

School of Information Technology

Certificate to Master Level
Industry Relevant Programmes

Diploma in Software Development



The Diploma in Software Development teaches relevant industry approved skills and knowledge in various application domains such as application development, web development, games development and mobile application development.



Diploma

Level 6 • 240 credits



Duration

2 year



Location

Auckland Central,
Wellington



Delivery

On campus



Next intakes

February, May, July,
October

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admissions@whitecliffe.ac.nz

Make your mark in the tech sector: become a software developer

Diploma in Software Development

Graduates of this programme will be able to

- Analyse and apply appropriate modelling tools, SDLC and HCI principles, to design and document software solutions in an organisational context
- Write and maintain complex programs using design patterns, data structures and algorithms
- Apply a range of software quality assurance techniques to verify correctness of systems
- Apply data management and storage technologies to support the software application and the development process to match the application domain
- Integrate security and privacy principles throughout software development to ensure application security and system integrity using current best practices
- Select, justify and apply architecture, patterns, services, technologies, and tools, to implement the software solution/s using current and emerging technologies
- Apply IT technical support concepts and practice to securely manage hardware, software and networking resources to support end users and meet security, ethical and organisational requirements
- Apply professional and ethical practices with integrity to meet the industry wide expectations of a responsible IT professional, in accordance with legal, regulatory and organisational requirements
- Apply communication, information design, teamwork, personal, and interpersonal skills, to enhance working efficiency and quality outcomes in an organisational environment.

Further study options

Level 7 Bachelor of Applied Information Technology

Career opportunities

- Mobile Application Developer
- Software Tester
- Junior Software Developer
- Front-end Web Developer
- Back-end Web Developer

