

Careers Newsletter

June 2019

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What is a Cytotechnologist?



**It is better to
look ahead and
prepare than to
look back and
regret.**

-Jackie Joyner-Kersee

Cytotechnologists are highly trained laboratory specialists who study human cells and different types of cellular anomalies. Cytotechnologists often play a critical role in helping patients recover from various illnesses by identifying a disease while it is still in the early, treatable stage.

Although employment opportunities and salaries differ widely in this field, depending on experience, ability and geographic location, the demand for experienced cytotechnologists is growing tremendously. According to the Healthcare Salaries Guide, in 2018 entry level pay is more than \$80,000 per year compared to more than \$139,000 for senior level pay.

For more information on this type of career, see:

<https://www.joboutlook.gov.au/Occupation.aspx?search=Career&code=2346>

EmployABILITY Thinking

[EmployABILITY Thinking](#) has been developed by higher education institutions. It uses a six-step process and the [Literacies for Life \(L4L\)](#) model to engage students in the development of their future lives and work. The measure that underpins the self-assessment tool incorporates the following broad aspects of employability:

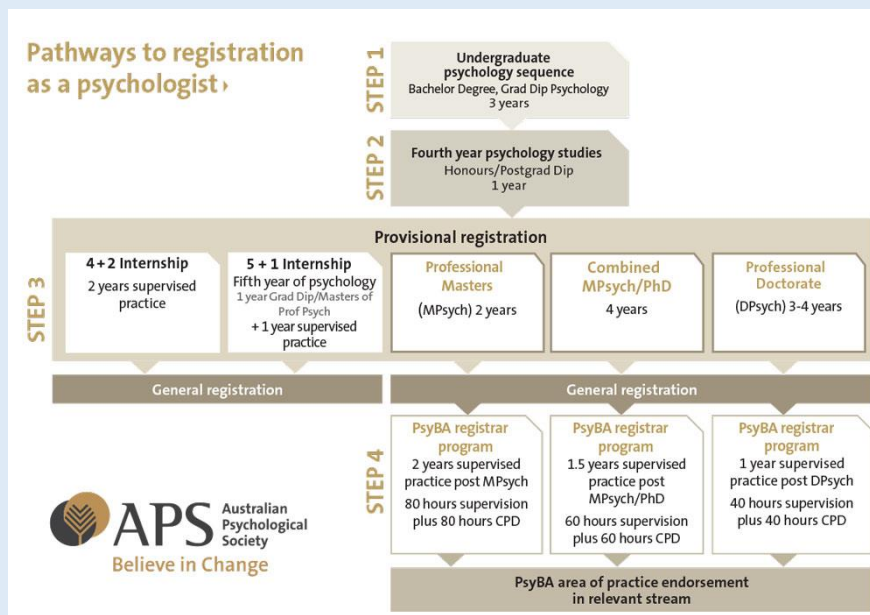
- self-management and decision making relative to self and career
- personal and academic self-efficacy
- self esteem
- professional identity construction related to academic work and future work
- conceptualisations of self and employability
- emotional intelligence
- self-assessment of learner and graduate skills and attributes.

Although it has been designed by higher education students and educators, school students may find the Self-Assessment tool useful. You can register [HERE](#).



EmployABILITY Thinking — Building Future Careers

Pathways to Registration as a Psychologist



Completing a TAFE Qualification while at school

TAFE Queensland allow Year 10, 11 and 12 Students to choose from a variety of certificate I to certificate III courses from a range of study areas in their “TAFE AT SCHOOL” program.

Study areas range from hospitality to horticulture, early childhood education to engineering, and everything in between.

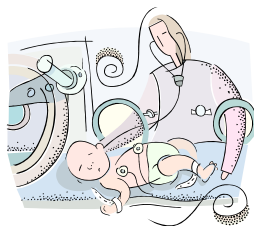
Some advantages are:

- Fits around your high school studies
- Direct entry to a TAFE Queensland course
- Your pathway to a trade qualification
- University pathways

For more information and to access the latest “TAFE at School Guides” see:



<https://tafeqld.edu.au/courses/ways-you-can-study/tafe-at-school.html?>



Career as a Paediatric Nurse

Paediatric nurses care for babies, children and adolescents. Children are not small adults; they have special needs and specialist paediatric nurses understand these. There are a diverse range of specialty areas within paediatric nursing.

Nurses may work in *schools, hospitals or community centres* and work with families to provide optimal health. Several specialty areas also exist within paediatric nursing. For example, paediatric nurses may become specialised in intensive care, oncology (cancer nursing), mental health and child development.

