# **Careers Newsletter**

# What is a Fintech Engineer?



#### What is a Fintech Engineer?

'Fintech' is a portmanteau of 'financial' and 'technology', meaning these engineers blend expertise in programming and finance to create cutting-edge solutions for banking, investing, and digital payments.

### What skills and strengths are needed?

Successful Fintech Engineers have a strong foundation in computer science and a range of programming languages. They use analytical thinking to understand complex financial systems; creativity to develop new software applications to improve the way we handle money digitally, and adaptability to keep pace with rapidly advancing technologies and changes in the finance industry.

#### What are the pathways?

University degrees in computer science, software engineering and related fields are a starting place. Double degrees combining engineering and commerce/finance are also an option.

## In this Issue

What is a Fintech Engineer?

**Business Class Academy** 

How Can Vaping Affect My Career?

**Your Guide to Climate** 

**Careers Speak Up for Safety** 

Micro Mathematicians Workshops

**Attend The BiG Day In** 

<u>Defence Work Experience</u> <u>Program</u>

**Challenges Open Now!** 

More news....



"I can't always change the direction of the wind, but I can adjust my sails to always reach my destination."

— Jimmy Dean, American Singer, Actor, and Businessma





# The CA ANZ X Year13 Business Class Academy is your ticket to an exciting career!



Think differently, change the world, and work in your dream industry - it's all in reach with an accounting career.

Accounting's not just about numbers; it's about unlocking your potential and making your mark, and the CA ANZ X Year13 Business Class Academy shows you how.

Check out what's in each Academy module:

- A Pleasure Doing Business: Ever thought your passion could become your paycheck? This module is all about matching what you love to what you do.
- The Skills You'll Need to Run or Lead a Business: Got a head full of ideas? Learn how to think like a boss and steer your own ship.
- Al Powered Accounting: Al is a gamechanger. Get the lowdown on how it's reshaping industries and how you can be at the forefront of this
- revolution.

Difference Makers: Discover how an accounting career can lead to making a real difference, from green

initiatives to social change.



# Demand for accountants will grow more than 11% by 2026!

Head to the <u>CA ANZ X Year13</u> <u>Academy</u> to explore endless possibilities in the world of accounting.









It's time to ghost your toxic mate forever You know those friends who seem fun, but only end up getting you in trouble? Vaping is that kind of friend; the toxic kind, and it's time to break up for good.

Throughout 2024, the Australian government is changing vaping laws to help you say goodbye forever.

When vapes containing nicotine release dopamine in your brain, it's like a toxic relationship that can be harmful to your mental health.



A Professional Perspective
While occasional vaping might seem
harmless, it may lead to dependency
which doesn't just impact your health; it
also affects your professional image.
Imagine needing to leave an important
meeting to vape, and the inconsistency
in your work performance because of
cravings. In the workplace, vaping sideeffects can lead to decreased focus, poor
work quality, and difficult relationships.
Vaping may also intensify mental health
issues, affecting your personal wellbeing as well as your career.



Help to get vape-free
Deciding to live vape-free isn't just
about new laws; it's about choosing a
healthier, more productive personal and
professional life.

You're not alone, and there are heaps of resources and support systems to help you quit. Every attempt, even if not immediately successful, contributes to your personal and professional growth, and quitting helps you look after your mental health.

# You've got the power to take control back from vaping!

It's a sign of strength and commitment to your professional future to ask for help, so scan the QR code or visit <a href="https://www.health.gov.au/vaping">www.health.gov.au/vaping</a> for resources to help you get and stay vape-free.







What are Climate Careers?
Climate Careers are part of the renewable energy industry, which is at the forefront of the global mission to combat climate change and promote a sustainable future. With limited natural resources, renewable energy sources like wind, sun, hydro water, and battery power provide solutions. As a result, new businesses are emerging to meet growing demand for these energy sources.

Renewable energy is growing faster than ever and is creating thousands of jobs!

According to the Clean Energy Council, the peak body for the clean energy industry in Australia, there are over 30,000 jobs in the renewable energy sector, with over 20 new wind farms under construction, supporting 8,000 jobs.

