Careers Newsletter

What is a Fintech Engineer?

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'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

> "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 Businessman

Career Tools

The CA ANZ X Year13 Business Class Academy is your ticket to an exciting career!
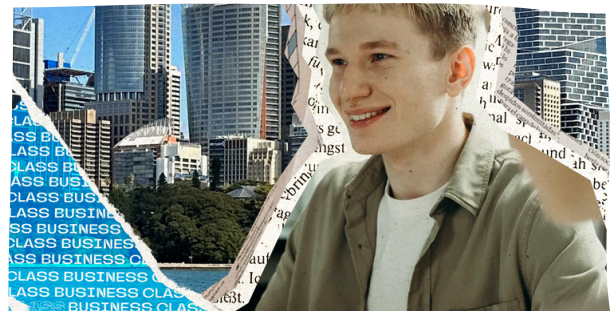
Think differently, change the world, and work in your dream industry - it's all in reach with an accounting career.

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.

- **AI Powered Accounting:** AI is a game-changer. 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 **CA ANZ X Year13 Academy** 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 side-effects can lead to decreased focus, poor work quality, and difficult relationships. Vaping may also intensify mental health issues, affecting your personal well-being 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 **www.health.gov.au/vaping** 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!

© Career Tools

Guide to Climate Careers

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?

Where can I report unsafe work conditions?

Is that safe?

Are you able to supervise me while I do this?

Where are the emergency policies kept?

Information and image from: www.worksafe.vic.gov.au

THE UNIVERSITY OF MELBOURNE

— School of Mathematics and Statistics

Click here to apply.

Micro Mathematicians

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 in-person 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 in-person
- 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:
✉ ms-outreach@unimelb.edu.au
▶ go.unimelb.edu.au/9dqe

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
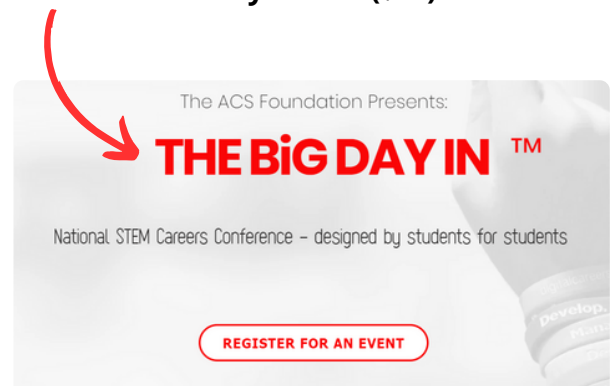
Tasmania
- University of Tasmania, 5 June 2024

Victoria
- RMIT Melbourne, 30 May 2024

Western Australia
- Edith Cowan University, 19 June 2024

Click below to buy tickets ($10)

The ACS Foundation Presents:

THE BiG DAY IN ™

National STEM Careers Conference – designed by students for students

REGISTER FOR AN EVENT

Australian Government
Department of Defence

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 Defence Work Experience Program Jobs List. 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
Air Force Familiarisation Placement - RAAF Richmond - March 2024 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
Air Force Aviation Program for Women 1 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
Joint Proof & Experimental Testing Immersion Day: Port Wakefield (23 April 2024) 11-Mar-2024
Australian Defence Force Academy (ADFA) Showcase 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.