

# Weekly News for New South Wales

For December 14, 2020

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## Open Days & Info Sessions

### [Explore Your Options Week at Macquarie Uni](#)

16 December 2020, 10:00 am - 23 December 2020, 4:00 pm

Macquarie University and Online

Some people expect you to make up your mind about your future in a single day. At Macquarie we give you more than a week to explore your options.

Starting on Wednesday 16 December, through to Wednesday 23 December 2020, we'll be available for one-on-one consultations, enrolment support and campus tours.

We understand every student is different and with so many choices, we are on hand to help you work through what's best for you.

Join us on a day and time that suits you, either on campus or online.

Find out more: <https://mq.edu.au/explore>

### **Billy Blue | Design & Creative Technology Course & Career Webinar**

16 December 2020, 4:00 pm - 6:00 pm

Online

Here's your chance to ask in detail all those burning questions about our courses and your study options. The webinar is custom designed to help you learn more and chat live with the academic and course and careers advisors teams, all from the comfort of your own home. Explore more about our Design & Creative Technology courses and how to create a career you're passionate about.

- Get all your questions about study and student life answered
- Learn more about our dynamic undergraduate and postgraduate courses
- Explore options to study online, or on campus

Find out more: <https://www.billyblue.edu.au/news-events/upcoming-events/design-creative-technology-course-career-webinar>

### **AFL SportsReady | How Did You Get That Dream Job?**

17 December 2020, 6:00 pm - 7:00 pm

Online

Get a real insight into whether a traineeship is right for you. Join AFL SportsReady alumni as we explore the reasons why a traineeship is a viable and worthwhile post-school option. From job satisfaction to job security and helping you find your passion.

In this webinar, we explore the diverse industries young people can do a traineeship in. From sport, marketing, business, education and the arts, this webinar provides you with an insight into how careers are made through traineeships.

We hear from three alumni working in very different industries and roles. We explore how a traineeship can lead to a pathway in teaching, a Community Manager at Yves Saint Laurent and Giorgio Armani and even working for a 7 x World Championship winning Formula One team.

Find out more:

[https://aflsportsready.zoom.us/webinar/register/WN\\_BBCIOUqVQ2y1QHdJcMMLeg](https://aflsportsready.zoom.us/webinar/register/WN_BBCIOUqVQ2y1QHdJcMMLeg)

### **AIT | Course Online Info Sessions**

11 January 2021, 12:30 pm - 15 January 2021, 12:30 pm

Online

Join us for a Virtual Info Session to find out how you can convert your passion into a career you'll love in Film, Animation, Games, Digital Design or Mobile App Development. Sessions include:

- 2D | Monday 11 January, 12.30pm
- Game Design | Tuesday 12 January, 12.30pm
- 3D | Tuesday 12 January, 6.00pm

- Film + Video | Wednesday 13 January, 12.30pm
- Mobile App Development | Thursday 14 January, 12.30pm
- Games Programming | Thursday 14 January, 6.00pm
- Digital Design | Friday 15 January, 12.30pm

Find out more: <https://info.ait.edu.au/open-day>

### **Endeavour College | Virtual Open Day**

13 January 2021, 8:00 am - 5:00 pm

Online

Attending a Virtual Open Day is a great way to find out more about the educational institution you are thinking of attending and to ask all the study and enrolment questions you need to. Whether you're at home, in an office, or even overseas, you can join our Virtual Open Day from wherever you are on your smartphone or computer.

Find out how you can turn your passion for wellness into a thriving career. By exploring the range of career options and hearing our alumni success stories, you can see where a course with Endeavour can take you.

Find out more: <https://www.endeavour.edu.au/events/virtual-open-day/>

### **AIM | Open Day 2021**

16 January 2021, 9:00 am - 7:00 pm

Australian Institute of Music Sydney and Online

Join us on campus or online for Open Day 2021 and discover how studying at AIM can open a doorway into any area of the Music Industry.

We love music as much as you do, and we're proud to be one of the only institutions solely dedicated to just music. We share your passion and we can't wait to show you how studying at AIM can open a doorway into any area of the Music Industry.

