Australian Government Information and Communication Technology (ICT) Apprenticeship Program

The Australian Government ICT Apprenticeship Program targets students who are currently completing their Year 12 studies. As an apprentice you will complete an ICT qualification as well as work within an Australian Government agency in ICT related areas such as:

- Infrastructure support
- Networking
- Programming
- Applications development
- Web development
- Systems testing
- Systems analysis and design
- Systems management
- Project management
- Service desk.


**Australian Jobs 2014 now available**

This publication can be accessed at [http://docs.employment.gov.au/system/files/doc/other/australian_jobs_2014_publication.pdf](http://docs.employment.gov.au/system/files/doc/other/australian_jobs_2014_publication.pdf). It includes information about the labour market for industries and occupations as well as states, territories and regions of Australia. It also provides employment opportunity information that will help you understand where the jobs might be in the future. For example, the following information is from page 24 of *Australian Jobs 2014*.

The ten occupations with the largest number of new jobs expected to November 2018 are:
Carers, Aged and Disabled
Sales Assistants (General)
Registered Nurses
Clerks (General)
Child Carers
Retail Managers
Accountants
Advertising and Sales Managers
Electricians
Education Aides.

This does not mean that there will not be new jobs in other occupational areas. It means that the above jobs are expected to have the largest number of new jobs.

The 10 skills you’ll need for the jobs of 2020

The following is adapted from an article by Peter Harris, accessed from a Canadian career website at http://click.xydo.com/toolbar_view/3861/5/839?e=W1VOSVFVRV0.

The world of work is changing rapidly – new technologies, population changes, globalisation, new communication tools, etc. These changes are going to create a massive shift in the kinds of jobs that we do in the future and in the skills that we will need to do them. It has been suggested that the 10 most essential skills we will need to thrive in the jobs of 2020 are:

- **Sense-making**: The ability to determine the significance of what is being expressed.
- **Social intelligence**: The ability to connect to others in a deep and direct way.
- **Novel and adaptive thinking**: A proficiency at thinking and coming up with solutions and responses beyond the rote or rule-based methods.
- **Cross-cultural competency**: The ability to operate in different cultural settings.
- **Computational thinking**: The ability to translate vast amounts of data into abstract concepts and to understand data based reasoning.
- **New Media Literacy**: An ability to critically assess and develop content that uses new media forms.
- **Transdisciplinary**: Literacy in and ability to understand concepts across multiple disciplines.
- **Design Mindset**: Ability to represent and develop tasks and work processes for desired outcomes.
- **Cognitive load management**: Ability to discriminate and filter information for importance.
- **Virtual collaboration**: Ability to work productively, drive engagement and demonstrate presence as a member of a virtual team.

The best to worst jobs of 2014
CareerCast.com, an American organisation, has ranked 200 jobs from the best to the worst. Each job was ranked according to four criteria:

- Environment – including physical (e.g. physical demands, work conditions) and emotional components (e.g. competitiveness, personal hazards, degree of public contact)
- Income – calculated on mid-level income and income growth potential
- Outlook – including employment growth, income growth potential and unemployment level
- Stress – calculated on 10 stress factors including travel time, deadlines, own life at risk, working in the public eye, competitiveness.

The 10 best jobs, based on overall rankings, were Mathematician, University Professor, Statistician, Actuary, Audiologist, Dental Hygenist, Software Engineer, Computer Systems Analyst, Occupational Therapist and Speech Pathologist. See the full list at http://www.careercast.com/jobs-rated/best-jobs-2014. Read the ‘Our methodology’ section for more information on how the jobs were ranked.
Resources for students interested in the Australian Defence Force (ADF)

The online Defence Jobs Recruitment Centre has a series of videos designed to explain the recruitment process for prospective candidates. The videos cover important milestones from enquiry to enlistment. Visit [http://www.defencejobs.gov.au/recruitmentCentre/canIJoin/default.aspx](http://www.defencejobs.gov.au/recruitmentCentre/canIJoin/default.aspx) to access the videos. The coming school holidays are a good time for Year 11 and 12 students interested in a career in the ADF to begin their application. This can be started on the website or by telephoning 131901.
School holiday career exploration