Because Australia has abundant renewable energy resources, and an ambitious goal of achieving net-zero emissions by 2050, there will be many climate career job opportunities when you finish school or further study. In fact, STEM careers, many of which exist in the renewable energy industry, are expected to grow by 14.2% in the next five years,

which is nearly twice as fast as non-STEM careers!



#### Get the Guide!

The Guide to Climate Careers includes everything you need to figure out if a climate career could suit you. It covers information about school subjects, enterprise skills, industry pathways and apprenticeships, and includes 9 occupation profiles. It even has a section to help you explore more. Click the image below to download your copy now!





#### **Unsafe conditions**

Unsafe work conditions are practices or hazards that can put you or someone else in danger, mentally or physically. A key unsafe condition is starting a job without enough training or without a job induction. Other examples of unsafe work conditions:

- Not being shown how to do a task safely.
- Not being properly supervised.
- Not being given the personal protective equipment (PPE) you need to work safely.
- Physical hazards like slippery floors, falling objects, unguarded machinery, heavy lifting or work with repetitive actions.
- Hazards to your mental health, like work-related fatigue or exposure to bullying, sexual harassment, customer abuse, traumatic material, aggression or violence.

# Speaking up about safety at work helps protect you and your workmates.

Speak up and report it
If you find yourself working in unsafe
conditions, it's important that you speak
up and report it. Your employer needs to
show you how to report unsafe work
conditions and work-related injuries or
illnesses as part of your induction and
training. If you're ever unsure, ask them
how. Report unsafe work conditions and
work-related injuries and illnesses to
your manager, supervisor, employer or
Health and Safety Representative (HSR).

Use the questions below as conversation starters about health and safety at your workplace.



What PPE or safety equipment do we use?

Is that safe?

Are you able to supervise me while I do this?

Unformation and image from:

Where can I report unsafe work conditions?



Micro Mathematicians is an enrichment program for advanced Year 5 to 10 students with an interest in maths beyond the classroom. The program offers a range of free virtual and inperson workshops throughout the year and new workshops are continually being added.

#### **Workshop information**

- The majority of in-person workshops are at the University of Melbourne Parkville Campus.
- Applicants from outside Melbourne metropolitan areas (e.g. regional Victoria or interstate) are given priority for virtual workshops.
- A mix of virtual and in-person workshops for students in years 7 to 10 (hybrid option not available).

Applications for term 1 workshops are now open and close 6 March 2024.

#### The program is:

- Virtual and inperson • Free to attend
- Limited availability
- Applications required
- Hans-on and team-based
- Learner-centered and inquiry-based

#### What will I do?

You'll not only extend your maths skills, but you'll also develop skills in communication, collaboration, and literacy.

- Explore concepts beyond the classroom
   Learn about possible pathways and
  - careers
- Work with passionate mathematicians and statisticians



Information and applications:





BiG Day In events are for you if you're in Year 9-12. They give you the opportunity to explore careers in technology. Held on University campuses, you gain insight into 'university life' so you can make better informed decisions about your future.

Learn about courses, degrees, work experience, internships, apprenticeships and engage with hands-on demonstrations of awesome technology!

You'll attend 7-8 sessions covering career paths, career opportunities, the latest developments, and the future of technology. In the breaks, you'll visit exhibitor stands to speak with company and university representatives.

Watch highlights from previous years' events:





#### **New South Wales**

- University of Technology Sydney, Day 1, 20
   March 2024
- University of Technology Sydney, Day 2, 21
   March 2024
- University of Newcastle, 2 May 2024
- Charles Sturt University Port Macquarie, 8 May 2024
- Western Sydney University Paramatta, 15 May 2024

#### Queensland

- Sunshine Coast Bokarina, 12 March 2024
- The University of Queensland Brisbane, 28 May 2024
- Griffith University Gold Coast, 15 August 2024