Open Day will be held over two sessions; a Morning Session from 9am to 1pm, and an Afternoon Session from 2:30pm to 7pm, with course information sessions running at scheduled times throughout the day.

Find out more: <https://www.aim.edu.au/events/open-day-2021>

## **Workshops & Courses**

### **JMC Academy | Character Design Short Course, Sydney**

18 January 2021, 9:30 am - 19 January 2021, 4:30 pm

JMC Academy, Ultimo

Learn how the character creation process works and develop your own character!

Introducing the typical pipelines for conceptual and technical execution of characters in game and animation studios, this intensive studio-based workshop will explore the character art process, from concept design through to the creation of 3D models.

Find out more: <https://www.jmcacademy.edu.au/events/shortcourses/character-design-short-course>

### **JMC Academy | Recording + Mixing a Band Short Course, Sydney**

18 January 2021, 9:30 am - 19 January 2021, 4:30 pm

JMC Academy, Ultimo

Produce a band from start to finish!

This short course is designed to give the student an active taste of participating in a complete band recording session and mix down utilising world class recording equipment and facilities.

Find out more: <https://www.jmcacademy.edu.au/events/shortcourses/recording-a-band-short-course>

### **JMC Academy | Script to Screen Short Course, Sydney**

18 January 2021, 9:30 am - 22 January 2021, 4:30 pm

JMC Academy, Ultimo

Make your own film!

In this five-day intensive filmmaking Short Course, you'll get creative using the JMC Film and Television Studio's exciting facilities, developing a short film script from page to screen.

Find out more: <https://www.jmcacademy.edu.au/events/shortcourses/script-to-screen-short-course>

### **JMC Academy | Songwriting + Production Short Course, Sydney**

18 January 2021, 9:30 am - 21 January 2021, 4:30 pm

JMC Academy, Ultimo

Write, record and mix an original song!

JMC will be providing the opportunity for Songwriters, Producers and Instrumentalists to work together in small groups and as individuals to write, record and mix an original song. On the last day of the Short Course the completed songs will be played to a panel of industry professionals who will provide feedback on the final song.

Find out more: <https://www.jmcacademy.edu.au/events/shortcourses/songwriting-production-short-course>

### **SAE | Creative Workshops**

20 January 2021, 10:00 am - 22 January 2021, 3:00 pm

## SAE Institute Byron Bay & Sydney

SAE Byron Bay and Sydney are opening their doors this January for the SAE Creative Workshops, a three-day program to expand your skills and get you working on inspiring creative projects in the fields of Animation, Audio, Design, Film, Games, or Music Production.

Are you creatively inclined and thinking about studying creative media? Get behind the scenes and explore your passion in this fun and interactive school holiday activity.

Register for Byron Bay: <https://sae.edu.au/news-and-events/events/creative-workshops-byron-bay/?date=2021-01-20&id=986>

Register for Sydney: <https://sae.edu.au/news-and-events/events/creative-workshops-sydney/?date=2021-01-20&id=990>

## **Firetech Online School Holiday Tech Classes**

These school holidays, Firetech are offering small online classes to help you learn about games and coding. There are several classes on offer, including:

- Video Game Development with Unity
- Video Game Design
- Junior Coding with Minecraft
- Making Games with ROBLOX
- Creating for YouTube

There are courses for kids of all ages, from 9 to 17. The courses run for 2 days each.

Find out more and enrol here: <https://www.firetechcamp.com.au/courses/online-tech-courses/remote-part-time/>

## **School Holiday Art Classes for Teens**

Looking for something creative to do these school holidays? Art Est is running a series of workshops for teens, with classes in pottery, painting, drawing, writing, and more.

Find out what's on offer and book a class here:

<https://www.artest.com.au/courses/demographic/teens?tag=/delivery/school-holiday-activities-sydney>

## Scholarships

### **CSU Bush Children's Education Foundation (BCEF) Scholarship**

Value: \$10,000 AUD

Open/Closing Dates: October 1, 2020 – February 8, 2021

[Find out more](#)

### ACU Law – Equity Scholarship

Value: \$5,000 AUD

Open/Closing Dates: August 28, 2020 – February 28, 2021

[Find out more](#)

### Little Friends Scholarships

Value: \$500

Open/Closing Dates: January 25, 2021 – February 26, 2021

[Find out more](#)

## Competitions

### Living Memory: National Photographic Portrait Prize

Entries are now open for *Living Memory: National Photographic Portrait Prize*.