An important strategy in career exploration is experiencing the career area in which you are interested. This can be undertaken in a number of ways:

- work observation - spending a day or more shadowing someone already in the job at their workplace
- career interview – developing a list of questions and interviewing someone already in a job you are investigating
- work experience – spending some time (a week is usually sufficient) in the job
- investigating courses by visiting institutions and talking to providers about their courses
- getting a part-time job in your career area of interest
- doing a course or workshop in your career area of interest.

The school holidays are a perfect time to do some of these activities. If you need help organising an activity, speak to your school guidance counsellor/officer.
Competitions

Registrations are now open for the Central Queensland robotics competition

If you live in the Central Queensland region and you enjoy designing and building robots, this is the competition for you. It will be held on 1 August 2014 at the CQUniversity Community Sports Centre in Rockhampton. The competition is open to primary and secondary school students within Central Queensland, including the area from Mackay to Bundaberg and out west to Longreach. For more details, visit http://www.cqu.edu.au/engage/cq-junior-robotics-competition.

The Questiko Solution Game

$60 million is missing – and so is Harry Cook! Your job is to find the money and the perpetrator. For your efforts you could win the grand prize of either $2,000 worth of Flight Centre travel vouchers or a MacBook Pro. There are also monthly prizes. Visit http://www.charteredaccountants.com.au/Students/Whats-on/Event-listing/National-event-info/The-Questiko-Solution.aspx for more information.
Australian Industry Trade College (AITC) Information Session

AITC is a Queensland registered senior college. It offers accredited courses leading to the Queensland Certificate of Education. AITC students attend college in four-week modules and are in a work placement for the remainder of the term. The college will hold an information session from 5 pm on Wednesday 18 June 2014 at its campus, which is located at Robina on the Gold Coast. Find out more at http://www.aitc.qld.edu.au/.

Charlton Brown – working with people courses

Charlton Brown, a registered training organisation and employment placement agency, offers accredited certificate and diploma level courses in childcare, aged care, disability care and community services. Charlton Brown is accredited for VET FEE-HELP and the Certificate III guarantee. It will hold open days on the following 2014 Saturdays from 10 am – 1 pm:

- 12 July
- 16 August
- 13 September
- 18 October
- 22 November
- 13 December.

Students wishing to attend an open day should telephone 3216 0288 to register. For more information about this institute and its courses, visit http://www.charltonbrown.com.au/.

Conquering calculus workshops

These workshops are offered by the University of Southern Queensland to promote maths to Year 12 students and provide them with a university experience. They will be held on:

- 7 - 8 July 2014 on the Fraser Coast campus; see http://www.usq.edu.au/news-events/events/2014/07/calculus-ice-breaker-workshops.
Interested in an art career?

The Queensland University of Technology (QUT) will hold its Art/Work event from 6 – 8 pm on Wednesday 16 July 2014. At this event young QUT graduates will talk about their pathway to a visual art career. For bookings, visit the website at http://www.artmuseum.qut.edu.au/schools/artwork.jsp.

June/July holiday courses for media buffs

Media Potential offers school holiday television-presenting courses for students aged from 13 to 17 years who have an interest in television presenting, media or journalism. While the course is tailored to those with media interest it would also be beneficial to any student wishing to increase their confidence and public speaking skills. The school holiday television presenting programs are based at the Channel 7 studio on Mt Coot-tha. Visit http://www.mediapotential.com.au/tv-presenting-courses/school-holiday-workshops/ for more information.

NIDA short courses in Queensland

The National Institute of Dramatic Art (NIDA) conducts short courses at various centres in Queensland during school holidays and term time. Go to http://www.open.nida.edu.au/courses/Demographic/Young+People for details about these courses.

