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techtorium®

NEW ZEALAND INSTITUTE OF
INFORMATION TECHNOLOGY

2016 International
Prospectus

Welcome to Techtorium NZIIT

Welcome to Techtorium Deciding on what direction to guide your career is both exciting and challenging.

We spend a lot of time at work in our lifetimes – so it's important for you to make well informed decisions about how to spend your time and money in this phase of your career as a student. Tertiary education is an investment, not only for yourself, but for your family. It is an investment that will allow you to grow you as a person and change the way you think. It is an investment that will present opportunities to you for the rest of your working career.

Globally, the Information Technology industry is expanding so rapidly that it is becoming increasingly difficult for IT employers to find appropriately trained employees to fill the demand – from entry level through to IT Architect roles. This is also the case in New Zealand.

For more than 10 years Techtorium has challenged the way people learn about the digital landscape. In collaboration with our industry advisory group, my team of industry experienced trainers and I have designed practical computer engineering, networking and server courses that offer students a clear pathway into the industry.

Techtorium graduates have a critical understanding of IT and only receive their diploma when I am fully satisfied that they have the skills and attributes to hit the ground running in their first positions in this exciting industry.

For those of you who have enrolled at Techtorium; I would like to welcome you to the first step in your IT career and wish you all the best for you studies. We are behind you all the way so know that your success is our success. For those who are considering a tertiary education at Techtorium, this prospectus should serve as a guide, assisting you in making the right career decision about where, what, and how to focus your career in this exciting industry.

Patrick Dowling
Principal - Techtorium

WELCOME

What we do

Techtorium New Zealand Institute of Information Technology is one of New Zealand's leading IT Tertiary Institutes. Awarded Category 1 status since 2011 by NZQA this was in recognition of outstanding student outcomes as well as business practices. The Tertiary Education Commission publish student outcome statistics and the most recent sees Techtorium students enjoy amongst the highest rate of successful course and qualification completions in New Zealand.

Our secret – our academic team come from industry and are quickly responsive to changes in technology to ensure Techtorium graduates are given a head start in their IT careers.
Below are just a few of the things that we can offer to anyone seeking a career change or an education in Information Technology.

IT CERTIFICATIONS

The ever changing nature of technology requires IT professionals to continually update and validate their skills. Techtorium recognises this and runs PearsonVue and Prometric Test Centres.

Techtorium Diploma students not only earn credits that are applied to their NZQA record of learning but they are also offered the opportunity through the college to sit their International Industry Certifications such as CompTIA and Microsoft. Employers certainly have a good understanding of your skills when you come to them already certified.

COMPUTER TRAINING

IT is everywhere! Every organisation - from rugby teams to government departments, from schools to corporates use IT to communicate and interact. Technology challenges the way we live, learn, and work.

Techtorium has a variety of vendor-specific and vendor-neutral computer training and short courses with a technical focus that can help you if you are currently working in the industry to up-skill and certify for yourself or your organisation. So, whether you're are a school, organisation, or an IT professional, Techtorium can provide an IT training solution for you.

• CompTIA
• Microsoft
• VMWare
• Cisco
• Bespoke Computer Training

IT QUALIFICATIONS

IT qualifications are at the heart of everything we do at Techtorium. As a tertiary provider, Techtorium is able to offer a variety of fulltime diploma qualifications in Information Technology. All courses and units offered by Techtorium NZ Institute of Information Technology are accredited by the New Zealand Qualifications Authority (NZQA).

To find out more about what IT qualification is best for you, please visit www.techtorium.ac.nz or call us on +64 (9) 529 7523.

techtorium®
NEW ZEALAND INSTITUTE OF INFORMATION TECHNOLOGY

L5 Diploma PC Support

1

International Certifications
- CompTIA A+
- CompTIA Network+
- CompTIA Security+
- Microsoft – Configuring Windows 8 (exam 70-687)

L6 Diploma Networking & Security

2

International Certifications
MCSA – Windows 8
70-688 – Supporting Windows 8.1
MCSA – Windows Server 2012
70-410 - Installing and Configuring Windows Server 2012
70-411 - Administering Windows Server 2012
70-412 - Configuring Advanced Windows Server 2012 Services

3 Month refresher course

L7 Diploma Cloud Management

3

MCSE – Server Infrastructure
Exam 070-413 -Designing and Implementing a Server Infrastructure
070-414 - Implementing an Advanced Server Infrastructure
MCSE – Private Cloud
070-246 - Monitoring and Operating a Private Cloud with System Center 2012
070-247 - Configuring and Deploying a Private Cloud with System Center 2012
MCSE – Server Infrastructure
070-341 - Core Solutions of Microsoft Exchange Server 2013
070-342 - Advanced Solutions of Microsoft Exchange Server 2013
HP ATA – Servers and Storage
HP4-A03 - Servers and Storage Certification
CompTIA Project+

PC SUPPORT & NETWORKING ROLES

Entry Level NZD $37K to $55K
- Migration Engineer
- Service Desk Analyst
- Network Engineer

10+ Years NZD $120K to $220K
- Network Architect
- Senior Systems Engineer
- IT Support Manager
- Network Design Specialist

CLOUD MANAGEMENT ROLES

Entry Level NZD $57K to $65K
- Cloud Engineer
- Cloud Solutions Consultant
- Systems Engineer
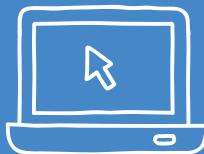
10+ Years NZD $185K to $225K
- Cloud Infrastructure Manager
- IT Project Manager
- IT Systems Architect
- IT Security Specialist

L⁵

New Zealand Diploma

PC Support

Creating IT Professionals through excellence in education.

L5 Diploma
PC Support

Course Fees: $15,000 (inc GST)
Course Related Costs: $2,000 (inc GST)

COURSE DESCRIPTION

The Techtorium Level 5 Diploma in PC Support is a highly specialised vocational course of study designed to give you the opportunity to start a career in the computer support industry or to help you into the Level 6 Diploma in Computer Networking and Security (Servers).

From assembly and disassembly through to Networking – LANs WANs, systems security and operating systems, you will enjoy an advanced understanding of computers, how they operate and how to diagnose issues and problems.

Industry certifications are important to employers in the IT industry so we help you to gain your certifications in CompTIA A+, Network+ and Security +. In addition, you will be expected to complete a Microsoft Certification for Desktop Support (currently on Windows 8 and 8.1). Don't worry, we make sure you are well prepared for these exams.

If you are looking for a course to give you a head start in this very exciting industry, then the Techtorium Level 5 Diploma in PC Support is a great place to start.