Browse the following link to find out more:


[How to Become a Paediatric Nurse](#)

Australian Air Force – You May be Surprised at the Different Roles

Explore the 9 Job Categories for the many and varied jobs available in the Australian Air Force.

For a bit of fun, you can even scroll down and play the “Step Up Your Game” to test your skills in Air Traffic Control.

<https://airforce.defencejobs.gov.au>




AIR FORCE 5 JOBS

Aviation

Choose from a variety of exciting roles ranging from air traffic control, mission management and airborne surveillance, to flying one of the fastest aircraft in the air.

[LEARN MORE](#) [VIEW JOBS](#)




AIR FORCE 12 JOBS

Business, Administration & Education

Reinforce the reputation and capability of the Air Force, choosing from a variety of outstanding career opportunities in HR, public affairs, administration and the law.

[LEARN MORE](#) [VIEW JOBS](#)




AIR FORCE 16 JOBS

Combat & Security

Step up to a physically and mentally demanding role, protecting and defending Air Force assets and personnel, or maintaining law and order on air bases and deployments.

[LEARN MORE](#) [VIEW JOBS](#)




AIR FORCE 9 JOBS

Communications, IT & Intelligence

Establish, operate and maintain the sophisticated communication and surveillance systems that are the eyes and ears of the Air Force, in one of these rewarding ICT roles.

[LEARN MORE](#) [VIEW JOBS](#)




AIR FORCE 5 JOBS

Engineering

Work at the forefront of your chosen engineering field, with some of the world's most exciting military aircraft at your fingertips or on the airfield you've constructed.

[LEARN MORE](#) [VIEW JOBS](#)




AIR FORCE 21 JOBS

Healthcare, Science & Chaplaincy

Enjoy variety, challenges and experiences you'd never find in comparable civilian roles, looking after the health, wellbeing or pastoral care of Air Force personnel.

[LEARN MORE](#) [VIEW JOBS](#)




AIR FORCE 17 JOBS

Logistics, Hospitality & Support

Tackle the major logistical challenges of getting vehicles, equipment and supplies transported to the right place at the right time, and feeding and equipping our people.

[LEARN MORE](#) [VIEW JOBS](#)




AIR FORCE 43 JOBS

Officers & Management

Be transformed from an ambitious, resourceful individual into a talented manager and leader, enjoying excellent opportunities for advancement plus a unique lifestyle.

[LEARN MORE](#) [VIEW JOBS](#)



AIR FORCE 19 JOBS

Trades

Join the talented team of tradespeople working across a variety of traditional and aviation-related roles, enjoying fully-paid training, exciting work and job security.

[LEARN MORE](#) [VIEW JOBS](#)

Australia's Science Channel

Australia's Science Channel is Australia's first free and open publishing platform for science stories.

On Australia's Science Channel you'll find compelling videos, articles, podcasts, news and events. They work with leading minds, universities from around Australia, organisations and institutions to provide compelling science stories for everyone to watch, read, listen and share thoughts on what's happening in science.



Take a look of some of the intriguing videos on their Ultimate Careers page <https://australiascience.tv/category/ultimatecareers>

Are you a Female Interested in Being a Tradie?

Well they are on the rise!

Hi Pages points out that “despite exaggerated stereotypes about women being more emotional, less adept at taking charge, and thus better suited to careers that involve caring for others, the reality is that female tradies are just as effective as their male counterparts.”



Below is a link to some interesting facts, resources, information and tips for making it as female tradie in a male dominated industry.

https://hipages.com.au/article/the_rise_of_female_tradies

Steps to an Australian Apprenticeship

Australian Apprenticeships, which include both apprenticeships and traineeships, involve training in a formal qualification and paid employment. It can be difficult knowing what types of apprenticeships and traineeships are out there, and how to find them.

The Australian Apprenticeships and Traineeships Information Service has developed the *Steps to an Australian Apprenticeship*, which breaks up the process of finding an apprenticeship or traineeship into 4 easy steps: Research, Preparation, Job Hunting and Sign Up.



Research

Researching your options is an important step to take before you start making career and training decisions. This will help you make up your mind about what industries and occupations you are interested in working in.



Preparation

Now that you've done your research and know which apprenticeship or traineeship you want to do, the next step is to prepare yourself for the job! Consider things like doing a pre-apprenticeship, having a look at wage information, and familiarising yourself with working conditions.



Job Hunting

There are many ways to find an apprenticeship or traineeship job. Think about contacting employers you already know, using job search sites or registering with a Group Training Organisation. Don't stick to just one method, try them all!