Oxford and Cambridge Summer Academy

This program is for students aged 16 – 18 years who are interested in applying to study at Oxford and/or Cambridge Universities in the United Kingdom. The program is from 6 – 19 July 2014 in the United Kingdom. Find out more at http://oxfordcambridgesummeracademy.com/.

Selected career/course events in June and July 2014

June


16 - CQUUniversity's Start Uni Now (SUN) program application due date for Term two http://www.cqu.edu.au/study/who-am-i/school-leaver/start-uni-now-sun


20 – UMAT late registration due date http://umat.acer.edu.au/
23 - Investing in your future - Bond scholarship seminar at Bond University

24 - Queensland University of Technology Year 10 Subject Selection event for Science, Health, Engineering and Mathematics Careers

26 - Investing in your future - Bond scholarship seminar at Rockhampton Grammar School

26 - University of Queensland Engineering Futures Evening

30 - Tertiary Preparation Workshop at the Queensland Conservatorium, Griffith University South Bank Campus

30 - University of Southern Queensland's Head Start Program application due date for Semester two
http://www.usq.edu.au/future-students/high-school-students/head-start

July

3 - Australian Catholic University - University Experience Day
http://www.acu.edu.au/about_acu/our_university/important_dates

7–11 - Musical Theatre Audition Workshop at Griffith University

10-11 - Griffith University Architectural Design Workshop

13 - Bond University Open Day

17 - University of Queensland WE Explore Engineering Day
http://www.eait.uq.edu.au/we-explore-engineering-day

18 - Careers in Commerce Day at Griffith University

19-20 - TSXPO (Tertiary Studies Expo) in Brisbane
http://www.tsxpo.org/

23 - University of Queensland Engineering and Technology Careers Evening
Swiss Hotel Management School in Switzerland


**Term three – an important time for Year 12 students**

Term three is a very important and busy time of the year for Year 12 students. If you haven’t already decided what you are going to do in 2015, this is the time to access information about the options available. The following is a selection of events and activities that will be held in term three to help you with your decision-making.

**Tertiary Studies Expo (TSXPO)** - This is a must attend event for South-East Queensland Year 12 students planning to go on to further study in 2015. It will be held from 10 am – 4 pm on Saturday 19 and Sunday 20 July 2014 at the Exhibition Building, RNA Showgrounds, Brisbane. See the website at [http://www.tsxpo.org/](http://www.tsxpo.org/) for information about participating institutions, seminar presentation details, bursary information and details about the iPad competition and Bursary Award.

**Regional career expos** – Many of these will occur in July and August. They provide a great opportunity to explore employment opportunities and further education and training options. See dates on the QTAC website at [http://www.qtac.edu.au/Schools/OpenDays.htm](http://www.qtac.edu.au/Schools/OpenDays.htm).

**Institution open days** - Most of the institution open days occur in Term three. Open days provide an opportunity to learn more about the institutions and courses in which you are interested. Make the most of open days by developing a list of questions to be answered at the event. See open day dates on the QTAC website at [http://www.qtac.edu.au/Schools/OpenDays.htm](http://www.qtac.edu.au/Schools/OpenDays.htm).

**QTAC applications open** - QTAC applications open on 5 August 2014. The application is online and costs $34. Students are strongly encouraged to apply by 30 September 2014 for tertiary courses commencing in Semester one 2015. A late fee of $130 is imposed from 1 October 2014. For information about the

Scholarships - Most university scholarship applications open in Term three and close in October/November. An exception is Bond University, which has its scholarship closing date on 31 July 2014. Every university has a section on its website about scholarships. Find out the application process and due date early to avoid missing out on a scholarship. If in doubt about your chances, apply anyway.

University of Queensland (UQ) snippets

Robotics holiday workshops – UQ offers holiday workshops for students in Years 7 –12 in Robotics and Artificial Intelligence. They also offer Robogal workshops for girls. For more information, visit http://www.eait.uq.edu.au/activities-for-high-schools and click on ‘School Holiday Robotics’. To register for a workshop, telephone 3365 3853 or email schools@eait.uq.edu.au.