Now in its fourteenth year, the prize is an annual favourite for audiences and Portrait Gallery staff alike, drawing captivating photographic portraiture from Australia's professional and aspiring visual artists, and providing a diverse national image in composite.

The most outstanding portrait will receive \$30,000 cash. You must be 18 years of age to enter.

**Entries close at midnight (AEDT) on Tuesday 2 March 2021.**

Find out more and enter here: <https://portrait.gov.au/nppp-callforentries.php>

### The Immunisation Coalition Art Prize 2021

The Immunisation Coalition Art Prize aims to highlight and promote you as a contemporary artist and support their mission to bring factual awareness of issues around influenza, vaccination and the burden of infectious disease.

This competition is open to amateur and professional artists, with categories in both Visual Art (e.g. drawings, animations) and short film submissions (up to 60 seconds).

Australian primary, secondary and tertiary students are all eligible to enter this competition.

Entry is free and prizes range from \$250 – \$1,000.

**The competition opens for Entries on 1 February 2021, and the deadline to submit your works is 1 April 2021.**

For more details about the competition and to read the artwork briefs, you can read the prospectus [here](#).

**Register** on their [website](#).

Email: [artprize@immunisationcoalition.org.au](mailto:artprize@immunisationcoalition.org.au) for more details.

### The Short Story Challenge

The 15th Annual Short Story Challenge is a creative writing competition open to writers around the world. There are 4 rounds of competition.

Feedback from the judges is provided for every submission and there are thousands in cash and prizes for the winners. Sound like fun? Join the competition and get ready for Round 1!

**The first round begins on 21 January 2021.**

Find out more and enter here:

<http://www.nycmidnight.com/Competitions/SSC/Challenge2021.htm>

### Entanglement Annual Writing Competition for Women

What is this world in which we are entangled? How do we connect?

Voices of Women invite you to enter any unpublished short monologue or narrative (max. 800 words) written in the first person. Winning entries receive \$100 and the stories will be presented by professional actors in live and filmed performances.

All women and young women over 16 years of age living in Australia and in the United States are welcome to enter.

**Entries close Tuesday 2 February 2021.**

Find out more and enter here: <https://voiceswomen.com/entanglement/>

## Careers & Jobs

### Have you found a summer job yet?

Have you found a summer job yet? Don't worry if you haven't had the time to look for one just yet; chances are you could still be in luck.

While many companies advertise a bit earlier in the year, not all vacancies might have been filled yet. Or perhaps people who had previously accepted jobs may have had to drop out, or businesses might only recently have decided that they're going to need the extra staff.

### **Decide if you're ready to commit to a job**

If you're not sure about giving up more of your precious time over the holidays to work, here are a few of the benefits:

- Earn your own money
- Learn new skills
- Meet new people
- [Boost your employability after high school](#)

There are plenty more benefits to consider too – have a read of our blog "[Why bother with a summer job](#)" if you need more motivation.

### **Make sure you're prepared**

Before you can start applying for jobs, you'll need to:

- Work out how much time you can spend working, which days, weeks and hours could work for you
- Decide how far you can travel and what's the most reliable (and safe) way of getting to and from work
- Make sure you are [work ready](#)
- [Create or update your resume](#)

### **Ideas for starting your job search**

Don't stress, there are lots of places you can [look for work](#). So if you're unsuccessful through one avenue, try another. Or consider starting your search in lots of different places – it's quite easy to do.

- Look in your local papers
- Find job adverts on notice boards at your local shops, or in Facebook forums and groups
- Check on LinkedIn (you can set up an account if you haven't got one already; remember to keep it professional though)
- Check with specific businesses if you're interested in working for them – search their webpages, or social media sites, even contact them directly by phone or email.
- Search job websites or sign up with an agency
- Ask around. Speak to your parents, get them to ask their colleagues at work, chat to your neighbours, family friends, or your friends' parents. Let them know you're looking and give them an idea what kind of work might suit you
- Register with [Centrelink](#) and get access to their services such as [JobActive](#)
- Or get entrepreneurial and start up your own business and work for yourself.

