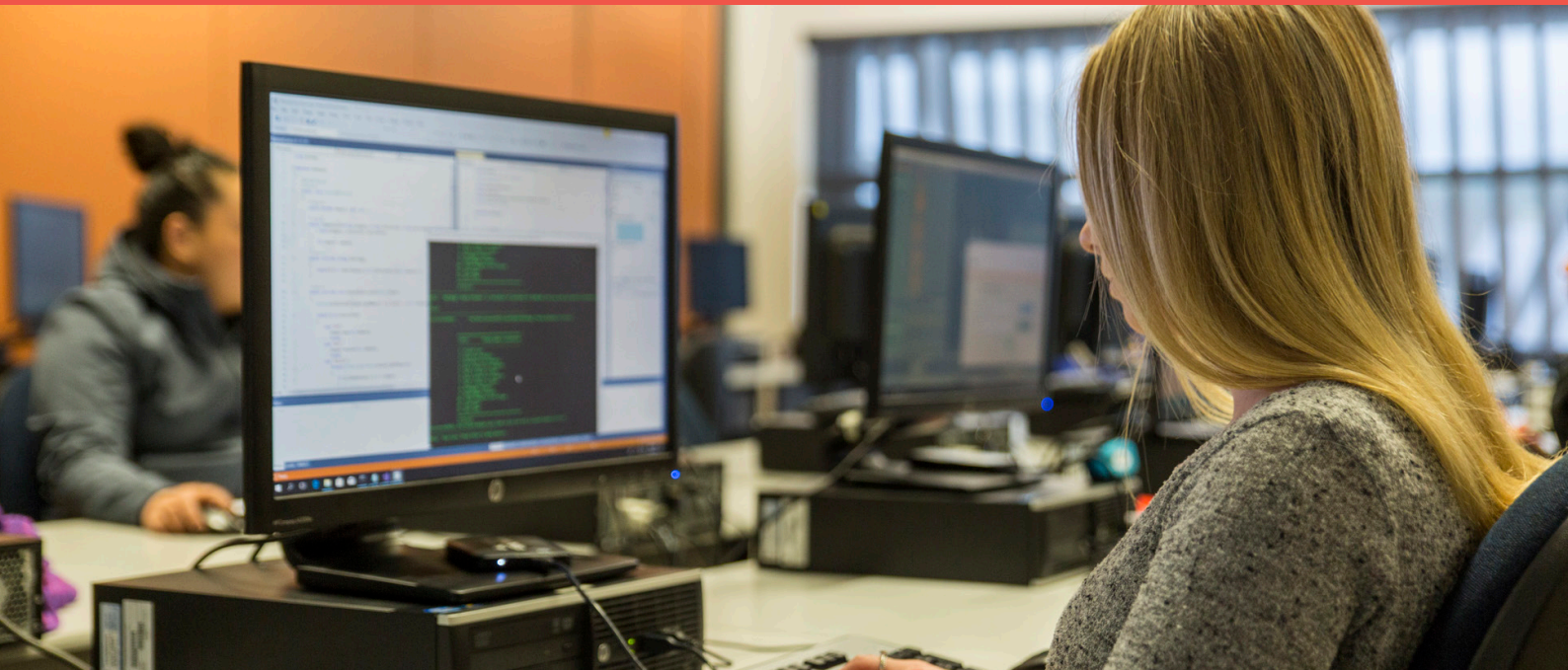




# Graduate Diploma in Information Technology



## Kia ora, Welcome!

The qualification prepares graduates for employment, having gained specialised knowledge and skills in IT. It provides graduates with the academic base required for further study and the ability to pursue a professional career in the IT industry. **Options in software and app development, systems design, testing, security, databases, networking, programming and information assurance.**

### ENTRY CRITERIA

Bachelor's degree in a relevant discipline or equivalent practical, professional or educational experience.

An applicant with a bachelor's degree in an unrelated discipline, may be granted entry at the discretion of the Programme Manager where it is considered that the applicant has a reasonable chance of succeeding in the qualification.

### ENGLISH LANGUAGE REQUIREMENTS

IELTS 6.0 Academic (with no band score lower than 5.5) or equivalent.

### GET IN TOUCH



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### **EDUCATION PATHWAY**

Graduates from the Graduate Diploma in Information Technology can progress to study towards the Postgraduate Certificate in Information Technology, Postgraduate Diploma in Information Technology or Master of Information Technology at Whitireia and WelTec or other similar programmes at tertiary organisations within New Zealand and internationally.

### **EMPLOYMENT PATHWAY**

Depending on the course set chosen by students, graduate opportunities include:

#### **Cyber Security**

Security analyst, security administrator, incident responder, information assurance analyst, security assessor/auditor, penetration tester, digital forensic technician/analyst, or other information/cyber security-related roles, including support roles such as service desk.

#### **Data Science**

Data scientist, business intelligence analyst, data management and analytics, database developer, marketing data analytics, systems analyst, business analyst, data warehouse developer, Business Intelligence reporting analyst, social media analytics, data analyst and reporting analyst.

#### **Interaction Design**

IT design practice lead, product designer IT, designer in emerging technologies, user experience IT communications lead, quality standards and customer feedback officer, user testing manager, IT test planning, user experience designer, user interface designer, user experience researcher, requirements lead, digital design and content manager, web manager, front-end web developer design integrator.