COURSE OUTLINE

- Hardware and Software - Assemble hardware and install software and diagnose any issues

- Networking - Configure and install networks, setup users and support the network

- Internet & Network Security - Configure security to protect networks

- Desktops - Windows 8.1 - Configuring desktops for end users

MODULE 1

25th January – 8th April 2016
31st December – 13th April 2017

Hardware and Software – Assemble Hardware and Install Software

We will give you hands on training to ensure that you are able to install, configure, upgrade, troubleshoot and repair PC systems. You will learn desktop PCs and portable systems such as smartphones and tablets. In addition you will also gain an understanding of printers, networking concepts, and common preventative maintenance and safety procedures. Included will be the opportunity to learn about Windows Desktops (Windows 7 & 8) for installing, basic configuration and repairing PC systems.

The knowledge you gain on completion of this course will support future job applications. The CompTIA A+ course sets the standard for entry-level ability required by employers.

The PC Hardware and Software Syllabus encompasses:

1. Hardware installation, configuration and upgrades
2. Hardware diagnosing and troubleshooting
3. Motherboards, processors and memory
4. Portable devices
5. Basic Networking
6. Customer service
7. Software installation, configuration and upgrading
8. Software diagnosing and troubleshooting
9. Desktop, portable and peripheral systems
10. Basic networking concepts and operating systems knowledge
11. Preparation for CompTIA A+ exam
12. Techtorium end-of-module exam

MODULE 2

26th April – 1st July 2016
1st April – 7th July 2017

Networking - Configure and Install Networks

You will learn to understand networks to an in-depth level as well as install and configure network interface cards. Your trainers will teach you to set up routers and router connections and configure firewalls. The course will provide practical hands on scenarios; these scenarios are designed to give you the skills to support networks in the small to medium enterprise settings.

Network connectivity is now the most important factor in any country in the world. You will learn to ensure a customer is always connected to the internet and can get to the internet in a variety of ways. The skills gained on this course are vital to any IT professional especially support professionals.

The CompTIA Network + course sets the standard for entry-level ability required by employers and encompasses:

1. Media and topologies
2. Protocols and standards
3. Network implementation
4. Network support
5. Support of PCs in a networked environment
6. LANs (local area networks) & WANs (wide area networks)
7. Network Infrastructure Management basics
8. Windows desktop & basic server management
9. Preparation for CompTIA Network+ exam
10. Techtorium end-of-module exam

COURSE OUTLINES

MODULE 3

18th July – 23rd September 2016
24th July – 29th September 2017

Internet & Network Security - Configure Security and Protect Networks

In this module, you will learn to identify computer and network based risks to the IT environment you are managing. You learn from hands on exercises, how to provide infrastructure, application and operational security for networks and mobile devices. In addition, you will apply security controls to maintain integrity and availability of servers. To support this we teach you about policies, laws and regulations in the office LAN setting.

LAN and internet security are now more important than before, an understanding of ways to manage LAN and internet security and availability are critical to successful IT operations.

The Security + course sets the standard for entry-level ability required by employers and covers:

1. Network Security
2. Compliance and Operational Security
3. Threats and Vulnerabilities
4. Application, Data and Host Security
5. Access Control and Identity Management
6. Cryptography
7. Access Control
8. Network Security
9. Risk Management
10. Preparation for CompTIA Security+ exam
11. Techtorium end-of-module exam

MODULE 4

17th October – 16th December 2016
16th October – 14th December 2017

Desktops - Windows 8.1 - Configuring Desktops for End Users

Microsoft Office is by far the most popular operating system in business. We will teach you how to install and upgrade Windows workstations and configure and migrate user data. We know that your skills will develop by having hands on exercises based on real workplace situations so that's what we give you! Being an expert on Windows Desktop systems is a sought after skill so you will be actually installing and implementing a wide range of the 'built in' Windows features required in the enterprise. This course takes Windows knowledge to an innovative new level.

The skills you will gain on this course are vital to any IT professional especially support professionals. The Microsoft Desktop Certification course sets the standard for entry-level ability required by employers.

The Configuring Desktops - Configuring Windows 8.1 syllabus encompasses:

1. Installing & Upgrading Windows Workstations
2. Migrate and Configure Data
3. Configure Hardware & Applications
4. Configure Network Connectivity
5. Configure Access to Resources
6. Configure Remote Access and Mobility
7. Monitor and Maintain Windows Clients
8. Configure System and Data Recovery Options
9. Configuring Desktop Applications
10. Windows Deployment
11. Supporting Network Connectivity
12. Managing & Maintaining Windows Workstations
13. Preparation for Microsoft 70-687 exam
14. Techtorium end-of-module exam

INTERNATIONAL CERTIFICATIONS

- CompTIA A+ Certification
- CompTIA Network+ Certification
- CompTIA Security+ Certification
- Microsoft – Configuring Windows 8 (exam 70-687)