### **More resources**

We've got plenty more resources to help you on your way to finding a summer job on our [Summer Jobs](#) page, including a job search database. There are even some tips that could be useful [if you find a job and are about to get started](#).

Good luck with your search and your summer jobs!

### **Surprising Pathways to a Career in Cyber Security**

Getting into a career in cyber security doesn't mean you have to jump straight into a cyber security or IT degree once you leave school.

Careers with STEM has gathered some current cyber security professionals to see how they got to where they are now, including a law graduate and TAFE graduate with a passion for acting.



Read more in the blog here: <https://careerswithstem.com.au/4-surprising-cyber-security-career-paths/>

## Further Learning

### **ATARs and Selection Ranks – how they work**

If you've ever wondered exactly what an ATAR is, how the system works, why you need one or how they're calculated, you're not the only one.

If you want to find out everything you've ever wanted to know about the ATAR, [check out our latest blog](#).

### **COVID Adjustment Factors**

COVID-19 has caused some big disruptions to schooling this year. If you feel like your studies have been affected and are worried about whether or not that means you can get into uni, don't worry.

Many universities are offering special adjustment factors to students who have been affected by COVID-19, and other disadvantages. These adjustment factors could help you get into your dream course.

We've spoken to the universities and TACs, and here is what they have advised us on their adjustment factors for 2021 entry.

### **Direct Entry**

#### **Notre Dame (Sydney)**

In response to difficulties being experienced by Year 12 students due to COVID, Notre Dame University has used Year 11 results and available mid-year 12 reports to assess applicants for an offer to study where they demonstrate progression to achieving minimum entry requirements. Additionally, other factors are also considered as part of a holistic approach to assessing applicants. These include extra-curricular and out of school achievements, motivations for study, as well as special circumstances which may have impacted on an applicant's academic performance. Applicants are asked to provide this extra information when completing our online application form.

Applications are still open (except for some in demand courses e.g. Nursing), click [here](#) to apply.

Note: You'll need to apply at least 4 weeks before your course start date (most programmes start on the 22<sup>nd</sup> of February 2021 but check with Notre Dame if you're unsure).

### **UAC Entry**

Applications for the Educational Access Scheme (EAS) are still open and close for semester 1, 2021 studies on Friday 5 February 2021.

You can apply and provide documents for EAS by [midnight 8 December](#) to have your application considered in December Round 2 Offers (22 December 2020).

To be considered for EAS in January Round 1 offers apply by midnight on 25 December 2020.

Midnight 5 February 2021 is the very cut-off date you can get EAS applications in to be considered for Semester 1, 2021 admission.

### **Macquarie**

Every UAC applicant will automatically receive five COVID-19 Impact Points.

Find out more about Macquarie's COVID-19 Impact Points scheme [here](#).

### **Australian Catholic University**

ACU offer many [adjustment factors](#); apply via UAC to be considered.

### **Torrens University**

[Torrens University](#) have [removed the ATAR requirement](#) for most of their courses, so adjustment factors are not applicable.

### **University of Canberra**

The University of Canberra participates in the Education Access Scheme (EAS) through UAC, which aims to help students who have experienced significant educational disadvantage receive an offer to university.

UC also participate in the subject adjustment factors scheme, which entitles current Year 12 students to a maximum of 10 adjustment points if they have achieved particular grades in relevant subjects. These points are calculated automatically, so students do not need to apply to this scheme.

A complete list of subject adjustments available under each course is available at UC's website [here](#).

### **UNSW**

When we spoke to UNSW they confirmed that they are providing additional points based for students that have (or their parents/guardians) experienced difficulties due to COVID-19. Points cannot be disclosed but if you are looking to apply you'll need to submit an application for the UAC [Educational Access Scheme](#) adjustment factor.

Students can also apply for [HSC Plus](#) and [EAPL](#) for additional points. UNSW offers a maximum of 12 points (Max 5 from EAPL, Max 5 from HSC Plus, up to 10 points on EAS).