UQ’s Integrated Pathology Learning Centre – This centre, located in the Health Sciences Building at Herston, is an interactive pathology museum. Health science students at UQ use it as part of their studies. Take a virtual tour of the centre at http://vimeo.com/40189044.

International students – International students studying Year 12 in Australia should apply for UQ courses through QTAC (except for IB students, who apply directly to UQ). Students will be sent conditional offers by UQ in October and confirmed offers by UQ after the release of Year 12 results (QTAC does not send the offers). Find out more about the application and offer process at http://www.uq.edu.au/international-students/.

Accommodation – UQ has 10 residential colleges on its St Lucia campus and the Halls of Residence on the Gatton Campus. Interested students are encouraged to research the colleges and visit them on open days. Most colleges provide pastoral care, academic guidance, tutorial programs, community service activities and inter college cultural, sporting and social programs. Find links to the college websites at http://www.uq.edu.au/student-services/accommodation/long-term-on-campus. Applications for Semester one 2015 should be submitted by 30 September 2014 through the Residential Colleges portal (there is a link from each college website).

Non-resident programs at residential colleges – Many of the residential colleges at UQ have programs for non-residents. The programs may include participation during O Week, access to tutorials, pastoral care and academic support. Non-residents can use the college as a ‘home base’. Check the residential college websites for information about these programs.

Stay up-to-date with UQ – Receive news about UQ courses, scholarships, entry requirements and much more by registering to receive the UQ Student Update. See https://uqcurrent.custhelp.com/ci/documents/detail/2/keepuptodate.
University of the Sunshine Coast (USC) Parent Information Evening

This event will be held from 5.45 (for 6 pm start) – 7.30 pm on Thursday 3 July 2014 in Lecture Theatre 2, Building K, Sippy Downs campus. During the evening, parents will be given information and tips on how to support their children through their journey towards university. There will also be guest presentations on understanding your teen. For more information and to book, visit http://www.usc.edu.au/study/study-at-usc/information-events/2014/june/parent-information-evening.

Updates from Griffith University

**Open Day** – This is a great opportunity to explore the Griffith campuses, check out the courses and talk to students and staff. It will be held on Sunday 10 August at the South Bank, Nathan and Gold Coast campuses. Find out more at http://www.griffith.edu.au/open-day.

**Griffith Connect Admission and Academic Excellence Bursary** – Students in Griffith partner schools can apply for this bursary. Online applications open in July and close on 20 September 2014. See your Guidance Counsellor/Officer for more information.

**Griffith University Early Start to Tertiary Studies Program (GUESTS)** – This program is for OP eligible senior students who wish to undertake a subject at Griffith. Year 11 students can apply for Summer Semester 2014 or Semester 1 2015. Applications close on 15 October 2014. Find out more at http://www.griffith.edu.au/pathways/guests-program.

**Aptitude for Engineering Assessment** – This test offers students a pathway into the B Engineering or the B of Engineering Technology at either the Nathan or Gold Coast campuses. Registrations close on 9 September 2014. Visit http://www.griffith.edu.au/engineering-information-technology/griffith-school-engineering/future-students/aptitude-engineering-assessment.

**Architectural Design Workshop** – This event will be held on 10 – 11 July at the Gold Coast Campus. It is for high school students who are interested in studying architecture. Find out more at http://www.griffith.edu.au/environment-planning-architecture/architecture/news-events.

**Griffith Engineering Program** - Griffith’s accelerated engineering program offers high-achieving students the chance to complete a recognised first year Griffith engineering course (subject) while studying Year 11 and 12 and get a head start on their degree. See http://www.griffith.edu.au/engineering-information-technology/griffith-school-engineering/future-students/griffith-eng-year-11-year-12-program. Applications close on 20 June 2014 for Year 11 students.