STUDENT LEARNING OUTCOMES

- Demonstrate broad technical and theoretical knowledge of Hardware & Software, Networks & Administration, Internet & Security and Windows Applications.
- Select and apply solutions to IT industry problems.
- Demonstrate responsibility for the management, learning and performance outcomes of others with the IT industry.
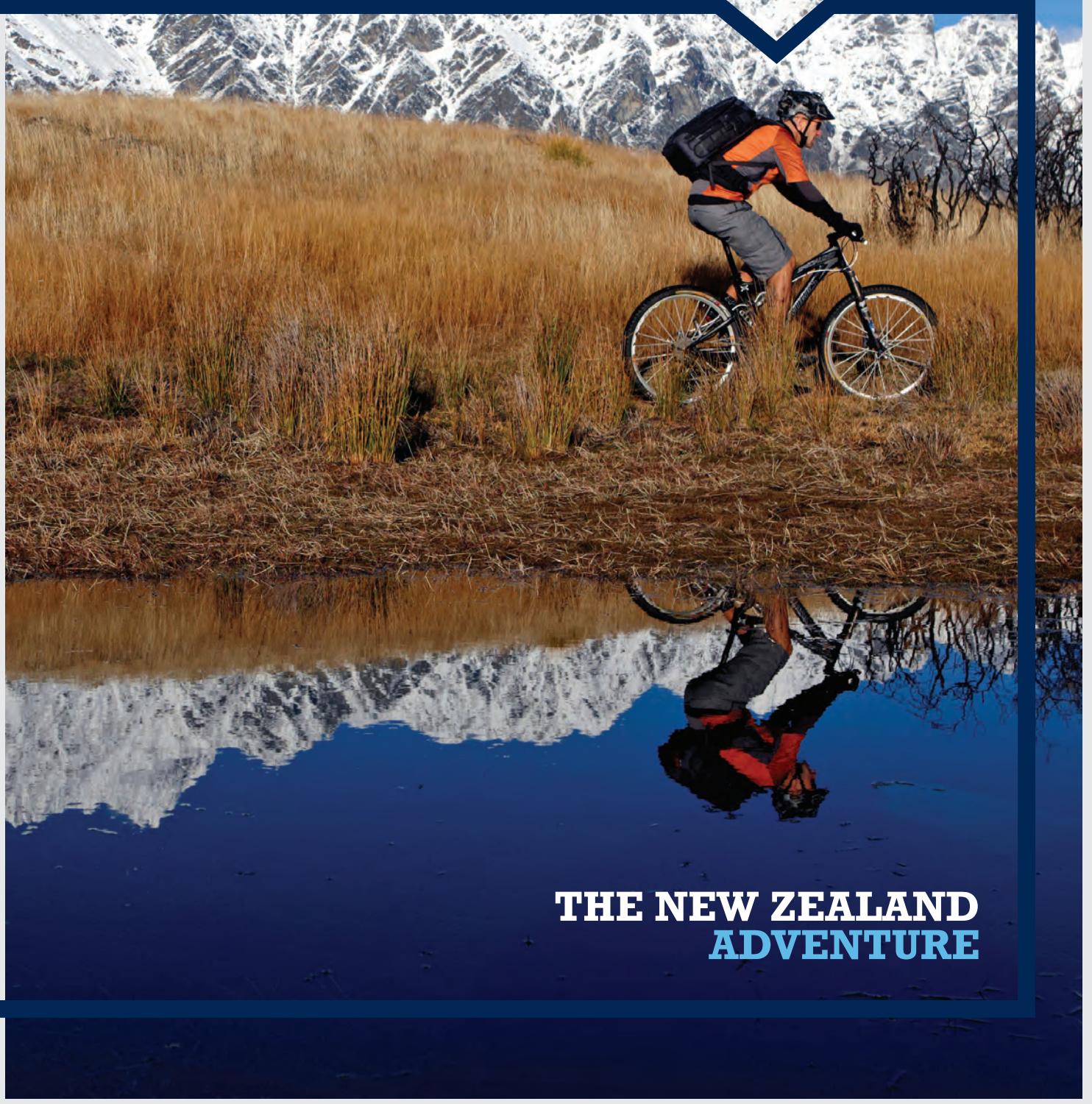- Install and support networks.

SCHEDULE

Students must complete the full four modules of study. Students will attend course either in the morning, afternoon or evening. Morning and afternoon classes run Monday to Friday and the twilight class is a mix of days and weekends. All courses run for a full year but have intakes in January, April, July and October.

ENTRY REQUIREMENTS

- The prospective candidate is required to have completed a minimum of four years of formal secondary schooling.
- If the candidate has not completed high school (Year 12) the candidate will need to have been out of school for a minimum of two years or be 18 years of age or older with an IELTS average score of 5.5 to be considered.
- Mature applicants will be considered for a position on the course based on their interest in a career change to computers.
- All students need to demonstrate an interest in computers and an intention to pursue a career in the computer industry.

While a good academic history will be an advantage we do understand that for various reasons the evidence of ability does not always reflect actual ability.

THE NEW ZEALAND
ADVENTURE

L6

New Zealand Diploma
Networking & Security

Creating IT Professionals through excellence in education.

L6

Diploma
Networking
& Security

Course Fees: $15,000 (inc GST)
Course Related Costs: $2,000 (inc GST)

COURSE DESCRIPTION

This course will familiarise you with the cutting-edge of Server Support technologies, showing you how to get server and desktop environments to perform at an amazing level. This course will get you where you want to go in the IT Server Support environment. We concentrate on preparing you for Infrastructure roles as a; System Administrator, Server Administrator, Infrastructure Systems Specialist.

The Level 6 Diploma course will run in a "hands-on" format with the majority of the course consisting of practical exercises designed to give you maximum exposure to the technologies. You will face real world scenarios and challenges to ensure you are "workplace ready".

COURSE OUTLINE

- Windows 8.1 Supporting, Maintaining & Troubleshooting

- Installing and Configuring Windows Server 2012 Infrastructure

- Configuring Active Directory Services in Windows Server 2012 & Security

- Windows Server 2012 Administration & Advanced Services

MODULE 1

25th January – 8th April 2016
31st December – 13th April 2017

Windows 8.1 Supporting, Maintaining & Troubleshooting

In this module you will learn to configure or support Windows 8 computers, devices, users, and associated network and security resources. You will learn about domain-based and peer-to-peer environments with access to the Internet and cloud services. You will also learn the skills required to become a consultant, a full-time desktop support technician, or an IT generalist who administers Windows 8–based computers and devices as a portion of your broader technical responsibilities.

Windows 8.1 Client Operating System

1. Supporting Operating System Installation
2. Support Desktop Apps
3. Support Data Storage, Authentication, Authorization and Data Security
4. Supporting Windows Clients & Devices
5. Support Mobile Devices
6. Wireless & Wired Network Connectivity
7. Manage Clients using Windows Intune
8. Mobile Computing and Remote Access in Windows
9. Preparation for the 70-688

Exam Maintaining and Troubleshooting the Windows 8.1 Client Operating System

1. Troubleshooting Methodology
2. Troubleshooting Operating Systems
3. Troubleshooting Hardware
4. Troubleshooting Network and Security Issues
5. Maintaining and Optimizing Windows Operating system
6. Desktop Deployment Infrastructure
7. Imaging and Deployment
8. Troubleshooting Applications

MODULE 2

26th April – 1st July 2016
1st April – 7th July 2017

Installing and Configuring Windows Server 2012 Infrastructure

In this module we will teach you part one of three units to get you ready for your server certification to setup a core Windows Server 2012 infrastructure in an existing enterprise environment. Once you have completed this module you will have the ability to implement and configure Windows Server 2012 core services, such as Active Directory and the networking services. You will have demonstrated the skills and knowledge necessary for implementing, managing, maintaining, and provisioning services and infrastructure in a Windows Server 2012 environment.