#### **South Australia**

• University of Adelaide, 13 June 2024

#### **Tasmania**

University of Tasmania, 5 June 2024

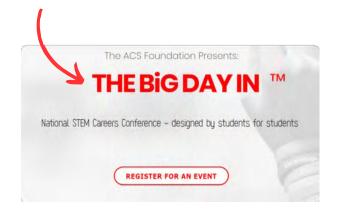
#### **Victoria**

RMIT Melbourne, 30 May 2024

#### Western Australia

Edith Cowan University, 19 June 2024

Click below to buy tickets (\$10)







### Defence Work Experience Program

About the Defence Work Experience Program

The Defence Work Experience Program provides young Australians interested in Defence as a future career, the opportunity to sample life in Defence and learn more about the Australian Defence Force (ADF) and the Australian Public Service (APS).

Defence work experience activities are designed to be hands on and interactive so that you can make informed career decisions.

Participants must be 15 years of age or over at the time of the placement.

**How to Apply** 

Placements are advertised through the <u>Defence Work Experience Program Jobs List</u>. Each placement includes an information pack that provides details of the activities you may participate in, any special conditions of the placement, and the eligibility/assessment criteria.

Changes can be made to the application until the closing date for placements.

Note that there are usually more applications than available spots, so you should approach the application process as you would a job application. Ensure all questions are answered and provide as much detail as possible.

There are many opportunities, so this is just a snapshot of some upcoming placements:

Job Name & Apply By Date

<u>Air Force Familiarisation Placement - RAAF</u> <u>Richmond - March 2024</u> 25-Feb-2024

Navy Familiarisation Program: HMAS Coonawarra 25-Feb-2024

Naval Gazing: Navy Careers Experience -April 25-Feb-2024

ASD Cyber Security and Robotics Work

Experience Program (April) Brindabella Park,
ACT 25-Feb-2024

<u>Air Force Aviation Program for Women 1</u> RAAF Williamtown (Hunter Region) 03-Mar-2024

Navy Aviation Overview (April) Nowra, NSW 03-Mar-2024

Exercise First Glance - Indigenous Youth Placement: RMC Duntroon 08-Mar-2024

<u>Joint Proof & Experimental Testing Immersion</u>
<u>Day: Port Wakefield (23 April 2024)</u>
11-Mar-2024

<u>Australian Defence Force Academy (ADFA)</u> <u>Showcase</u> 6 May 2024 17-Mar-2024



Challenges are free and open to students nationwide unless otherwise stated. Click the images for more information or to register.



Inspired by Gough Whitlam's commitment to involving young people in shaping Australia's future, the What Matters? writing competition is open to students in Years 5 to 12.
Responding to the simple question 'what matters?', you are free to express your views on any matter you care about. Entries can be fiction, non-fiction, poetry or prose of up to 600 words closing Friday, 17 May 2024.



It's time for students with a knack for communicating, and budding filmmakers with an interest in science, to pull out their cameras. The Sleek Geeks Science Eureka Prize encourages you to communicate a scientific concept in a way that is accessible and entertaining so the public can 'learn something without even noticing'. The 2024 theme is 'Energy'. Entries close 7pm AEST Friday 12 April 2024.



Young ICT Explorers (YICTE) encourages students in Years 3 -12 to solve real-world problems or showcase their passions using technology. Work in a team to outline your project including what you created and why, and what technologies you've used. Your report is reviewed for with opportunity to present your project to a judging panel. Registration Deadline: 01 July 2024.



Are you Australia's best young writer in Year 7 - 12? What is your Addiction? In 100 words or less (not including title), write your story incorporating the theme 'Addiction', then fill out the entry form and you're in! Any style is welcome – short- story form, poem, haiku, limerick, song (but must be in English). Entries are now open and close 11:59 pm Friday 29 March 2024.



More News.... WEEK 7 2024



#### **Deakin Campus Tours in April**

Experience your future campus and get the course information you need.

Deakin's tours are the perfect way to begin one's university journey and to get a feel for campus life. Students participating in a tour get to experience Deakin's vibrant campuses and world-class facilities in a study area that interests them. In addition, staff and students will be available at the course information expo set up. Tours will depart daily from 9.00am – 3.00pm.

