



# 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
<b>Computer Consultant</b> Includes web page design. <b>Systems Consultant</b> \$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
<b>Computer and Electronic wholesale</b> \$17,700 - \$31,200pa	150	Wholesale computer, accessories, electrical or electronic equipment	Bachelor of IT, National Diploma in Business Computing

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