Windows Server 2012 Operating System

1. Introduction to Managing Windows Server Environment
2. Active Directory Domain Services User and Computer Objects
3. Groups, Group Types and Organizational Units
4. Managing Access to Resources in Active Directory Domain Services
5. Active Directory Objects and Trusts
6. Group Policy
7. Configure User and Computer Environments by Using Group
8. Implementing Security Using Group Policy
9. Configuring Server Security Compliance
10. Monitoring and Maintaining Windows Server
11. Managing Windows Server Backup and Restore
12. Preparation for the 70-410 exam

Configuring Network Infrastructure

1. Installing and Configuring Servers
2. DNS
3. WINS
4. DHCP
5. IPv6 TCP/IP
6. Routing and Remote Access
7. Installing, Configuring, and Troubleshooting the Network Policy Server Role Service
8. Network Access Protection
9. IP Security
10. Distributed File System
11. Managing Storage Technologies

MODULE 3

18th July – 23rd September 2016
24th July – 29th September 2017

Configuring Active Directory Services in Windows Server 2012 & Security

This unit will be the second for you to learn how to implement a core Windows Server 2012 infrastructure in an existing enterprise environment. Once you have completed this you will be able to maintain a Windows Server 2012 infrastructure, such as user and group management, network access, and data security. Doing this module along with the other two, confirms you have the skills and knowledge necessary for implementing, managing, maintaining, and provisioning services and infrastructure in a Windows Server 2012 environment.

Configuring Active Directory Services in Windows Server 2012

1. Active Directory Domain Services
2. Domain Name Service for Active Directory Domain Services
3. Active Directory Objects and Trusts
4. Active Directory Sites and Replication
5. Active Directory Domain Services Monitoring Plan
6. Active Directory Domain Services Maintenance Plan
7. Active Directory, DNS, and Replication Issues
8. Active Directory Domain Services Infrastructure
9. Active Directory Lightweight Directory Services
10. Active Directory Certificate Services
11. Active Directory Rights Management Services
12. Active Directory Federation Services
13. Preparation for the 70-411 Exam

Network Security

1. Introduction to Security
2. System Threats and Risks
3. Protecting Systems
4. Network Vulnerabilities and Attacks
5. Network Defences
6. Wireless Network security
7. Access Control Fundamentals
8. Authentication
9. Performing Vulnerability Assessments
10. Security Audits
11. Basic Cryptography

MODULE 4

17th October – 16th December 2016
16th October – 14th December 2017

Windows Server 2012 Administration & Advanced Services

This is the final unit for server certification that test the skills and knowledge necessary to implement a core Windows Server 2012 infrastructure in an existing enterprise environment. Completing this module shows your trainers that you have the ability to perform the advanced configuring tasks required to deploy, manage, and maintain a Windows Server 2012 infrastructure, such as fault tolerance, certificate services, and identity federation.

Well done! This means you have the skills and knowledge necessary for implementing, managing, maintaining, and provisioning services and infrastructure in a Windows Server 2012 environment.

Windows Server 2012 Administration

1. Planning for Server Deployment
2. Managing Server Migration
3. Planning Server Roles
4. Creating a Configuration Change Plan for Windows Server
5. Managing Windows Server Security
6. Planning for the Application Server Role
7. Planning for Windows Server High Availability
8. Maintaining Windows Server
9. Maintaining a Distributed File System on Windows Server
10. Planning for Windows Server Backup and Restore
11. Monitoring Windows Server Servers
12. Troubleshooting Windows Server Hardware
13. Troubleshooting Software Problems
14. Troubleshooting Windows Server Networks
15. Preparation for the 70-412 Exam

INTERNATIONAL CERTIFICATIONS

MCSA – Windows 8

70-688 – Supporting Windows 8.1
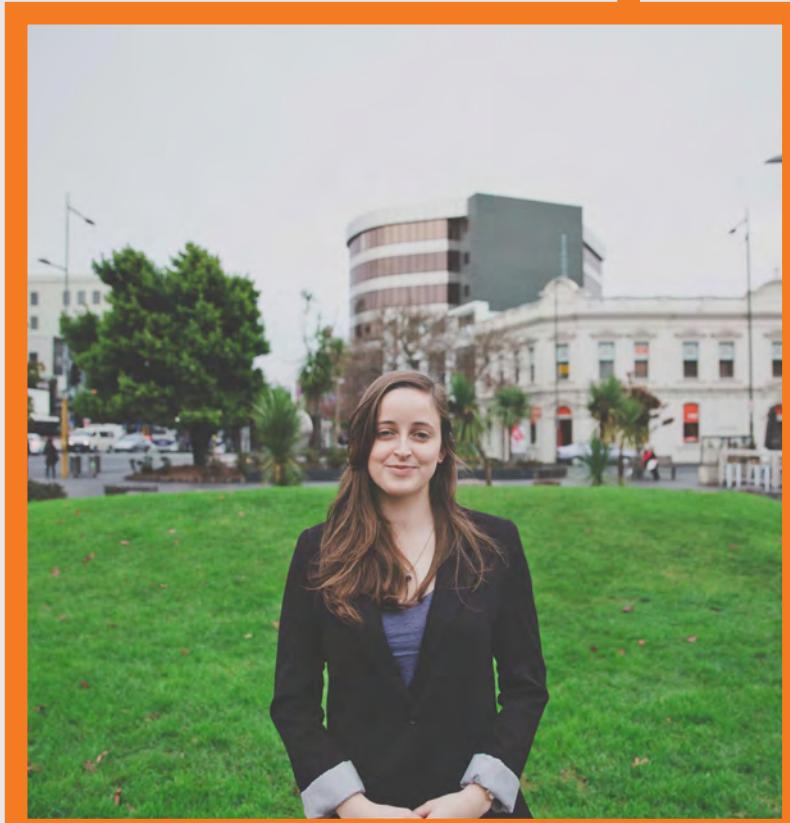
MCSA – Windows Server 2012

70-410 - Installing and Configuring Windows Server 2012

70-411 - Administering Windows Server 2012

70-412 - Configuring Advanced Windows Server 2012 Services

STUDENT LEARNING OUTCOMES

- Install, upgrade, migrate, configure and troubleshoot Windows 7 Client Operating System.
- Configure and install DNS, WINS, DHCP network infrastructure and servers.
- Configure Active Directory in Windows Servers.
- Identify, protect, authenticate and assess network security and basic cryptography

SCHEDULE

Students must complete all courses of study. There are both morning and afternoon classes and four intakes per year – January, April, July and October.

ENTRY REQUIREMENTS

- The Techtorium Diploma in PC Support or similar or
- CompTIA A+ and CompTIA N+ or
- Demonstration of prior knowledge and work experience in roles that utilise the concepts taught in the Techtorium Level 5 Diploma
- Students must have access to a personal computer for off-campus learning
- IELTS score of 6.0 average

COURSE OUTLINES

THE NEW ZEALAND LIFESTYLE

Chris McLennan

New Zealand Diploma
Cloud
Management

Creating IT Professionals through
excellence in education.

