

Careers Newsletter

Agriculture Equipment Operators



What are Information Security Analysts?

Envision yourself at the helm of powerful machines, working the land that feeds nations. Agricultural Equipment Operators are crucial in modern farming, skilfully handling machinery like tractors, harvesters, and ploughs to cultivate, sow, and harvest crops.

What skills and strengths are needed?

A good understanding of machinery operation and basic maintenance. Precision and attention to detail for tasks like planting and harvesting which require accuracy. Physical stamina to handle long hours, often in varying weather conditions. Problem-solving abilities to quickly address equipment issues to minimise downtime, and strict adherence to safety measures.

What are the pathways?

VET courses in Agriculture or Agricultural Mechanics offer practical skills and knowledge combined with hands-on experience. You may also require specific licences depending on the machinery you're operating.

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"Find the smartest people you can and surround yourself with them."



— Marissa Meyer, CEO, Yahoo!

AI and Your Future Career

Ever wondered how Artificial Intelligence (AI) might change your future job? With tools like ChatGPT making waves, there's a lot of buzz about what work will look like in an AI-driven world.

AI isn't about replacing us; it's about working alongside us, making jobs more efficient and interesting. AI can do cool things like predict trends from data, but it can't replace the human touch – that's where you come in.

Your Role in an AI World

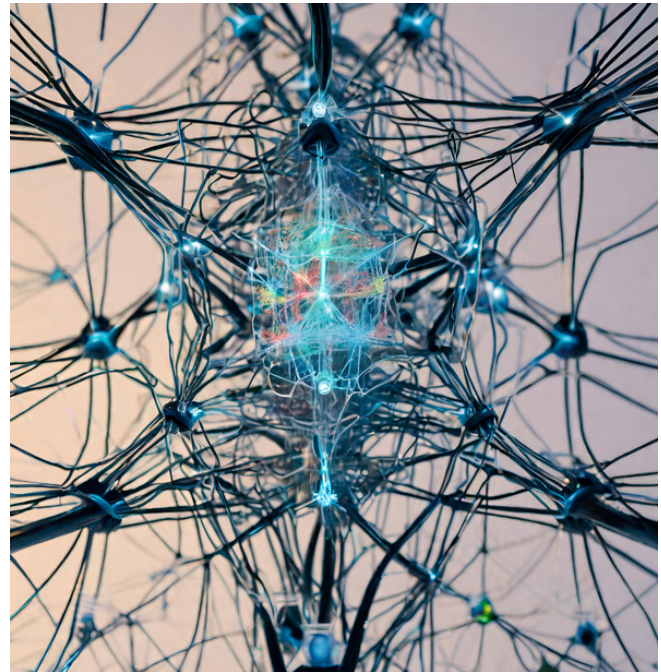
- Future jobs might involve overseeing AI, making sure it's doing its job correctly and ethically.
- When AI gets things wrong (yes, it happens!), humans step in to correct and guide it.

Get Ready for AI in Your Career

- **School Subjects:** Think about focusing on subjects like IT, maths, and even ethics to understand how AI works.
- **Skills for the Future:** Develop skills like problem-solving, creative thinking, and communication – they're important when working with AI.

AI's Challenges

- One big question is, how do you get experience in tasks that AI now handles? It's something we're still figuring out.
- Keep learning and adapting. The more you know about AI, the better you can work with it, and maybe even boss it around a bit!



7 jobs working with AI

1. **AI Developer:** Create and program AI algorithms and applications.
2. **Machine Learning Engineer:** Develop models and algorithms that enable computers to learn from and act on data.
3. **Data Scientist:** Analyse complex data to optimise web functionality and user experience.
4. **AI Research Scientist:** Advance the capabilities of AI technology in research environments.
5. **Natural Language Processing Engineer:** Work on technology that allows machines to understand and interpret human language.
6. **Robotics Engineer:** Design and develop robots to perform tasks autonomously.
7. **Ethical AI Advisor:** Ensure AI systems are developed and used in ethically responsible ways.