**Careers in Commerce day** – This event will be held on Friday 18 July 2014. It will provide you with information about careers in accounting, economics, finance and financial planning. Note that you need to register to attend through your
APM College of Business and Communication Industry Scholarship

APM College of Business and Communication has campuses in Sydney and Brisbane (Fortitude Valley). It offers accredited degree courses in Business, Marketing, Event management and Public relations. APM students have access to the FEE-HELP financial assistance scheme. One full degree scholarship will be available for studies in 2015 at APM’s Brisbane campus. Information about the 2015 scholarship can be accessed at http://www.apm.edu.au/apply-online/scholarships. Additional information can be obtained by contacting the college directly.

Interstate university scholarships

If you are interested in studying at an interstate university you should explore the scholarships available now. You should also find out about the accommodation that is available and its cost. Check out the due date for accommodation applications. The following are links to a selection of interstate university scholarship websites.

- Australian National University (Canberra) http://students.anu.edu.au/scholarships/ug/
- Monash University http://monash.edu/study/scholarships/
- University of Adelaide http://www.adelaide.edu.au/scholarships/
- University of Melbourne (Victoria) scholarships http://futurestudents.unimelb.edu.au/admissions/scholarships
- University of Sydney http://sydney.edu.au/future-students/domestic/undergraduate/scholarships.shtml
- University of Tasmania http://www.utas.edu.au/scholarships-bursaries
- University of Western Australia http://www.scholarships.uwa.edu.au/

University of New South Wales (UNSW) Co-op Scholarship Program

The UNSW Co-op Program is more than a scholarship. It is a scholarship that incorporates industry experience, leadership and professional development, networking and mentoring. It is available for high achieving students studying in the fields of business, science, engineering and built environment. The scholarship is worth $16,750 per year for up to four or five years (depending on the course being studied). Applications for this program must be submitted online by 30 September
2014. Interested students should register for the scholarship now at http://www.coop.unsw.edu.au/.
Challenges Abroad

This organisation offers a wide range of gap year volunteering, teaching, travel and internship opportunities across Asia, Africa, South America and Europe. It arranges trips from two weeks to 12 months. The main focus of the gap year program is volunteer work but participants will also have time on weekends and at the beginning or conclusion of their trip to explore and immerse themselves in the culture of their chosen country. For details, go to http://www.challengesabroad.com.au/.

Gap year program events and due dates in June 2014

17 - Lattitude Global Volunteering online information session

24 - IEP Working Adventures Worldwide information sessions on the Sunshine Coast

25 - IEP Working Adventures Worldwide information sessions in Brisbane

27 - Lattitude Global Volunteering applications close for placements in 2015
http://www.lattitude.org.au/

SI Explorers

This organisation offers adventure programs. It takes participants to several places in the world doing a range of different activities. If you are interested in adventure and taking a chance, visit http://www.isvolunteers.org/.
Are you considering a career in business?

If so, join OneNetwork. It is a free student club for high school and university students that provides access to a range of career opportunities. For more information see http://www.charteredaccountants.com.au/Students/OneNetwork.aspx.

Career as a nutritional therapist

The Australian Institute of Applied Sciences has information about the career of nutritional therapist on their blog at http://www.aias.edu.au/ (click on ‘blog’). For information about being a Nutritionist do a search on my future at http://www.myfuture.edu.au.

Health Heroes website – jobs in health

The Health Heroes website at http://healthheroes.health.gov.au/ is a resource that has been developed as part of a campaign to encourage Aboriginal and Torres Strait Islander secondary students to pursue a job in the health sector. However the information on the website is useful for all students. The Health Heroes website provides information on a range of health jobs, training options and career pathways in the health field. It includes an interactive career quiz, which suggests a range of health jobs based on participants’ interests and skills base. There are case study videos on the website of young Indigenous people talking about their real experiences and health-related jobs.

Mathematicians

According to the Australian Skills Recognition Information system (https://www.immi.gov.au/asri/), Mathematicians develop and apply mathematical principles and techniques to solve problems in all areas of the sciences, engineering, technology, social sciences, business, industry and commerce (which is more or less all the employment areas you can think of!).