L7

Diploma
Cloud
Management

Course Fees: $15,000 (inc GST)
Course Related Costs: $2,000 (inc GST)

COURSE DESCRIPTION

You will be introduced to the enterprise server and storage environment, learn to manage integrated IT environments using server and messaging tools and create scenarios that reflect real industry circumstances.

You will also be following industry established processes and procedures to support your classroom time. The skills and knowledge you will gain are designed to get you from the classroom directly into industry in a significant position.

You will also be capable of performing the functional roles around designing and implementing server infrastructure, configuring and deploying private cloud infrastructures and implementing advanced solutions of Microsoft Exchange Server. In addition, you are preparing for Project Management and Operational Management.

- Enterprise Server infrastructure

- Private Cloud design and deployment

- Messaging with Microsoft Exchange

- Server Storage utilising HP solutions

- Project management

MODULE 1

25th January – 8th April 2016
31st December – 13th April 2017

Enterprise Server infrastructure

This module is designed for people who are being trained on Windows Server 2012 who are completing the 70-413 (Designing and Implementing a Server Infrastructure) and 70-414 (Implementing an Advanced Server Infrastructure) exams. These exams are required for the new MCSE: Server Infrastructure on Windows Server 2012 certification.

1. Plan and Deploy a Server Infrastructure
2. Design and implement network infrastructure services
3. Design and implement network access services
4. Design and implement an Active Directory infrastructure (Logical and Physical)
5. Manage and maintain a server infrastructure
6. Plan and implement a highly available enterprise infrastructure
7. Plan and implement a server virtualisation infrastructure
8. Design and implement identity and access solutions

MODULE 2

26th April – 1st July 2016
1st April – 7th July 2017

Private Cloud design and deployment

This module focuses on what you need to know to implement Private Cloud environments. You will be prepared to complete the Microsoft Certified Professional exam 70-246 and exam 70-247. You will cover the objectives that are covered in the exam, and some general exam taking tips and technology "gotchas" about Microsoft System Centre 2012.

1. Configure data centre process automation
2. Deploy resource monitoring
3. Monitor resources
4. Configure and maintain service management
5. Manage configuration and protection
6. Design and deploy System Center
7. Configure System Center Infrastructure
8. Configure the fabric
9. Configure System Center integration
10. Configure and deploy virtual machines and services

COURSE OUTLINES

MODULE 3

18th July – 23rd September 2016
24th July – 29th September 2017

Messaging & the Enterprise Messaging Environment

Core Solutions and Advanced Solutions of Microsoft Exchange Server 2013

This module is designed for people experienced with Microsoft Exchange Server 2013 and who are interested in taking the 70-341 (Core Solutions of Microsoft Exchange Server 2013) and 70-342 (Advanced Solutions of Microsoft Exchange Server 2013) exams. These exams are required for the new MCSE: Messaging certification.

1. Plan Install, configure and manage transport

2. Install, configure and manage the mailbox role

3. Plan, Install, configure and manage client access

4. Design and manage an exchange infrastructure

5. Configure, manage and migrate Unified Messaging

6. Design, configure and manage site resiliency

7. Design, configure and manage advanced security

8. Configure and manage compliance, archiving and discovery solutions

9. Implement and manage coexistence, hybrid scenarios, migration and federation

MODULE 4

17th October – 18th November 2016
16th October – 17th November 2017

Server Storage Infrastructure

HP Exam HP4-A03 - Servers and Storage Certification

This module provides the knowledge and experience required to discover and meet the business objectives of small and medium businesses and to design an application hosting and data storage solution that meets their unique requirements. In addition, knowledge and skill to deploy and troubleshoot the solution are also included

1. Explain and recognize industry-standard server technologies and their implications for customer needs

2. Recognize and describe HP and industry-standard

3. Plan and design server and storage solutions for SMB customers

4. Install, configure, and upgrade server and storage solutions (including both rack-mount and blade systems) for SMB customers

5. Performance-tune and optimize server and storage solutions for SMB customers

6. Troubleshoot and perform repair/replacement procedures for server and storage solutions for SMB customers

7. Manage servers and storage systems using HP Infrastructure Management

8. Administer and operate server and storage solutions for SMB customers

MODULE 5

21st November - 16th December 2016
20th November - 14th December 2017

Project Planning & Management

Project Management Course Objectives

1. Pre-Project Setup/Initiating

2. Project Planning

3. Project Execution and Delivery

4. Change, Control and Communication

5. Project Closure

INTERNATIONAL CERTIFICATIONS

MCSE – Server Infrastructure

070-413 -Designing and Implementing a Server Infrastructure

070-414 - Implementing an Advanced Server Infrastructure

MCSE – Private Cloud

070-246 - Monitoring and Operating a Private Cloud with System Center 2012

070-247 - Configuring and Deploying a Private Cloud with System Center 2012

MCSE – Server Infrastructure

070-341 - Core Solutions of Microsoft Exchange Server 2013

070-342 - Advanced Solutions of Microsoft Exchange Server 2013

HP ATA – Servers and Storage

HP4-A03 - Servers and Storage Certification

CompTIA Project+

STUDENT LEARNING OUTCOMES

The student that completes our Level 7 Diploma will have gained the knowledge to enter into the IT Industry at an elevated level and have specific skills in strands that are currently in high demand throughout New Zealand and in fact the entire world.

The uptake of Cloud Solutions around the world has increased steadily over the last 2 years and is now a concern for both corporate and Government agencies. Having the knowledge gained in the high level Microsoft MCSE exams will set our graduate apart from the rest of the field by placing you in the position to be employed by a variety of high end IT companies specialising in Migration, Data Centre, Project Management, and various other roles.

SCHEDULE

Students must complete 42 weeks of study. There are both morning and afternoon classes and four intakes per year – January, April, July and October.

ENTRY REQUIREMENTS

- Having completed our Level 5/6 Diplomas

- OR having a Diploma/Degree in IT related field AND having completed the 3 month refresher course to gain the necessary Industry qualifications gained at our Level 5/6 courses.

- Having IELTS 6.0 minimum

COURSE OUTLINES

L7

Rohan
Sood

Programme
Director

Rohan is the Programme Director and International Student Manager. He is responsible for recruitment across various regions working alongside a group of agents to attract our target of International Students. He also works alongside the Homestay company to ensure that the students are housed appropriately if required but also to make sure that if they are staying with family that this arrangement is set up properly.

The second part of his role is to work within the IT industry to ensure that the International graduates are placed in either higher learning or in working roles depending on each students wishes. As each student progresses through their studies he will maintain

contact and ensure that they are heading along the pathway they desire. Rohan has worked in the IT industry for over 15 years and has a fantastic network of people to draw both advice and to act as potential employers for our graduates.

