Recent Insights

- Increase in advertised ICT Jobs every month since January 2010, with the exception of June & August
- 75%, or more, of Seek ICT jobs advertised for all regions in NZ are full time
- Diploma in IT completions (NZ) averaged 18% of enrolments between 2003 & 2007. In 2008 24% of those enrolled completed an IT diploma.
- Degree IT completions (NZ) peaked at 10% in 2005, falling to 6% in 2008
- New (September) TEO performance measures set benchmarks for course and qualification completions
- According to the US Bureau of Statistics nearly \( \frac{3}{4} \) of new science or engineering jobs in the U.S. are going to be in computing
- The global ICT skills gap is growing
ICT Jobs NZ Trends - Recession & Recovery

Institutes of Technology & Polytechnics (ITP) ICT Enrolments (24% Increase 2007 to 2010)

Source: Seek ICT (Accessed September 2010)
Institutes of Technology & Polytechnics (ITP)
ICT Enrolment Trends
2002 to 2010

Source: NACCQ EFTS (Accessed March 2010)
Wintec School of IT
Combined Diploma & Degree EFTS
2002 to 2010

Wintec IT Diploma (L5 & L6) Domestic & International Enrolment & Completion Trends 2003 to 2009

Wintec IT Diploma (L5 & L6) Completions as a Percentage of Enrolments 2003 to 2009

IT Diploma (NZ Domestic & International) 
Enrolments & Completions 
2003 to 2008

IT Diplomas (NZ Domestic & International) 
Completions as a Percentage of Enrolments 
2003 to 2008

Source: Education Counts (Accessed August 2010)
Bachelor IT Degrees
Enrolment & Completion Trends
(NZ Domestic & International)
2003 to 2008

Total
Enrolments

Bachelor IT Degree
Completions as a Percentage of Enrolments
(NZ Domestic & International)
2003 to 2008

% 10

0 1

% 8

0 1

% 6

0 1

% 4

0 1

% 2

0 1

% 0

0 1

% 2003 2004 2005 2006 2007 2008

0 5,000 10,000 15,000 20,000 25,000

0 1

0 1

0 1

0 1

0 1

0 1

2003 2004 2005 2006 2007 2008

Source: Education Counts (Accessed August 2010)
Conclusion: This measure gives an erroneous result

Source: Education Counts (Accessed August 2010)
Conclusion: These measures better quantify successful outcomes.
An increase August to September for both Seek ICT & Trademe

Source: Seek ICT & Trademe (Accessed September 2010)
Seek ICT Jobs
% Increase
January - September 2010

- Canterbury – previously Christchurch
- Waikato – previously Hamilton

Source: Seek ICT (Accessed September 2010)
Seek ICT Work Type
NZ, Auckland & Wellington
August 2010

Seek ICT Work Type
Waikato & Canterbury
August 2010

These are typical monthly percentages

Source: Seek ICT (Last accessed August 2010)
Seek ICT Jobs NZ
Jan - Sept 2010

Note: Overall figures for Waikato is typical of smaller NZ regions
Source: Seek ICT (Accessed September 2010)
Waikato ICT Job Market

- Gallagher Group
- Wintec (ITS ~30 Staff)
- Gen-i
- Hamilton City Council (HCC)
- Waikato DHB
- Interspeed
- PB Technologies
- Connect NZ
- Livestock Improvement Corporation Ltd (LIC)
- Datacom Systems Ltd
- Elite Business Systems Ltd
- University of Waikato
- Retail (PB Technology, Dick Smith, Heathcote Appliances, etc.)
Career Services: Computing & IT Jobs IT

- Administrator (Website)
- Analyst Programmer
- Call Centre Adviser
- Chief Information Officer
- Computer Applications Engineer
- Computer Programmer
- Computer Systems Analyst
- Computer Systems Technician
- Computing Services Manager
- Content Developer
- Customer Service Professional
- Customer Service Representative (CSR)
- Database Administrator
- Database Analyst
- Database Developer
- Desktop Support Analyst
- Desktop Support Technician/Engineer
- Documentation Specialist
- Graphic Designer (Web Pages)
- Hardware Engineer
- Helpdesk Operator
- Information Designer
- Information Services Manager
- Information Systems Engineer
- Information Systems Technician/Consultant
- Information Technology Manager
Global IT & T Job market: Predicted Skills Shortages

1. **Asia**: A study by Gartner (Indo-Asian News Service (IANS), July 27 2009) estimates that once the economy recovers and IT budgets are restored over the next 12-18 months the IT industry in the region will require about 1.5 million skilled personnel by 2012.

2. **NZ**: IT employers are most optimistic and reporting strongest confidence levels nationally (of all employers) in their intentions to:
   - Increase permanent staff levels (40.4%)
   - Increase contracting/temporary hiring (12.8%)
   - IT skills shortage expected to remain for the foreseeable future

3. **NZ**: Skills shortage to return, but with variations;
   - This year is likely to see a return of the skills shortage that plagued the IT industry in 2007 and 2008 (ComputerWorld: Accessed April 2010)
4. **UK**: This month's KPMG and Recruitment and Employment Confederation (REC) report on jobs

- Shows that IT and computing workers are the most sought after of eight sector verticals including hotel and catering and executive/professional

- Follows a series of positive reports on the IT jobs market, including a Financial Times report, stating that nearly half of IT directors are proposing to boost headcount in 2010 ([Computing.co.uk](http://Computing.co.uk): Accessed April 2010)

5. **Australia**: Australia is facing a critical IT skills shortage in some areas and locations (Richard Fischer, managing director of IT recruiter Greythorn Australia.

- Acting chief executive Jeff Knowles;

- Peoplebank will ask for a further increase on recruitment of 150 to 200 overseas nationals annually

- Predicts a skills shortage by the middle of this year in New South Wales, Victoria and Canberra if more workers cannot be found. ([Expatforum.com](http://Expatforum.com) Accessed July 2010)
6. **Malaysia**: KUALA LUMPUR, 18 MARCH 2010 -- Malaysia's ministry of higher education has signed an agreement with networking solutions firm Cisco to help address the country's growing ICT skills shortage. *(MIS Asia Accessed April 2010)*

7. **Canada**: Despite the recent recession, Canada faces a shortage of skilled IT talent and the situation is only going to get worse, experts say *(itbusiness.ca Accessed April 2010)*

8. **Australia**: Recruitment firms have predicted an imminent skills shortage in the ICT industry, specifically in mid-level management, as a result of reduced hires during the global financial crisis (GFC) *(ComputerWorld Accessed July 2010)*

9. **South Africa**: Researchers say the shortage of South Africans with information technology (IT) skills is so acute it is making some South African businesses worried that they will be unable to survive. If the survey’s results are extrapolated across the whole sector it looks like SA needs about 72000 more people with IT skills, says Centre for Software Engineering applied research unit manager Adrian Schofield. *(Textio Accessed July 2010)*

- For the foreseeable future computing will be one of the fastest-growing U.S. job markets in science, technology, engineering, and mathematics (STEM)
- Nearly 3 out of 4 new science or engineering jobs in the U.S. are going to be in computing!
- Approximately 1 in 5 computing jobs will be in networking

Conclusions:

- Global recession had a significant impact
- Global demand increasing
- Global skill shortages signalled
- Future ICT job potential extremely healthy
- Educate and train now to be ready for the economic upswing...