#### **Networking and Infrastructure**

Network engineer, systems engineer, systems engineer/cloud support, ICT support technician, cloud network engineer, infrastructure engineer, network support, network administrator, or service desk support.

#### **Software Development**

Full stack developer, web developer, analyst programmer, AI application developer, system test analyst / engineer, business analyst, net developer, software developer, mobile application developer, game developer, software engineer, system and software tester.

## COURSE STRUCTURE

**IT6502 Project Management** and **IT7501 Capstone Project** are compulsory courses, totalling **60 credits**. Students must complete **75 credits** at level 7, with a further **45 credits** at level 5, 6 or 7.

- **Capstone Project**  
IT7501, level 7, 45 credits, Compulsory
  - **Project Management**  
IT6502, level 6, 15 credits, Compulsory
  - **Digital Ethics**  
IT7502, level 7, 15 credits
  - **Information Security III**  
CS7501, level 7, 15 credits
  - **Special Topic in Cyber Security**  
CS7502, level 7, 15 credits
  - **Data Mining for Business Analytics**  
DS7501, level 7, 15 credits
  - **Data Warehouse Design and Implementation** DS7502,  
level 7, 15 credits
  - **Advanced Interface Technologies**  
ID7501, level 7, 15 credits
  - **Human Computer Interaction**  
ID7502, level 7, 15 credits
  - **Current topic in Networking and Infrastructure**  
NI7501, level 7, 15 credits
  - **Emerging topic in Networking and Infrastructure**  
NI7502, level 7, 15 credits
  - **Web Application Development**  
SD7501, level 7, 15 credits
  - **Intelligent Systems Development**  
SD7502, level 7, 15 credits
  - **Special Topic**  
IT7503, level 7, 15 credits
  - **Middleware**  
IT7504, level 7, 15 credits
  - **Embedded Systems II**  
IT7505, level 7, 15 credits
  - **Testing Automation**  
IT7506, level 7, 15 credits
  - **Carrier Technology II**  
IT7507, level 7, 15 credits
  - **Internship**  
IT7508, level 7, 30 credits
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- **Systems Analysis and Design**  
IT6501, level 6, 15 credits
  - **Information Security II**  
CS6501, level 6, 15 credits
  - **Linux System Administration**  
CS6502, level 6, 15 credits
  - **Digital Forensics**  
CS6503, level 6, 15 credits
  - **Cryptography and Blockchain Fundamentals**  
CS6504, level 6, 15 credits
  - **Social Data Analytics**  
DS6501, level 6, 15 credits
  - **Data Analysis and Visualisation**  
DS6502, level 6, 15 credits
  - **Data Mining Tools and Techniques**  
DS6503, level 6, 15 credits
  - **Business Intelligence and Big Data**  
DS6504, level 6, 15 credits
  - **Responsive Website Design**  
ID6501, level 6, 15 credits
  - **3D Environments**  
ID6502, level 6, 15 credits
  - **Advanced Interaction Design**  
ID6503, level 6, 15 credits
  - **User Interface and User Experience**  
ID6504, level 6, 15 credits
  - **Networking II – LAN**  
NI6501, level 6, 15 credits
  - **Networking III – Campus**  
NI6502, level 6, 15 credits
  - **Unified Infrastructure Services**  
NI6503, level 6, 15 credits
  - **Cloud Computing**  
NI6504, level 6, 15 credits
  - **Mobile Application Development**  
SD6501, level 6, 15 credits
  - **Programming II**  
SD6502, level 6, 15 credits
  - **Testing and Secure Coding**  
SD6503, level 6, 15 credits
  - **Game Development**  
SD6504, level 6, 15 credits
  - **Microcomputer Systems**  
IT6503, level 6, 15 credits
  - **Embedded Systems I**  
IT6504, level 6, 15 credits
  - **Advanced Software Testing**  
IT6505, level 6, 15 credits
  - **Carrier Technology I**  
IT6506, level 6, 15 credits
  - **Wireless Networking Technology**  
IT6507, level 6, 15 credits
  - **Research in IT**  
IT6508, level 6, 15 credits
  - **IT Business Environment**  
IT6509, level 6, 15 credits
  - **Unspecified credits**  
level 6, 15 credits
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- **Mathematics for IT**  
IT5501, level 5, 15 credits
  - **Communications for IT**  
IT5502, level 5, 15 credits
  - **Information Security I**  
IT5504, level 5, 15 credits
  - **Fundamentals of Data Science**  
IT5507, level 5, 15 credits
  - **Interaction Design Fundamentals**  
IT5505, level 5, 15 credits
  - **Introduction to Networking**  
IT5506, level 5, 15 credits
  - **Programming I**  
IT5503, level 5, 15 credits
  - **Electronics Fundamentals**  
IT5508, level 5, 15 credits
  - **Software Testing Fundamentals**  
IT5509, level 5, 15 credits
  - **Introduction to Operating Systems**  
IT5510, level 5, 15 credits
  - **Unspecified credits**  
level 5, 15 credits

## KEY INFORMATION



### Qualification

Graduate Diploma in Information Technology



### 2021 Start Dates

1 March, 12 July



### Campus

WelTec Petone, Whitireia Porirua



### Duration

1 Year



### NZQA Level

Level 7



### Credits

120 credits



### Fees

NZD 19,250 (excludes an additional annual fee of \$220 for administration and \$560 coverage under WelTec and Whitireia's default medical and travel insurance, provided by Uni-Care International)

## CONTACT US



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