Rohan is in fact an international student himself, where he started studying at Techtorium back in 2007. Now a New Zealand resident, he enjoys everything New Zealand has to offer.

"When a student joins us here at Techtorium it is with one of two possible outcomes. Firstly is to attain a certain level of competence in the IT networking field and become an Engineer worthy of employment by an IT company. Secondly is to attain a certain level of competence and then progress to a higher level at a University."

PROFILE

Choosing Techtorium

"Creating IT Professionals through excellence in education and inspiring new pathways."

If computer technology and engineering is where you see your future, Techtorium is the very best place for you to start your New Zealand experience and education for a lifetime. We know IT and we specialise in IT. Our passion for technology shows in everything we do. Right from the way we design our courses, to the way we teach them. Our institute is structured to provide the highest quality educational experience for our students. Our philosophy is based on delivering only the best computer engineers. This creates a particularly student-focussed environment, and makes Techtorium the ideal partner to provide you with all you need to meet your ambitious career goals.

EXCELLENCE IN EDUCATION

• NZQA Category 1 Training Provider

• Amongst the highest rate of successful course and qualification completions in NZ (TEC)

• Real world experienced trainers

• Fantastic facilities to support your learning

Techtorium provides the highest level of education to our students. As a Category 1 Training Provider, our institute is recognised within the New Zealand IT Industry as a leader. All of our trainers come with a wealth of industry experience and are supported by a team of dedicated Employment Pathway Managers whose primary role is to bridge-the-gap between graduates and the IT industry. What's more, our courses have been designed following robust consultation with our IT industry partners, so that you will graduate with the knowledge, skills and attributes required to gain meaningful employment.

STRONG INDUSTRY RELATIONSHIPS

Ensuring we have the best and most current courses and curriculum as well as links to industry for you – we know that it's all about networking. Over the past 10 years, we have been working with the IT industry leaders to provide both personnel and computer training solutions.

Our strong relationships with the industry and our ability to provide the best IT education has allowed us to enjoy great relationships with some of the top IT vendors and ISP's in New Zealand. Our relationships in the IT industry is our students gain.

THE BEST LOCATION.

Techtorium is situated at 182 Broadway, Newmarket, Auckland. Newmarket is currently known as the fashion capital of New Zealand and is fast becoming a leading tertiary destination as well.

Drawing students from all over Auckland, Techtorium suits its Newmarket location - being conveniently located, easily accessible and absolutely vibrant.   So if student-life is important to you, you want to be just a stone's throw from transport (Newmarket train station and bus hub servicing all of Auckland) and within walking distance of the Auckland CBD, come and be a student at Techtorium and mix education with lifestyle.

Employment Pathways

Most international students will come to Techtorium for a total of 3 years and study the Level 5, Level 6, and Level 7 program. This will provide the student with a Diploma at each level plus a host of Industry qualifications from both the CompTIA and Microsoft syllabus. These qualifications are the essential backbone of the students CV and form the basis of what direction the student can take in the IT world.

As at the start of 2014 we have a standing order that requires us to deliver double the number of students that we have so there is absolutely no shortage of jobs for our candidates; however, despite the growth in the New Zealand IT industry to get an edge in the job market it is important to promote your skills and your knowledge to the right people, in the right way.

Outcomes mean everything to us, that's why we have developed relationships with several of the top IT companies in New Zealand to help bridge-the-gap between skilled graduates and the IT industry. We have regular requests from Fujitsu, Datacom, Gen-i, Dimension Data and New Era IT to provide graduate CV's. So long as the student has delivered their best ability along the way and has progressed through each level then we will be only too happy to assist in promoting them in the workforce.

TATUAVA TATUAVA

Company: Fujitsu
Position: Service Desk Technician
Last Course of Study: Level 6 Diploma in Networking & Security
Year: 2013

I always had a passion for computers and I always knew this was something I wanted to do; but it wasn't until I started the Level 5 Diploma in PC Support that I began to take things a little more seriously. After 2 years at Techtorium, I completed the Level 6 Diploma in Networking & Security – From here; I managed to get a job with Fujitsu even before I completed the course. Studying at Techtorium has given me the ability to feel confident in my knowledge and skills and has changed my life.

Techtorium in 2 words: Real World

EMPLOYMENT PATHWAYS

How does the Employment Pathway process work?

- **Start with: Diploma in PC Support (Level 5)**

- **Move to:Diploma in Networking & Security (Level 6)**

- **Finish with: Diploma in Cloud Management (Level 7)**

Well, at the beginning – as an entry level engineer. Building your career in the IT industry is exciting and as you progress you will find aspects of IT that will see you eventually specialise in a particular field. Like most industries, to make your way to the top, you need to start at the bottom. It takes hard work, determination, and dedication; but it can be given a boost with the right education.

To gain an entry level position, you need to start with an industry recognised qualification. With a combination of a Techtorium diploma, international certifications, and hard work; you'll have both the technical and personal skills that are required by the New Zealand IT industry.

Upon completing an IT Qualification you will be assessed on your technical know-how and overall employability. Our team of employment pathway managers will be at hand to help guide you to the best entry-level roles in the New Zealand IT industry. To assist you in gaining employment here in New Zealand, you'll offered free advice and tips to get the best out of your new-found skills.

We know we produce seriously skilled computer engineers and that's why we have every confidence that our graduates will be a great success when entering the IT industry.

Sam Hutchinson
– Employment Pathways Manager

Sam is the Employment Pathways Manager here at Techtorium and is responsible for the guidance of Techtorium graduates into full-time and part-time employment. He works with some of New Zealand's leading IT vendors and ISP's to ensure Techtorium graduates remain the first choice for entry-level employment. As part of his role, he will assist you in your overall career development by helping you prepare an industry specific CV and organise/prepare you for your next interview.

"I know our students and I know their capabilities. It's easy for me to advocate their skills to our network of leading ISP's and vendors as our past graduates have generated a great reputation in the New Zealand IT industry. Guiding new graduates into employment - it's not a difficult task."

Here in New Zealand, Sam enjoys playing rugby, kite-surfing and mountain biking.

Destination New Zealand

RELAXED LIFESTYLE

Our lifestyle is a little different here in New Zealand. We share a belief in working hard; but playing even harder. We believe that life is for living and that's why our beautiful country is renowned as the adventure capital of the world. We share a country that is rich and culturally diverse. With a range of natural and manmade experiences for you to enjoy, you'll find the pace of life here is less stressed.

Whatever your passion, whatever your hobby, there are endless opportunities for you to get physical, enjoy the outdoors or even laze around on an uncrowded beach. Whether it's fishing for Snapper in the Hauraki Gulf, playing a game of cricket at Victoria Park, or even mountain biking at Woodhill Forest, living and studying in New Zealand will give you the freedom to do what you want, when you want.