### **Need more help?**

Contact the TACs or universities directly if you have any queries about your application or the adjustment factor process, they'll always do their best to help you.

### **ATO Evergreen Program**

The Evergreen program is an entry-level program for Aboriginal and Torres Strait Islander peoples. It combines work experience at the Australian Taxation Office (ATO) with formal training. You can develop your professional and technical skills in a supportive environment and receive a competitive salary.

On successful completion of the program you will:

- have a permanent job
- receive formal recognition for completing the program
- obtain a formal Certificate IV qualification
- advance to an APS 3 and be paid a salary of over \$63,000 with excellent superannuation benefits
- receive a variety of employee benefits, including leave conditions, annual salary advancement, and flexible working hours.

**Applications for the 2021 Evergreen program are open now and close on 8 January 2021.**

Find out more and apply here: <https://www.ato.gov.au/about-ato/careers/entry-level-programs/programs-for-aboriginal-and-torres-strait-islander-peoples/the-evergreen-program/>

### **It's not too late to visit ACU**

Even though they aren't running their group campus tours at the moment, you can still book to experience a guided tour through your nearest ACU campus.

Join one of ACU's experienced Student Ambassadors for a walk through the incredible nursing labs, moot courts, classrooms and more.

Guided visits are currently running at the North Sydney, Strathfield, Brisbane and Canberra campuses.

Book your spot ASAP, as places are limited.

Find out more and book here: <https://www.acu.edu.au/student-life/experience-uni-before-you-start/explore-your-local-campus/campus-tours>

### **Holiday Courses at AIE**

Learn how industry experts make your favourite games and film with AIE's Introductory 3D Animation and Games Development holiday courses.

You can choose from workshops in game design, 3D animation and modelling, and more.

The courses will be running between 18-29 January 2021 at the Sydney, Canberra and Adelaide campuses, and online for Melbourne students.

Find out more and book: [https://aie.edu.au/course\\_category/holiday-courses/](https://aie.edu.au/course_category/holiday-courses/)

### **Still weighing up your uni options? Make sure you talk to current students!**

Congratulations, you made it through the HSC! It's time to think about what comes next. Will you get the ATAR you need to get into your dream degree? Did you reach your goal and now are tossing up between your options?

For some students, it can be tricky to decide what to pursue once you've finished high school. But talking to current students about the course options and opportunities available at Macquarie can be so helpful when you feel lost and uncertain about what you want to pursue. Find out more about how to Explore Your Options here:

<https://www.mq.edu.au/study/information-for-high-schools/tile-content/articles/articles-and-blog-content/explore-your-options-week>

## **Resources**

### **Looking for some Adventure on the School Holidays?**

School holidays are nearly upon us, and you might be looking for something exciting to do over the break.

Luckily, there are heaps of places that offer exciting camps and experiences for young people. Get outdoors and learn valuable skills, participate in sports and games, and make new friends at a school holiday camp.

We've found some running over the summer (and future) holidays that you might be interested in:

- [CRU Camps](#) (NSW)
- [Green Supercamp](#) (VIC)
- [OutBeyond Holiday Camps](#) (VIC)
- [Australian Sports Camps](#) (National)
- [Camp Cooby](#) (QLD)
- [Holiday Camps for Students with a Disability](#) (National)
- [Quest School Holiday Camps](#) (VIC)
- [Outward Bound Youth Program](#) (ACT, VIC & WA)
- [Bounce Holiday Camps](#) (QLD, VIC, SA & WA)
- [Camps Tasmania](#) (TAS)

### **UNSW Girls in Engineering Club**

The Girls in Engineering Club is a fun, inspiring community for high school girls who are interested in STEM, study maths or science at school, or who just want to explore what engineering is all about.

You can connect and share ideas with fellow high school girls who are also discovering the possibilities of a career in engineering. You will hear from inspiring role models, from UNSW engineering students to female engineers already making their mark on the world. They can't wait to share their stories with you and answer your questions!