Melbourne Campus	Wednesday 3 April	
Geelong Waurn Ponds Campus	Thursday 4 April	
Warrnambool Campus	Monday 8 April	
Geelong Waterfront Campus	Tuesday 9 April	
Geelong Waurn Ponds Campus	Wednesday 10 April	
Melbourne Campus	Thursday 11 April	

Register at **Deakin Campus Tours**.



## University News from Australian National University

#### Applications for 2025 Entry

Current domestic Year 12 students who intend applying directly to ANU for undergraduate study in 2023 are advised that direct applications opened on Friday 1 March 2024 and close on Monday 13 May 2024. The deadline to provide all supporting documents is Monday 20 May 2024.

Students are advised to read through Application Information before applying at Applying to ANU.

#### > ANU Open Day 2024

Get a taste of ANU by attending Open Day 2024. Students unable to attend in person for the Open Day, will be able to watch it online as the event will be live-streamed.

Date: Saturday 16 March 2024

**Time:** 9.00am – 3.00pm

Find out more and register at ANU Open Day 2024





### **MYSci Program at Monash University**

*MYSci* is a three-day science program specifically designed for students current Year 11 and 12 students. The program has been significantly revised from the 2023 event, and so students who attended in 2023, can also attend in 2024!

This program schedule will include:

- Hands-on workshops
- Access to our brilliant teaching facilities
- Opportunities to meet some of our Research Scientists
- Exposure to potential career pathways
- Activities with the Young Scientists of Australia
- Social activities

When: Wednesday 3 – Friday 5 April 2024 Where: Monash Science Precinct, Clayton Campus

Cost: \$120 per student

Registration is essential and can be done at MYSci Program.



#### **Monash Engineering Girls (MEG)**

**Monash Engineering Girls (MEG)** is an engagement program designed for young women who want to know about the possibilities of a career in engineering. If you like maths and science, are creative, a problem solver, enjoy working in a team and designing things, engineering might be the perfect career choice for you.

MEG is open to all Year 9-12 girls with an interest in a career in engineering, and participating in this program is a great way to get insights into the many opportunities available in the field of Engineering. Students can join in Year 9 and remain until they finish Year 12. During that time, students will have the opportunity to participate in a range of special activities and VIP events that will help them gain an understanding of all the different types of engineering and which one could suit them. They will also form connections with others like themselves, have lots of fun experiences, and interact with current Monash Engineering students to learn what it is really like to study at Monash. Students will also get to meet the talented academic staff who teach at Monash, as well as many graduates who are doing amazing things in their lives and careers.

MEG students are invited to the first MEG event for 2024 on Tuesday 9 April 2024. Monash Engineering in collaboration with STEAM Engine Co. is delivering a STEAM City Workshop which is exclusive for Year 9 to 12 Monash Engineering Girls (MEG) members and is designed to develop key skills such as problem-solving, design thinking and project management.

This event is an exclusive workshop for MEG members only, so please join MEG to receive the invitation for this workshop.

Find out more and sign up at Monash Engineering Girls (MEG) - Monash University.



#### **Victoria Police School Leavers Careers Expo**

**Victoria Police Academy** will be hosting its first-ever student careers exp on **Saturday 16 March 2024**. This is an exclusive event for all students unsure about their career path. This event is open to students that are currently in high school, TAFE or university. This is an opportunity to explore the Academy grounds and check out the facilities. It will be a rare opportunity to see what life is like for the training officers.

During the session, students will be taken through the many different career options available to them within Victoria Police. Students will also be able to chat with current police officers about their experiences on the job. Students can take one friend, parent or guardian as your guest.

Registration is essential. Visit Victoria Police School Leavers Careers Expo to find out more, and to register.



# Collarts Creative Course and Careers Expo

Join Collarts for its new Creative Course & Careers Expo, a night tailored for those with bustling schedules and daytime commitments!

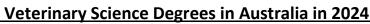
Discover our creative qualifications in Entertainment, Design, Performing Arts, and Communication, and find a career pathway that fulfills you while hearing first-hand from our students and graduates.