So if it's a mix of lifestyle you're after - Come to New Zealand

"ROCK-STAR" ECONOMY

of 2014/15. What we lack in diversity - we sure 'pack a punch' at a global level. Right here in Auckland, we have the largest economy in New Zealand, which is why we boast the largest number of companies such as Fujitsu, Microsoft, Vodafone, iiNet and many

Over the past years, the Auckland economy has continued to gather momentum, business confidence has continued to grow and employment opportunities have remained strong. Its commercial ventures form a strong part of this economy with retail and the ports featuring prominently in in the CBD. Overall, we are proud of our economy across all industries, including IT.

So if it's a strong, honest economy that you're after - Come to New Zealand

DESTINATION NEWZEALAND

Employment Opportunities

Imagine a place where you can work as a Network Engineer during the day, then in half an hour or less be away from it all relaxing on a beach or hiking through beautiful native bush. For many people who make the step to build an IT career in New Zealand, the opportunities are endless. Currently, New Zealand is experiencing a shortage of skilled and educated IT professionals. Demand for even entry-level Computer Engineers, is far outweighed by the number of graduates. Here are just a few of the IT roles available here in New Zealand.

SYSTEM or NETWORK ADMINISTRATOR

The IT network administrator focuses on maintaining an organization's data management network. The IT network extends to the corporate LAN, WAN, intranet, and Internet. Users rely on this web of networking technology to communicate and share, store, and process information. IT network administrators are responsible for maintaining a reliable, secure, and efficient data communications network. A person who manages a communications network within an organisation. Responsibilities include network security, installing new applications, distributing software upgrades, monitoring daily activity, enforcing licensing agreements, developing a storage management program and providing for routine backups.

NETWORK ENGINEER

The Engineer MCSE (Microsoft Certified Systems Engineer) is the actual architect of the said Network and are the people who are responsible for the "from scratch" work such as designing the physical and logical lay-out of the network. The Network Engineer selects the appropriate data communications components and configures them to meet user and corporate needs. The construction of a reliable and high-performing network integrating LAN, WAN, Internet, and intranet components entails network modelling and analysis. meet user and corporate needs. The construction of a reliable and high-performing network integrating LAN, WAN, Internet, and intranet components entails network modelling and analysis.

DATABASE ADMINISTRATOR

Database Administration (DBA) is an important role in any organization that is dependent on one or more databases. The primary role of a Database Administrator is to ensure maximum up time for the database so that it is always available when needed. This will typically involve proactive periodic monitoring and troubleshooting. This in turn entails some technical skills on the part of the DBA. In addition to in-depth knowledge of the database in question, the DBA will also need knowledge and perhaps training in the platform (database engine and operating system) on which the database runs.

The Enrolment Process

To apply for an academic programme, all International students must provide:

- A completed and signed Student Enrolment Form which can be completed from our website or from your local agent acting on our authority to apply on your behalf.
- Proof of your English ability (one of the following: recent IELTS or TOEFL test results or evidence that your medium of instruction has been English).
- A notarised English translation of your academic records, from your highest level of academic study.
- If you are still at school, a copy of your most recent school report.
- Details of any relevant work experience you would like us to consider .
- A copy of your passport.

Your application should be provided to your agent or emailed to Learn@techtorium.co.nz or posted to:

The International Student Manager,
Techtorium NZIIT Ltd
182 Broadway, Newmarket,
Auckland, New Zealand

CONDITIONAL OFFER OF PLACE

All applications will be responded to promptly. It usually takes 1-2 working days to assess an application and make a decision. In busy seasons it may take up to 5 working days.

When you meet the requirements and are accepted into a programme Techtorium will send you the following documents:

1. Conditional Offer of Place
2. Information pack including medical insurance information, campus map, orientation information etc
3. A public trust form for you to sign and return
4. A tuition agreement which provides you with information about Techtorium and what's expected of you during your time as a student with us

The amount you pay for your tuition fee per academic year is indicated on your Offer of Place. The tuition fee quoted is in New Zealand dollars and covers a full-time programme.

If in New Zealand: you can bring your Offer of Place with your bank or personal cheque to the Newmarket Campus and pay to:

The International Student Manager,
Techtorium NZIIT Ltd 182 Broadway, Newmarket,
Auckland, New Zealand

You will receive an official Techtorium receipt when your payment has been received. This receipt is essential for completing your Student Visa - keep it in a safe place. Please note: Techtorium will provide a statement with a breakdown of your course related costs after the course has commenced.

ENROLMENT

Conditions of acceptance.

In addition to the conditions listed here, all conditions that are part of the contract with parents, the fees refund policy and other school policies also apply.

1. English Language Proficiency requirements are as follows:

    Level 5 courses: IELTS Overall Band Score 5.5 or maybe accepted subject to passing the internal Techtorium English Language Test during an interview.

    Level 6 courses: IELTS Overall Band Score 6.0 or maybe accepted subject to passing the internal Techtorium English Language Test during an interview.

    Level 7 courses: IELTS Overall Band Score 6.0 or maybe accepted subject to passing the internal Techtorium English Language Test during an interview.

2. Students must accept and abide by rules regarding behaviour and conduct that apply to all students, as laid out in the Student Handbook, sent to you with your Conditional Offer of Place. Unacceptable behaviour may result in the termination of tuition.

3. Students must observe the laws of New Zealand. All disputes will be dealt with in New Zealand law.

4. Students must observe the conditions of their Visa and Student Permit. If a student breaks the terms of the visa/permit, the school will report the fact to the New Zealand Immigration Service, which may result in the student having to leave New Zealand.

5. Because class placements are decided on the evidence of assessment after arrival in New Zealand, all information given before enrolment about placement on courses and in classes is provisional. The institute reserves the right to adjust placements and individual programmes at any time, if it is in the student's interests to do so.

6. The student will attend course on all occasions when it is open unless prevented by illness or other urgent cause.

7. Tuition may be terminated if the student fails to comply with the school rules or breaches the conditions of their visa.

8. Tuition fees will be paid in full before enrolment, or before enrolment is renewed (whichever applies). All additional costs (as outlined in the Student Handbook) will be paid promptly, as required.

9. The conditions of the Fee Protection & Refund Policy will be accepted.

10. All students are required to have travel and medical insurance for the duration of their period of enrolment. The school can arrange insurance unless students choose to make their own arrangements, in which case proof must be provided that the insurance purchased is adequate. The school will keep a record of the policy number and expiry date.

11. You must arrange your accommodation prior to applying for your Visa. Techtorium has an approved Homestay Agency which you may opt to use. You may also arrange your own accommodation with family or stay in a flat or hostel.