The personal requirements for jobs in this field are imagination, analytical skills, initiative, perseverance, ability to work independently or as part of a team and problem-solving ability (from myfuture at http://www.myfuture.edu.au). The Job Outlook website (http://joboutlook.gov.au/) states that employment for Actuaries,
Mathematicians and Statisticians to November 2017 is expected to **grow strongly in Australia**. The weekly average earnings for these jobs per week are $1627.00.

More information about this occupational area can be accessed from the following websites:

- **Association for Women in Mathematics** [http://www.awm-math.org/career.html](http://www.awm-math.org/career.html) - see ‘Career advice and opportunities’

**The Guide to Environmental Careers in Australia**


**Want to know more about being an Optometrist?**

Bond University Open Day

Bond is Australia’s only private university. While students pay the full cost of the courses, they can apply for Federal Government loans through the FEE-HELP program. Bond offers a range of courses, including Architecture, Communication, Creative Media, Health Sciences and Medicine, Humanities and Global Studies, Law, Property and Sustainable Development and Social Sciences. Bond will hold its open day from 10 am – 3 pm on Sunday 13 July 2014. For more information about the day and to register online, visit http://bond.edu.au/about-bond/news-and-events/events/events/BD3_015891.

Open Days at TAFE Queensland North campuses

TAFE North (previously Tropical North Institute of TAFE, Mount Isa Institute of TAFE and Barrier Reef Institute of TAFE) will hold the following open days at its campuses:

- Saturday 12 July 2014 at Mount Isa Campus
- Sunday 3 August 2014 at Cairns Campus
- Sunday 17 August 2014 at Townsville Campus.


Sunshine Coast Daily Careers Expo

This expo will be held on Thursday 22 July 2014 at the University of the Sunshine Coast Sports Stadium at Sippy Downs. At this event you can gather information about training, tertiary studies, apprenticeships, scholarships and career options. You can participate in ‘hands on’ activities and go in the draw to win an Apple iPad. Visit http://www.careersevent.com/sunshinecoast09/Home.php to find out about exhibitors and seminars.

The expo that never stops

The Virtual Careers Expo is an online activity that provides information about education, training and employment options. Visit http://www.virtualcareersexpo.com/ to see what is there.
Queensland Studies Authority (QSA) renamed

A new organisation, the Queensland Curriculum and Assessment Authority (QCAA), will commence work from 1 July 2014. It will be based at 154 Melbourne Street, South Brisbane and retain the same phone numbers as those held by QSA. It will continue to provide the same services as QSA.

Special admissions schemes

Information about university special admissions schemes is distributed in Term three. These schemes include:

- Year 12 subject bonus schemes
- Access and equity schemes
- Regional preference schemes
- Aboriginal and Torres Strait Islander schemes
- Other schemes such as early entry and elite athlete schemes.

You can access a list of these schemes in the 2014/2015 QTAC Guide and from the QTAC website at http://www.qtac.edu.au/Applying/SASHome.html.

Special consideration through QTAC

How do I learn best?

Have you ever wondered why you do better in some subjects than others? It may have something to do with your individual learning style. Your learning style influences the way you understand information and solve problems. According to many educational researchers, there are three primary learning styles:

- Visual
- Aural
- Kinesthetic.

Many people use a combination of learning styles, whereas others learn best by using just one. Want to know your learning style? Do the VAK Learning Styles Self-Assessment Questionnaire on the Swinburne University of Technology website at http://www.swinburne.edu.au/stuserv/workshops/onlinematerials/Web%20Effective%20Study%20Skills_files/1VAK%20assessment.pdf. This provides a questionnaire, your learning style profile, an explanation of the three learning styles and strategies for each style.
The above information has been gathered from a range of sources including publicly available websites, institutional and organisational newsletters, student and career advisers and guidance officers. Every effort has been made to ensure the information provided is accurate and up-to-date at the time of publication.

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