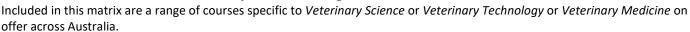
No need to rush to pre-scheduled sessions either: Collarts will open up three of its campuses on different weeknights – **19 March AND 20 March AND 21 March** – so students have the opportunity to float between rooms and enjoy the free food and beverages at their own pace.

- Learn about creative industry trends and the career opportunities awaiting you
- Chat one-on-one with our accomplished lecturers
- Meet real Collarts students and alumni
- Tour our state-of-the-arts facilities located in the inner-north creative hub
- Discuss your goals and how to get there with our Careers Pathway Advisor
- Learn how you can use your Collarts studies to amplify your current profession or assist you in taking a new career direction
- Discover our flexible study modes to find the one that works for you
- Uncover our exclusive industry partnerships
   Free canapes and beverages provided

Register at Course and Career Expo.







Veterinarians diagnose, treat and help to prevent disease and injury in animals. They advise on measures to prevent the occurrence or spread of diseases and on ways to improve the health and productivity of animals, and supervise safety standards on food supplies. (Good Careers Guide).

Veterinary Science and Veterinary Medicine are similar fields – both involve working with animals, however careers in veterinary medicine focus on hands-on animal care, while veterinary science careers tend to focus more on research and instruction (Indeed Careers Guide)

INSTITUTION	COURSE	VCE ENTRY REQUIREMENTS
Charles Sturt University	Bachelor of Veterinary Biology / Bachelor of Veterinary Science	Assumed knowledge: An English, Maths Methods, Chemistry An ATAR of 90.00+
	Bachelor of Veterinary Technology	Assumed knowledge: An English, Chemistry, Maths Methods An ATAR of 70.00+
James Cook University	Bachelor of Veterinary Science (Honours)	Assumed knowledge: An English, Maths Methods, Chemistry Biology recommended An ATAR of 90.00+
Murdoch University	Bachelor of Science / Doctor of Veterinary Medicine	An English An ATAR of 94.00+
University of Adelaide	Bachelor of Veterinary Technology	Units 3 and 4: English, Maths Methods An ATAR of 75.00+
	Bachelor of Science (Veterinary Bioscience) / Doctor of Veterinary Medicine  Note: Students complete the B Sci (Veterinary Biosciences) before articulating into the Doctor of Veterinary Medicine	Units 3 and 4: English, Chemistry OR Biology OR Maths Methods Physics recommended An ATAR of 90.00+
University of Melbourne	Bachelor of Science / Doctorate of Veterinary Medicine  Note: Students complete the B Sci (with major in Veterinary Biosciences) before articulating into the Doctorate of Veterinary Medicine	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; and a study score of at least 25 in one of Maths: Mathematical Methods (any) or Maths: Specialist Mathematics; and a study score of at least 25 in one of Biology, Chemistry or PhysicsOR Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; and a study score of at least 25 in both of Maths: Mathematical Methods (any) and Maths: Specialist Mathematics.  An ATAR of 85.00 for BSci or 98.50 for guaranteed package
University of Queensland	Bachelor of Veterinary Science (Honours)	Units 3 and 4: an English, Maths Methods, Chemistry, and Physics OR Biology An ATAR of 98.95+ and the Casper Test is used for selection
	Bachelor of Veterinary Technology	Units 3 and 4: an English, General Maths or Maths Methods. Biology, Chemistry and/or Physics are recommended An ATAR of 75.00+
University of Sydney	Bachelor of Veterinary Biology / Doctor of Veterinary Medicine	Units 3 and 4: English, Maths Methods, Chemistry, and Biology. Physics is highly recommended An ATAR of 98.00+