12. The school's complaints procedure for international students will be used to deal with grievances.

13. The student and/or parents will provide academic, medical and other information that is relevant to the wellbeing and course placement of the student.

ACCOMMODATION

If have requested Techtorium to arrange Homestay Accommodation you will receive your information pack and invoice for this. The invoice will cover a $200 placement fee, and four weeks advance payment of accommodation. Once you arrive you will be required to pay accommodation weekly, so that you are always paid up at least three weeks in advance.
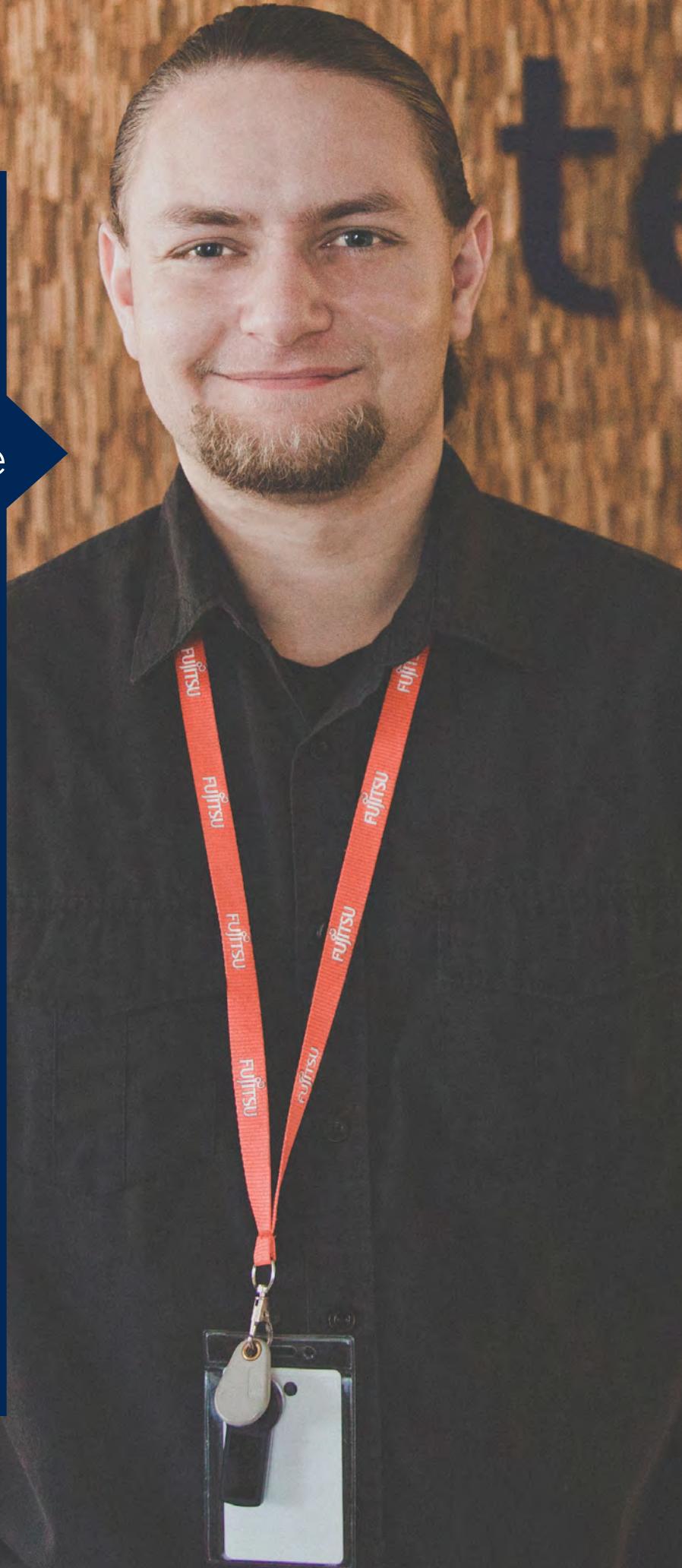
CHANGE OF ADDRESS

Students must inform the school of their address, telephone numbers, fax number and e-mail address. The student will advise the institute of any change type of accommodation (e.g. a change from living with parents to living in a flat) and any change in the contact details of the student and/or parents.

"

The Level 6 course has changed my life. Techtorium believed in me and gave me the opportunity to keep progressing.
I am very excited about my contract with Fujitsu. I have upgraded my skill set in the last Level 6 course to a point where I am so much more confident in IT. Did I mention the course has changed my life?

Devin Hale-Ashby (Level 6 graduate)
Network Engineer – Fujitsu

"

Useful Information

CODE OF PRACTICE FOR INTERNATIONAL STUDENTS

Techtorium NZIIT has agreed to observe and be bound by the Code of Practice for the Pastoral Care of International Students published by the Ministry of Education. Copies of the code are available on request from Techtorium or from the New Zealand Ministry of Education website at **www.minedu.govt.nz/international**

IMMIGRATION

Full details of visa and permit requirements, advice on rights to employment in New Zealand while studying and reporting requirements are available through the New Zealand Immigration Service, and can be viewed on its website at **www.immigration.govt.nz**

WORKING IN NEW ZEALAND WHILE ON A STUDENT VISA

Most international students can work part-time up to 20 hours per week while studying in New Zealand on astudent permit. Please refer to **www.immigration.govt.nz for details.**

LIVING COSTS

The cost of living in New Zealand is generally lower than in most developed countries. In addition to the tuition fees at Techtorium, students need to plan carefully to have sufficient money to cover their accommodation and daily living expenses, such as food, telephone and electricity, daily transport, recreational activities, insurance and other personal needs. It is estimated that students will need on average NZ$360 per week or NZ$15,000 per academic year to cover their living expenses.

ELIGIBILITY FOR HEALTH SERVICES

Most international students are not entitled to publicly funded health services while in New Zealand. If you receive medical treatment during your visit, you may be liable for the full costs of that treatment. Full details of entitlements to publicly funded health services are available through the Ministry of Health, and can be viewed on its website at **www.moh.govt.nz**

ACCIDENT INSURANCE

The Accident Compensation Corporation (ACC) provides accident insurance for all New Zealand citizens, residents and temporary visitors to New Zealand, but you may still be liable for all other medical and related costs. Further information can be viewed on the ACC website at **www.acc.co.nz**

MEDICAL AND TRAVEL INSURANCE

International students (including group students) must have appropriate and current medical and travel insurance while studying in New Zealand. For further information please visit **www.techtorium.ac.nz/international**

www.techtorium.co.nz

tech**t**rium®
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