

YOUR DIGITAL REVOLUTION

INFORMATION TECHNOLOGY
INDUSTRY INSIGHTS



**JOB FOCUSED
TRAINING**



**CUTTING EDGE
FACILITIES**



**EXPERIENCED
TEACHERS**

**MAKE
GREAT
HAPPEN**

tafe
Queensland

INTRODUCTION TO THE INDUSTRY.

From your phone to your fridge and your desktop, technology is reshaping all areas of life.

According to data released by Deloitte and the Australian Computer Society, opportunities in and around information and communication technology (ICT) are expected to grow at a rate of 2.5% per year through to 2020ⁱ. From cyber security masters through to accountants and health professionals, an understanding of coding, networking and web development could help you redefine your role, now and in the future.

For the specialists among you, there are another 100,000 ICT professionals needed in the Australian job market in the next few years. Whatever your specialisation, passion or current profession, now is the time to dive into digital.

Trust us when we say, information technology is the new black.

TOP 5 INDUSTRY TRENDS



INCREASE IN ROBOTICS PROGRAMMING

It is predicted that the call for experts in robotics programming is going to increase dramatically as we shift to a future upheld by smart devices, automation and services botsⁱⁱ.



GROWING DEMAND FOR DATA

By 2020, each person will generate 1.7 megabytes of new information each secondⁱⁱⁱ. This creates growing demand for marketing and management data specialists to unravel the never-ending story contained within.



CYBER SECURITY TO INCREASE IN WORTH

By 2021, it is predicted that the cyber security industry will be worth more than \$2.6 billion AUD^{iv}. Why? The world needs people to protect it from its own technology.



USER EXPERIENCE WILL RULE

From marketing to transaction services, people now expect all digital experiences to be engaging, seamless and simple. To make this happen, we need ideas from innovative digital design professionals.



TURNING DISRUPTION INTO INNOVATION

As proven by Elon Musk and brands such as Uber, a good idea paired with the right resources can shake the world^v. This is a great time to be a creative tech professional.

ⁱ Deloitte, A. &. (2015, June 16). *ICT skills shortage points to enormous career opportunities*. Retrieved November 2, 2016, from Deloitte: <http://www2.deloitte.com/au/en/pages/media-releases/articles/ict-skills-shortage-points-to-enormous-career-opportunities-160615.html>

ⁱⁱ CEDA. (2015). *Australia's Future Workforce? Committee for Economic Development of Australia*.

ⁱⁱⁱ Marr, B. (2015, September 30). *Big Data: 20 Mind-Boggling Facts Everyone Must Read*. Retrieved November 3, 2016, from Forbes: <http://www.forbes.com/sites/bernardmarr/2015/09/30/big-data-20-mind-boggling-facts-everyone-must-read/#6ef16a4b6c1d>

^{iv} Markets and Markets. (2016). *Cyber Security Market by Solutions*. Markets and Markets.

^v Patel, J. (2015, November 20). *When the Disrupted Become the Disruptors*. Retrieved November 2, 2016, from <https://www.wired.com/insights/2013/09/when-the-disrupted-become-the-disruptors/>: <https://www.wired.com/insights/2013/09/when-the-disrupted-become-the-disruptors/>

JOB SATISFACTION, SALARY & KEY BENEFITS

Information technology skills can empower you to do more, whatever industry you want to be in. The 100,000 dedicated ICT professionals needed in the workforce is only the tip of the iceberg^{vi}; from human resources data managers to research analysts, some of the top roles today and in the coming years have a distinct IT twist^{vii}.

Those with the skills to safeguard our data and livelihoods in the years to come (cyber security experts) are already among the top earners in the workforce. The salary expectation for the average specialist ranges from \$55,000 to \$137,000, depending on employer and experience^{viii}.

GROWING INDUSTRY



SALARY ESTIMATE



CREATING JOBS



MAKE GREAT HAPPEN

TAFE Queensland has been in the business of change for more than 130 years. In this time, we have experienced change in all forms, and we've adapted at every turn – matching every new industry skill and social shift.

With the coming of the digital revolution, we've taken it upon ourselves to infuse our courses with the digital skills and computer literacy expected by employers today and the industries of tomorrow. Nurses, analysts, coders, designers, teachers and florists can now evolve their roles and their fields as a whole with these once niche skills.

From cyber security and networking, to coding, data and design, we can equip you for a career where the possibilities are only defined by your drive.

Tap into a future that is still unfolding and Make Great Happen with TAFE Queensland.

vi Deloitte, A. &. (2015, June 16). *ICT skills shortage points to enormous career opportunities*. Retrieved November 2, 2016, from Deloitte: <http://www2.deloitte.com/au/en/pages/media-releases/articles/ict-skills-shortage-points-to-enormous-career-opportunities-160615.html>

vii Smith, J. (2015, December 3). *The 19 Hottest Jobs for 2016*. Retrieved November 4, 2016, from Business Insider: <http://www.businessinsider.com/hottest-jobs-for-2016-2015-12///?r=AU&IR=T>

viii PayScale. (2016, October 28). *Information Security Analyst Salary*. Retrieved November 4, 2016, from PayScale: http://www.payscale.com/research/AU/Job=Information_Security_Analyst/Salary



“Everything we did, we were setting the tone for the world.”

Steve Wozniak



tafeqld.edu.au/enrolnow

© 2016 TAFE Queensland. All rights reserved.

TAFE Queensland Brisbane | RTO No. 0275 | CRICOS No. 03020E | TAFE Queensland Gold Coast | RTO No. 0083 | CRICOS No. 03037G
TAFE Queensland East Coast | RTO No. 0418 | CRICOS No. 02004B | TAFE Queensland Skills Tech | RTO No. 31396 | CRICOS No. 02014M
TAFE Queensland North | RTO No. 0542 | CRICOS No. 02012B | TAFE Queensland South West | RTO No. 0526 | CRICOS No. 02011C

**MAKE
GREAT
HAPPEN**

