

Pathway Map for Christchurch Techtorium students

COMPUTER ENGINEERING & SOFTWARE DEVELOPMENT



| www.techtorium.ac.nz

SECONDARY SCHOOL COURSES FOR YEAR 12 & 13

Full-time tertiary studies at Techtorium

ICE Introduction to COMPUTER ENGINEERING

ICE CYBER SECURITY Level 3
10 credits

ICE CLOUD TECHNOLOGIES Level 3
9 credits

ICE SERVERS Level 4
9 credits

CODE Introduction to SOFTWARE DEVELOPMENT

CODE PROGRAMMING Level 3
9 credits

CODE GAMES Level 4
10 credits

CODE ARTIFICIAL INTELLIGENCE Level 4
10 credits

Launching in 2020!

L5 New Zealand Diploma
INFORMATION
TECHNOLOGY
TECHNICAL SUPPORT

1 year | 120 credits

- Term 1: IT Systems & Problem Solving
- Term 2: Networking Concepts
- Term 3: IT Desktop Support
- Term 4: Software Development

Career: IT Support Engineer
Salary average: \$46K-\$65K per year
(Source: Absolute IT, January 2018)

Launching in 2021

L6 New Zealand Diploma
SYSTEMS
ADMINISTRATION

1 year | 120 credits

- Term 1: Application, Desktop & Server Deployment
- Term 2: Server Setup & Configuration
- Term 3: Active Directory Management & Systems Administration
- Term 4: Advanced Server Management

Career: System Administrator
Salary average: \$66K-\$90K per year
(Source: Absolute IT, January 2018)

Launching in 2022

L7 Diploma
CLOUD
MANAGEMENT

1 year | 120 credits

- Term 1: Enterprise Server Infrastructure
- Term 2: Private Cloud Design & Deployment
- Term 3: Messaging with Microsoft Exchange
- Term 4: Cloud Services, Project Management

Career: Cloud Architect
Salary average: \$112K-\$140K per year
(Source: Absolute IT, March 2018)

Launching in 2020!

L5 New Zealand Diploma
INFORMATION SYSTEMS

1 year | 120 credits

Semester 1
Programming Principles 1 & Databases
Programming Principles 2 & Core IT skills

Semester 2
Web Development & Professionalism
Digital Asset Management & Business Analysis

Career: Junior Software Developer
Salary average: \$46K-\$75K per year
(Source: Payscale)

Career: Software Developer

Launching in 2021

L6 New Zealand Diploma
SOFTWARE DEVELOPMENT

2nd year | 120 credits

Semester 3
Software Release Management & Security
Mobile App & Game Development

Semester 4
Advanced Programming
Capstone Project & Emerging Technologies

Techtorium offers an opportunity to have a first diploma at Level 5 which will lead directly to the second year of our Level 6 NZ Diploma in Software Development.

Salary average: \$72K-\$140K per year
(Source: Absolute IT, March 2018)



EMPLOYMENT PATHWAYS

To help drive awareness of Information Technology as a career and help pathway learners from secondary school, right through to the best entry level jobs in the industry.

Our Business partners:



And many, many more...