Sign Up

Every Australian Apprentice must be signed up into a formal training contract shortly after they are employed. To organise a sign up, the employer will need to contact an Australian Apprenticeship Support Network provider, who are funded by the Australian Government.

These steps, when followed, can make the task of getting an apprenticeship or traineeship less daunting, and more achievable. **If you would like to learn more about each step, plus heaps more useful information and resources, visit AAPathways.com.au/steps**

School Holiday Programs and Activities

Queensland University of Technology (QUT) WINTER PROGRAM

The QUT Winter Holiday Program invites curious minds to explore everything from robotics, to future cities, and bionic arms! This all-ages program offers hands-on workshops that will inspire the next generation of STEM thinkers.

Pop Up Robotics Display

July 6

QUT Gardens Point

Drop in and drive Dash robots at The Cube on Saturday 6 July at our pop-up robotics display. You can also see a range of robots like Sphero, Ozbots, and Bee-bots. Plus test your programming skills on The Cube's Code-A-Bot.

<http://www.thecube.qut.edu.au/whats-on/2019/winter-popup.php>

Robotics & Coding Workshop

July 6 & 7

QUT Gardens Point

In this fun interactive workshop, children will explore coding and robotics using Codey Rocky robots. Students will learn about the electro-mechanical parts of the robot including robot systems components and sensors, plus look at how robots are used to solve real-world problems. The combined learnings of the workshop will see the students apply coding, teamwork, and problem-solving skills to program a robot to complete a challenge. This workshop is suitable for beginners with no robotics and coding experience.

<http://www.thecube.qut.edu.au/whats-on/2019/winter-coding.php>

Future Cities Workshop

July 6 & 7

QUT Gardens Point

In this fun interactive workshop, children will explore the challenges faced by future cities. They will evaluate ideas and use 3D design tools to create their own cities in 3D space. Virtual Reality (VR), and Augmented Reality (AR) will be used by the students to evaluate their creations. The combined learning of the workshop will see children apply their new STEM skills to create 3D cities of the future and share their experience in VR and AR with their team. This workshop is suitable for beginners with no VR and AR experience.

<http://www.thecube.qut.edu.au/whats-on/2019/winter-cities.php>

Driving into the Future – Lego Robotics

July 9 & 12

QUT Gardens Point

In this workshop, students will be introduced to the basics of robotics using LEGO® MINDSTORMS®. This interactive hands-on workshop will step students through a range of programming challenges using LEGO® MINDSTORMS® EV3 software. They will test drive a robot and learn how to operate its environmental sensors. The final challenge will see students Driving into the future using a fictional scenario where LEGO® MINDSTORMS® become driverless vehicles undertaking a 'rescue mission'. This workshop is suitable for beginners with no prior LEGO® EV3 or NXT experience. Students with prior knowledge (intermediate level) are also welcome to attend.

<http://www.thecube.qut.edu.au/whats-on/2019/winter-driving.php>

Code a Solar System**July 8 & 11****QUT Gardens Point**

This workshop provides students with an introduction to coding and investigates the relationships between planet mass, orbit, orbital speed, and distance from the sun. They will learn the basic principles of programming using Sphero's drag and drop interface, to design and model a robotic solar system that reflects Kepler's three laws of satellite motion. This workshop is suitable for beginners with no prior experience.

<http://www.thecube.qut.edu.au/whats-on/2019/winter-solarsystem.php>

Green Energy – Big Data**July 8****QUT Gardens Point**

In this STEM workshop, students will see how maths and engineering can work together to achieve a greener built environment. Students will take a tour of QUT's '5-Star Green Star' Science and Engineering Centre to see how this smart building continually monitors and adjusts its internal and external environment to make this one of Brisbane's most environmentally friendly buildings.

<http://www.thecube.qut.edu.au/whats-on/2019/winter-green.php>

Understanding Space – time and relativity**July 10****QUT Gardens Point**

This workshop will introduce students to the concepts of gravity, special and general relativity and time travel, and how they can be applied to better understand the universe. Students will use Physics Observatory on The Cube screens to visit planets in our solar system and explore the effects of changing gravity. Students are then introduced to a physics-based space simulator to manipulate planets, moons and stars in order to prove or disprove their hypothesis with scenarios like: the Earth has two moons, the sun suddenly vanishing, a black hole passing by our solar system and many more.

