Careers in Information Technology

**Bachelor of IT (Network Security)**
Offered at Meadowbank Campus, this three-year professional degree prepares you for employment as a network security specialist. Graduates of the Advanced Diploma and Diploma can receive considerable credit towards this degree.

**Advanced Diploma of Network Security**
Includes Cisco certification courses CCNP SWITCH, CCNP ROUTE, CCNP TSHOOT, CCNA Wireless, CCNA Security, CCNA Voice
This qualification has a high-level ICT technical base with advanced security units and the ability to specialise in a number of areas, including voice, wireless, network infrastructure and sustainability. Provides the skills and knowledge to plan, design, manage and monitor an enterprise ICT network as an independent specialist or as part of a team responsible for advanced ICT network security systems.

Employment options: e-security specialist, ICT security specialist, IT security administrator, IT security analyst, systems/network administrator, network security analyst, network security specialist, network security administrator, senior network administrator, systems security analyst

**Diploma of IT Systems Administration**
Includes Cisco certification courses CCNA Discovery (Parts 1-4)
Provides the advanced skills and knowledge required for an individual to be competent in administering a variety of networked computer systems. Skill areas include the installation of a range of networks, including inter-networking, security and e-business integration, as well as virtualisation, project management and business systems management.

Employment options: assistant IT manager, network administrator, systems administrator, IT operations administrator, network support coordinator, network operations analyst, network e-business coordinator

**Diploma of IT Networking**
Includes Cisco certification courses CCNA Exploration (Parts 1-4)
Provides the advanced skills and knowledge required to manage IT systems at the administrator level across the following areas: the installation of a range of networks, inter-networking, security and e-business integration.

Employment options: network administrator, IT administrator, IT operations administrator, network services administrator, network support coordinator, network operations analyst, network security coordinator, network e-business coordinator

**Certificate IV in IT Networking**
Includes Cisco certification courses CCNA Exploration (Parts 1-2)
This is the industry’s entry level qualification providing the skills and knowledge required to install and manage small scale networks as an independent network support technician or as part of a team.

Employment options: network support, network operations support, network operations technician, network technician, network support technician

**Certificate III in Information, Digital Media & Technology (Network Administration)**
Includes Cisco certification courses Cisco IT Essentials, A+
This is a preparatory qualification which will give advanced users competence in a wide range of ICT technical functions and a solid foundation for a career specialising in network administration.

Employment options: help desk officer, help desk assistant, ICT operations support, ICT user support, PC support, technical support

**Certificate III in Information, Digital Media & Technology (Web Technologies)**
This is a preparatory qualification which will give advanced users competence in a wide range of ICT technical functions and a foundation for a career specialising in web technologies.

Employment options: help desk officer, help desk assistant, ICT operations support, ICT user support, PC support, technical support

**Certificate IV in Web Based Technologies (Administration) or (Design & Development)**
These courses are designed for people wishing to pursue a specialised web career designing, developing and/or administering effective websites. This will qualify you for entry-level positions in the industry.

Employment options: assistant web developer or technical writer, webmaster assistant, website coordinator, website or web support administrator, assistant web designer

**Diploma of Website Development**
This advanced level course covers the skills and knowledge needed to plan, design, implement, test and maintain web applications as a professional web developer. Develop enterprise web applications using a range of methods and tools including ASP.NET with C#, SQL, Advanced PHP and MySQL.

Employment options: web developer, web development manager, web programmer, website manager, webmaster, web administrator, internet developer

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## Careers in Information Technology

### Digital Media

**Diploma of Interactive Digital Media**
This qualification level provides advanced creative and specialist technical skills in conjunction with managerial skills and knowledge of current digital media industry trends. You’ll learn how to produce animations and graphics using applications from the industry-standard Adobe suite including Flash, Photoshop, Dreamweaver and Fireworks. You’ll also learn how to design and structure a website, manage projects and how to write and edit for multimedia at a professional level.

Employment options: animation/visual effects designer, creative media consultant/developer, e-business or e-learning developer, flash programmer/ animator, games designer/ developer, information architect, instructional designer, interactive media designer, interface designer, audiovisual editor, web designer, web developer (programming and scripting), website manager

**Certificate IV in Digital Media Technologies (Interactive Media)**

**Certificate IV in Interactive Digital Media**
This qualification level will give you a broad skill base and knowledge of the digital media industries including the skills needed to solve a range of unpredictable digital media problems and analyse and evaluate information from a variety of sources. You will also learn how to author interactive media, design and create user interfaces and apply scripting language in authoring. You can choose to create visual design components, manage projects or write content for a range of media. At this level you could qualify for assistant or support positions in the industry.

Employment options: assistant animator; assistant designer; assistant digital media author; assistant digital media designer; assistant digital media developer; interaction media developer; support digital media developer; support digital media development technician

**Certificate III in Information, Digital Media and Technology (Multimedia)**
This is a preparatory qualification which will give advanced users competence in a wide range of ICT technical functions and lay a solid foundation to pursue further study specialising in multimedia.

Employment options: help desk officer, help desk assistant, ICT operations support, ICT user support, PC support, technical support

### IT Database Design & Development

**Advanced Diploma of Business Analysis**
This qualification provides the skills and knowledge for an individual to be competent in business analysis in an information and communications technology (ICT) environment. As a business analyst you can work as an independent ICT specialist or as a leader of a team. Individuals who complete this qualification will be competent to analyse, identify, and coordinate relevant ICT business solutions to meet given organisational goals.

Employment options: business analyst, business systems analyst, IT business manager, IT manager, project manager, quality assurance manager, solutions architect, requirements analyst, database designer, database developer, database specialist, programmer, assistant database designer or developer, support specialist

**Diploma of Database Design and Development**
This qualification provides the skills and knowledge for an individual to be effective in the design and development of ICT database systems. The qualification builds on a base core of design and development competencies together with programming skills, business analysis skills and project management.

Employment options: database designer, database developer, database specialist, programmer, assistant database designer or developer, support specialist

**Certificate IV in IT Database Support**
This qualification provides the skills and knowledge for an individual to be competent in supporting clients in a range of technical areas such as database support, PC technician or user support. The qualification has a strong information technology base of core units with the inclusion of a range of broader industry-specific units in the areas of database support. This is the entry level qualification for the industry.

Employment options: database support, help desk specialist, network support technician, PC support technician, technical support, user support technician

**Certificate III in Information, Digital Media & Technology (Support)**
This is a preparatory qualification that will give advanced users competence in a wide range of ICT technical functions and is the perfect foundation for a career specialising in technical support.

Employment options: help desk officer, help desk assistant, ICT operations support, ICT user support, PC support, technical support

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