the student to undertake significant independent research.

[IT8501 - Research in Information Technology - Online/Blended delivery](#)

[IT8502 - Research Proposal - Online/Blended delivery](#)

[IT9502 - Thesis \(90 credits\) - Online/Blended delivery](#)

Plus 60 credits from electives courses

### Second Pathway - 45-Credit Applied Research Project (ARP)

This pathway requires a shorter research report than the Thesis path and more course work.

[IT8501 - Research in Information Technology](#)

[IT8502 - Research Proposal](#)

[IT9501 - Applied Research Project \(45 credits\) - Online/Blended delivery](#)

Plus 105 credits from electives courses

### Third Pathway - Coursework-only option

The coursework-only pathway allows students to expand their knowledge of information technology through the courses taught. This option is ideal for those who prefer practical and theoretical coursework over independent research, enabling them to engage with advanced IT topics without completing a thesis or applied research project. Students following this pathway must complete 180 credits, selecting from Level 8 and Level 9 courses to tailor their study plan according to their career goals.

[IT8501 - Research in Information Technology—Online/Blended delivery](#)

Plus, 165 credits from elective courses from levels 8 and 9.

[To graduate from MIT with the coursework pathway, students must gain at least 45 credits at Level 9.](#)

## Elective Courses

- [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

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).

- **IT8528** - Cybersecurity
- **IT8532** - Advanced Artificial Intelligence and Machine Learning
- **IT8531** - The Ethics of Data and Artificial Intelligence
- **IT8532** - Advanced Artificial Intelligence and Machine Learning
- **IT9503** - Advanced Information Management and IT Solutions
- **IT9504** - Leadership in IT and Digital Organisations
- **IT9505** - Advanced Innovation and Design Thinking for IT
- **IT9506** - Integrated Industry Project

### MIT Pathways & FAQs



### Course Descriptions



## Entry requirements

### Domestic

A bachelor's degree or postgraduate qualification in information technology or related subject with at least a B grade average at Level 7 or 8, and be deemed to have the acquired skills and knowledge through relevant work or professional experience.

\*Domestic fee displayed is for 18-months, or 1.5 years of study (equivalent to 180 credits) but is subject to annual fee increases.

### 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](#)

*\*International fee displayed is for 1.5 years of study (equivalent to 180 credits). For fee exclusions, please see our [terms and conditions](#).*

### 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).