<http://www.thecube.qut.edu.au/whats-on/2019/winter-spacetime.php>

Mechatronics - Bionic Arms**July 11 QUT Gardens Point**

In this STEM workshop, students will use the engineering principles of mechatronics to construct a robot arm from a range of components and motors. Based upon their selected components, students mathematically determine the physical limits of a prosthetic arm. Using this information they test their hypothesis by remote controlling the arm to perform a variety of tasks, testing the capability of their robotic claw.

<http://www.thecube.qut.edu.au/whats-on/2019/winter-bionicarms.php>

University of Queensland (QU)**Introduction to Robotics Workshop****July 3****Saint Lucia Campus**

This workshop introduces students to the exciting world of robotics by building and programming robots. The workshop aims to improve the analytical and problem-solving skills of students and complements the new Technology curriculum by providing a project-based learning activity.

<https://www.eait.uq.edu.au/introduction-robotics-workshop-2019>

Advanced robotics Workshop: Artificial Intelligence July 4**Saint Lucia Campus**

Artificial Intelligence is on the rise - get on board with our Artificial Intelligence robotics workshop! In this workshop, students will learn how to build their own robot using the Lego Mindstorms EV3 and program it to complete tasks such as walking, talking and moving.

<https://www.eait.ug.edu.au/advanced-robotics-workshop-artificial-intelligence>

University of Southern Queensland (USQ)**Television & Radio Two Day Experience July 8 & 9 USQ Springfield**

The USQ Television and Radio Two Day Experience is designed for those students who have a high interest in the industry and future aspirations to study a Bachelor of Communication and Media (Television and Radio).

<https://www.usq.edu.au/study/faculty-events/2019/07/tv-and-radio-two-day-experience>

USQ – Note RSVP June 24th

Aviation Two Day Experience**July 11 & 12 USQ Springfield**

The USQ Aviation Two Day Experience is designed for those year 11 & 12 students who have a high interest in the aviation industry and future aspirations to study a Bachelor of Aviation (Flight Operations) or a Bachelor of Aviation (Aviation Management).

<https://www.usq.edu.au/study/faculty-events/2019/07/aviation-two-day-experience>

Billy Blue Design College**A Day in The Life Creative Workshop****July 13 Brisbane Campus**

Spend a day with us, at Uni, and discover what a day in the life of a design or gaming student is REALLY like. Our workshops are free, and an ideal way to get a feel for what you like, what you don't like and where you might see yourself in the future. You won't know until you try!

<https://www.billyblue.edu.au/news-events/upcoming-events/brisbane/day-in-the-life-creative-workshops-13-july-brisbane-2019>

JMC Academy**Character & Life Drawing Workshop****July 1 & 8****Brisbane Campus**

Get your hands dirty with some great exercises that will introduce you to the ideas of figure and character drawing for animation, games and comic books. From generating original characters to drawing a live, costumed model. You'll go home with a head full of ideas and a fist full of drawings.

<https://www.jmccademy.edu.au/events/workshops/brisbane-high-school-workshops>

Digital TV Studio Workshop**July 1 & 8****Brisbane Campus**

This practical workshop, designed specifically for high school students aims to provide an introduction to the Film + TV studio recording processes.

<https://www.jmccademy.edu.au/events/workshops/brisbane-high-school-workshops>

Recording A Band Workshop**July 2****Brisbane Campus**

An introduction to professional recording + mixing techniques used in studios throughout the world. In this practical workshop you will experience overdubbing and mixing in a world-class recording studio using industry standard digital and analogue equipment. You will then have the chance to complete your own mix using the latest Digital Audio Workstation software.

<https://www.jmccademy.edu.au/events/workshops/brisbane-high-school-workshops>

Think Visual Workshop**July 2****Brisbane Campus**

In this one-day crash course, you'll learn how to use visual language to communicate your ideas. You'll practice sketch noting and develop a visual library that you can use in different contexts; whether you're brainstorming an idea, making study notes, or designing an app, this essential skill will help you create strong designs. Bring along your simplest but most powerful tools: pen and sketchbook and unlock their power!

<https://www.jmccademy.edu.au/events/workshops/brisbane-high-school-workshops>

Queensland School of Film & Television

Years 7 – 8 High School **Junior Filmmaker Bootcamp** July 5

Years 9 – 12 High School **Filmmaker Bootcamp** July 10 & 11

<https://qsft.qld.edu.au>

[https://www.qsft.qld.edu.au/assets/files/2019/DOC_QSFT%20Workshop%20Schedule 2019 WEB.pdf](https://www.qsft.qld.edu.au/assets/files/2019/DOC_QSFT%20Workshop%20Schedule%202019_WEB.pdf)



Don't forget to check out the "Calendar of Events" on our School Careers Website