By joining the club you will receive:

- Exclusive invitations to Girls in Engineering Club events
- Monthly inspo delivered to your email, featuring profiles of amazing female engineers, study tips and tricks, blogs from our current engineering students, and loads of info to help you explore your career options in engineering
- Opportunities to be mentored by current female engineering students at UNSW
- The chance to win prizes through participating in fun STEM activities
- Access to a closed Facebook community to connect with likeminded girls

Find out more here: <https://www.engineering.unsw.edu.au/study-with-us/girls-in-engineering-club-gie>

### **Enter the Young Achiever Awards**

The Young Achiever Awards acknowledge, encourage and most importantly promote the positive achievements of all young people throughout Australia up to and including 29 years of age as of 31 December each year.

No achievement is too small (or big!) and all young people should be applauded for their positive impacts on our local and wider communities. There are multiple categories to enter, from academic achievement to entrepreneurship and industry specific awards.

Entry is free, and you can nominate yourself or someone you know who you think deserves the award.

Nominations for all states and territories are open now, and close between mid- to late-January, depending on your state or territory. Make sure you check the closing date on the website below.

Find out more and enter here: <https://awardsaustralia.com/youngachieverawards/>

### **Spill the Beans**

Spill the Beans is like TED Talks for kids, by kids. It's a global platform for kids to tell the truth. Spill the Beans creates online and in person events, enabling kids to voice their ideas, stories and inspiration. Our incredible kids get to unleash their inner voice on our global platform.

We offer these inspirational talks as an educational resource, together with tailored, interactive and fun worksheets to schools and families across the globe.

Find out more here: <https://www.spillthebeans.events/>

## Job Spotlight

### How to become an Engineer in Australia

#### **What do Engineers do?**

Engineers are professionals who invent, design, analyse, build, and test machines, systems, structures, data systems and materials to fulfil objectives. As Engineer you could be developing solutions to technical problems, developing new products, or fixing things. Engineers use knowledge of science and maths to bridge the gap between scientific discoveries and applications that are useful to consumers and society.

If you are great at seeing the bigger picture, curious and love the challenges of solving problems, this could be an exciting and rewarding career to explore. To find out how to become an Engineer in Australia, read on.

#### **About you:**

- High level of knowledge and understanding in maths and science
- Communicates effectively to accurately relay ideas and instructions
- Inquisitive, analytical, practical and methodical
- Creative thinker, who's able to prioritise and pays attention to details
- Collaborative worker who is adaptable and great at managing time

#### **The job:**

You'll usually be working on projects, so every day could be different depending on the industry, project and which stage of in each project you are at.

For example, you could be meeting with clients, preparing proposals, working on designs, preparing estimates and budgets, experimenting, writing reports, presenting detailed instructions, or working on site, meeting deadlines and delivering solutions.

- In the Mining industry you could be looking for suitable mine locations and planning operations to extract minerals, ores, petroleum or natural gases safely, practically and economically.
- Within the manufacturing industry you could be researching and experimenting with new products and recommending materials to do specific jobs.

- Those in the Construction industry might be responsible for planning and supervising works, carrying out installations, maintenance work, performing planned or emergency inspections.
- Civil Engineers could be designing and building anything from skyscrapers, and roads, to dams and bridges.
- Working in the Aerospace industry, you could be designing new aircraft, solving space shuttle problems, or developing probes for deep-space exploration.

### **Lifestyle Impact: Medium**

- Part Time opportunities: Low – most opportunities are full time positions with only a small percentage of part time roles available across most industries (source: [joboutlook.gov.au](http://joboutlook.gov.au))
- Slightly above average hours for full-time workers: 43-47 hours a week seems the norm (42 hours a week being the average) (source: [joboutlook.com.au](http://joboutlook.com.au))
- Engineers salary (average) \$108,500\* per year (Source: [com.au](http://com.au)) \*salaries vary between industries, and your skills and experience
- Future career growth: Strong\* (Source: [joboutlook.gov.au](http://joboutlook.gov.au)) \*varies between industries from Stable to Very Strong
- There is a chance that working in Engineering could see you travelling between different locations, working overtime outside of normal business hours and maybe even at night or on weekends. But there are also many roles where this isn't necessarily true.