#### Global Educators Snapshot of Box Hill Institute (BHI) in 2024

- Box Hill Institute, formally known as Box Hill TAFE, began operating in 1984.
- Box Hill Institute (BHI) offers qualifications range from certificates I to IV, diplomas and advanced diplomas, even associate, bachelor, and master's degrees - Over 250 TAFE Courses & Degrees at BHI.
- BHI's vocational and higher education qualifications are nationally accredited and internationally recognised.
- BHI offers apprenticeships, traineeships, and pre-apprenticeship courses across a range of trade and industry areas <u>Apprenticeships</u> and <u>Traineeships</u>.
- BHI has a number of Melbourne campuses three in Box Hill, one in the city, and the <u>Lilydale</u> Lakeside Campus is the newest campus.
- Through its partnerships with international educational institutions and other organisations, Box Hill Institute has ten <u>international global educational partners</u> delivering Australian qualifications to residents throughout the Asia-Pacific region and in the Middle East.
- BHI has a number of excellent <u>facilities</u> including its new, one-of-a-kind, <u>Integrated Technology Hub</u> which provides collaborative and innovative learning spaces for the air conditioning, refrigeration, mechanical, plumbing and electrical technologies industries. There are excellent Workplace Training Facilities where students get access to real and simulated work environments in order to gain lots of practical hands-on experience. The environments are real, the tools and equipment are the latest, and the customers are paying members of the public.

Some of the workplace training facilities include:

- ✓ Barbershop
- ✓ <u>Hair and Beauty Salon</u>, providing spa treatments and services
- ✓ Pets on Elgar, a veterinary clinic and dog-grooming centre
- ✓ <u>Fountains Restaurant</u>, Box Hill Institute's premier training restaurant
- BHI offers its students Study Abroad opportunities.
- BHI has a range of <u>Student Support Services</u>, including study support, and personal and career counselling.
- BHI offers courses through the Free TAFE For Priority Courses.
- BHI offers offer a number of <u>scholarships</u> that:
  - ✓ recognise the academic achievement of students
  - ✓ help students who need financial assistance







#### Are You Thinking About a Gap Year?

A Gap Year in the Australian Defence Force (ADF) is a unique opportunity for students to experience life in the Navy, Army or Air Force without needing to make a long-term commitment.

The skills obtained through a 12-month ADF Gap Year program will provide them with experiences that are completely transferable and will help them develop confidence for their next endeavours.

Students who take part in the ADF Gap Year program will grow and develop in a dynamic, supportive and people-focused environment.

Whatever their interest, there are a variety of roles for your students to select from. These include experiences in management, engineering, logistics and warehousing, combat and security, and administration.

Browse over fifteen roles available for students, or discover these priority roles:



Maritime Warfare
Officer



**Army Logistics** 



Warehouse Storeperson

Experience life and work in the Navy as an officer for just one year, shadowing the officers who control, navigate and ensure the safety of a ship.

Experience being part of one of the largest logistics organisations in Australia during your Army Gap Year.

Manage the procurement, storage and distribution of equipment, supplies and spares in this busy logistics role, while enjoying a 12-month taste of life in the Air Force.

Want extra information on ADF Gap Year to support your students? Read about <u>ADF Gap Year</u>, call 13 19 01 or find a local <u>ADF Careers Centre</u>. Discover <u>Gap Year events</u> virtually and in your area to learn more.

The ADF Careers website is soon getting an upgrade. Some website features will be unavailable between the 10th and 12th April 2024. For immediate assistance or to start an application during this period, contact our team on 13 19 01.

#### **GEN U - Discover our School Leaver Options!**

genU would like to invite students and families to find out about a range of National Disability Insurance Scheme (NDIS) funded options we have suitable for senior years students and school leavers.

We understand how difficult it is for students to make decisions about which services they would like to access when they are finishing school. Therefore, we are bringing a range of our employment, training, independence, and social support services together to the one place at the one time. Students can then find out about a range of opportunities all at once.

#### These include:

- School Leaver Employment Supports (SLES).
- Disability Employment Services (DES).
- Employment with our Social Enterprises.
- genU training.
- Community & Independence activities
- genU support coordination.

There will be staff available from each service to answer any questions students and families may have. We will also provide a take home pack so students can discuss with their families and supports.

When - March 26<sup>th</sup> 2024 Time - 10:30 am till 12 pm. Where - genU Business Enterprises - 77 Douro Street North Geelong.

Please RSVP Abby by March 18<sup>th</sup>.



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