



Information Technology Profile

Employment Nelson-Tasman

Introduction

- ◆ Information technology (IT) is a generic term covering computers, broadcasting, telecommunications, data networks and the 'smart' components becoming increasingly common in cars, televisions and home appliances.

Information Technology can be defined as:

- ◆ **Computer services and software** – data processing services, information storage and retrieval services, computer maintenance services and computer consultancy.
- ◆ **Electronic equipment** – computer and business machine manufacturing, telecommunication, broadcasting and transceiver equipment manufacturing and electronic equipment manufacturing.
- ◆ **Computer and electronic wholesale** – computer, business machine, electronic and electrical equipment wholesaling.
- ◆ Current weaknesses have been identified as the lack of interaction between Nelson IT businesses, lack of related and supporting businesses, rivalry and lack of a stimulating domestic market.
- ◆ Many of the businesses operate from home and have similar target markets. This affects the ability of the industry to grow and gain a competitive advantage.

Employment in the Industry

There are approximately 80 businesses in the IT industry in Nelson-Tasman, employing around 280 staff.

- ◆ The information technology industry in Nelson is made up from a diverse range of activities. The main money earners are software development, telecommunications, web page design and network systems.
- ◆ Future growth in this industry depends on finding qualified staff, or up-skilling existing staff. Marketing expertise and funding are essential to the growth of the Nelson Information Technology industry.
- ◆ Most people are employed by businesses on individual employment contracts. The majority of staff in this industry are employed full time.

What Employers Are Looking For

- ◆ The skills required for this industry include communication, and team skills, a positive attitude, the ability to problem solve, and being able to use imagination.
- ◆ Using a computer or any programmes at home or at work is helpful, but because Information Technology is product focused, you would need specific training with a programme or application.

Current Skill Shortages

- ◆ There is an all round shortage of Information Technology skilled professionals, including database programme writers, systems analysts and internet design engineers.

INFORMATION TECHNOLOGY Categories Employment

Job Title	No's Employ	Job Description	Training
Computer Consultant Includes web page design. Systems Consultant \$43,000+ pa	80	Systems analysis and programming. Analyse available information to arrive at the appropriate solution	Bachelor of IT, Microsoft Certified Systems Engineer or Certified Network Engineer
Computer and Electronic wholesale \$17,700 - \$31,200pa	150	Wholesale computer, accessories, electrical or electronic equipment	Bachelor of IT, National Diploma in Business Computing

Software Programming, recorded media \$40-\$60,000pa	53	Develop software programmes for specific needs company or project.	Bachelor of IT
Computer Technician/Operator Trainee \$25-\$35,000pa		Supporting role for critical business functions	Cert in Business Computing, National Diploma in business Computing.
Computer Systems Engineer Qualified \$35-\$50,000pa		Engineers work in a supporting role for business functions	Bachelor of IT, CSE, Microsoft Certified Professional, Certified Network Administrator
Electronic Equipment \$37-\$60,000pa	15	Manufacture computers or business machines	Bachelor of IT, National Diploma in Business Computing
Data Processing \$26-\$31,000pa		Data entry & processing information	Cert in Applied Computer Tech
Computer Maintenance \$30-\$51,000pa	9	Computer maintenance & repair	Bachelor of IT, National Diploma in Business Computing
Information Help Desk, Support \$25-\$35,000pa	30	Provide computer advice & support over the phone	Cert in Business Computing, Bachelor of IT
Information Systems Consultants \$55-\$81,000pa	100	To provide technical applications and support to relationship managers	Bachelor of IT, National Diploma in Business Computing, management training
Graphic Designers \$29,900 – \$36,500pa	73	To design graphics for advertisements, articles, web page development	Bachelor of IT, National Diploma in Business Computing
Print Finisher/ publisher	130	To make printed items, books, newspapers screen printers	On job training, modern apprenticeship

Some Training Pathways to Employment

- ◆ Employers recognise industry standards such as Microsoft or Cisco.
- ◆ Qualifications range from certificates, through to degrees, and can be studied in a number of tertiary institutes.
- ◆ **National Certificate in Computing Level 2 and 3 – NMIT.** Duration 15-18 weeks.
- ◆ **Certificate in Computing – NMIT** 34 weeks, Pre entry Sixth Form Certificate or the equivalent.
- ◆ **National Diploma in Business Computing (NDBC) Years 1, 2, and 3 - NMIT.** Duration 1-3 years. Pre entry – Good Sixth Form Certificate grades or equivalent.
- ◆ **Bachelor of Information Technology (BIT) – NMIT.** Duration 3 years.
- ◆ There are also a number of training providers offering short introduction courses into computers, which may be sufficient to get into office work.
- ◆ **Modern apprenticeships in Printing** are available for those interested in training in-sheet feeding, screen printing or packaging/binding.

Some Major Employers

- ◆ MSL Group (Computerland Nelson, Nimbus Accounting, Vista Software, SQL Services)
- ◆ Nelson Marlborough Institute of Technology
- ◆ Sealord Group
- ◆ Nelson Marlborough District Health Board
- ◆ Cogent Communications
- ◆ Telecom New Zealand
- ◆ Neltech
- ◆ Mandy Computing
- ◆ Computer Networx