### **Engineers are most in demand in these locations:**

There are opportunities across Australia, and internationally. Historically New South Wales and Victoria advertise the largest amount of Engineering vacancies. (Source: [Australian Engineering Vacancies Report 2019](#))

### **How to become an Engineer in Australia**

In order to work as an Engineer in Australia, you'll need a relevant [accredited tertiary qualification](#), most commonly a Bachelor's degree. Which degree you'll need varies depending on the industry and role you are aiming for.

**Step 1** – No matter which industry you go into, you're going to need strong Maths and Science skills, so focus on these subjects at school as well as the necessary English component.

**Step 2** – Narrow down your particular areas of interest and read up about opportunities in each industry or job role. That way you'll be able to select the best tertiary pathway to get you where you would like to be.

**Step 3** – Complete relevant tertiary qualifications.

Vocational Qualifications are an option, e.g.:

[Certificate III in Engineering – Technical](#)

[Certificate IV in Telecommunications Engineering Technology](#)

[Diploma of Electrical Engineering](#)

If this is the route you choose, then you could consider and [Apprenticeship or Traineeship](#) that could give you the qualifications, work experience and a salary.

A large proportion of Engineers in Australia get a relevant degree; you'll need to explore these in more detail once you know which industry you'd like to work in.

[Bachelor of Engineering \(Specialisation\) with Honours](#) at UTAS – you can choose to specialise in a particular area

[Bachelor of Engineering \(Honours\) at Griffith](#), they also offer several [double degree options](#) too

You may have the option of studying some courses online.

**Step 4** – Get lots of work experience if possible – applying for an internship could be a jump start. Think about signing up for a mentorship programs or finding your own mentor.

Find out more here –

<https://www.engineersaustralia.org.au/>

Find other professional and technical societies [here](#).

### **Similar Careers to Engineer**

[Architect](#)

Operations Manager

Logistics Manager

Patent & Intellectual Property Lawyer

Technical Consultant

[Astronaut](#)

[Cartographer](#)

Find out more about alternative [careers](#).

### **Frequently Asked Questions (FAQs)**

#### **What do Engineers do?**

They design, build and fix things, from machinery to buildings and everything in between. For example, at a molecular level, you could be working on drug delivery systems inside cells. At a macro level, you might be finding solutions to help clean up oil spills, abandoned industrial sites and other biohazards. On a galactic level, you could be designing spacecraft for space



explorations. You may be working on projects that find solutions to provide people with clean drinking water, safe food storage, or working to help to protect the environment.

### **How long does it take to become an Engineer?**

On average it takes 3-4 years to qualify as an Engineer. You'll most likely then have to work as a graduate engineer for 2-3 years before being considered a Professional.

### **Do I need to go to university to become an Engineer?**

You don't have to go to university to become an Engineer; there are other pathways including VET. However, the majority of Engineers do go to university and a degree could open up more opportunities with employers.

### **What Industries do Engineers work in?**

Engineering is an occupation that's extremely diverse. Some examples of industries you could work in include:

- Aerospace
- Agricultural
- Biomedical
- Building Services
- Chemical Engineering
- Food Engineering
- Petroleum and Petrochemical
- Pharmaceutical
- Process Control (IT)
- Civil Engineering
- Geotechnical
- Hydraulics
- Structural
- Transport
- Coastal and Ocean
- Electrical
- Electronics and Telecommunication
- Environmental
- Industrial
- Marine
- Materials
- Mechanical and Manufacturing
- Minerals and Metallurgy

- Mining
- Resource
- Risk Engineering
- Software

For more details go to [Engineers Australia](#).

### **What are 3 things I can do right now to work help me become an Engineer?**

If you're at high school and you'd like to find out if a career as an Engineer is right for you and start learning skills and gaining experience, here's a few things you could try:

1. Explore the world of Engineering – try to narrow down your areas of interest and make sure your subject selections cover any areas of assumed knowledge.
2. Enter engineering competitions at school, in your community and around the globe.
3. Consider summer courses for coding or other engineering skills, volunteer or try to get work experience within the industry. Perhaps you could engage your entrepreneurial side and engineer a solution for a problem around your home, school, or community.

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