Audition now!

DO YOU HAVE WHAT IT TAKES TO BE A FUTURE FIXER?

Key Dates

6 November 2023: Auditions open to the public.

8 December 2023 @MIDNIGHT: Auditions close.

Do you have what it takes to solve Australia's biggest problems? Are you in Yr 10 or Yr 11? Are you a creative thinker? A tech whizz, a project manager, or got the gift of the gab?

From climate change, keeping teens safe, waging a war on waste, tackling youth crime, fighting back on the cost of living, or even securing the future of our endangered wildlife, you will (if selected) solve the problems that the rest of us can't.

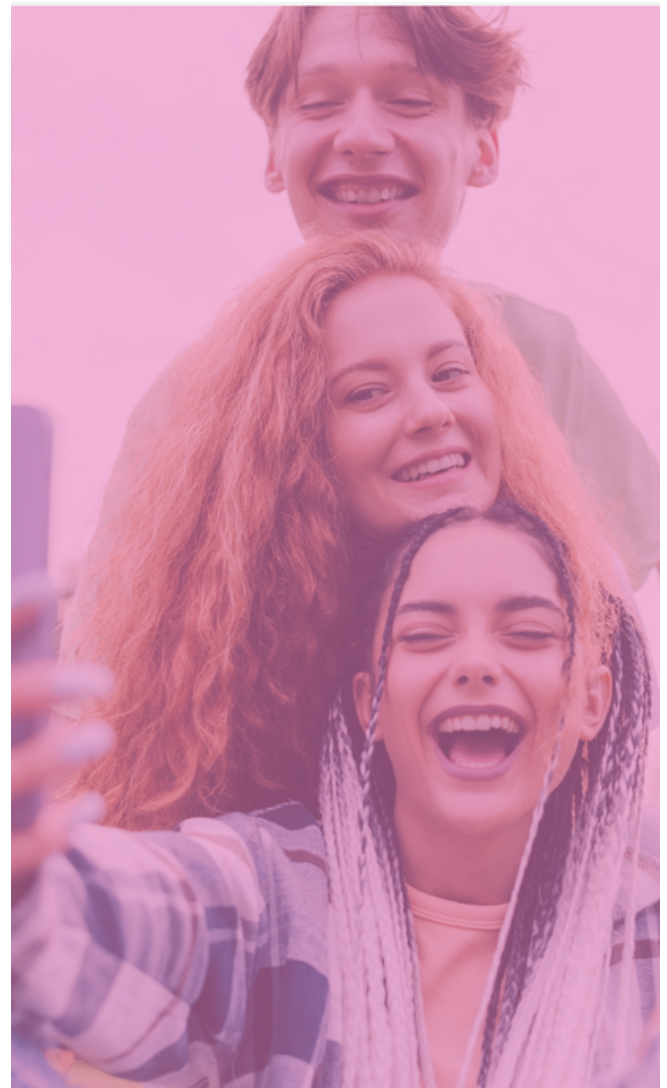
Future Fixers is searching the country for Australia's smartest tech teams to help solve the world's biggest problems through technology!

Grab a friend, build a team and enter for your chance to be a part of this once in a lifetime opportunity!

How?

- Find a coach (teacher/parent) to fill in the application form.
- Submit a 90 second video telling us all about your idea!
- Travel to Silicon Valley if your team wins!

Apply now for the 2024 Season of Future Fixers!





ENGINEERS AUSTRALIA

Engineering is a career for problem-solvers that touches every part of human life and [Engineers Australia](#) are on a mission to help you understand more about this amazing profession! They run a range of experiential activities for school students with the support from industry and university partners, so ask your career practitioner what's coming up in for 2024. In the meantime, you can check out their interactive Engineering Your Future Academy - a four-module learning experience to explore all things engineering and to figure out if it's good career fit for your future.

The Academy Modules cover:

1. The contributions engineers make
2. Seven different types of engineering
3. Three different categories of engineers
4. Facts and figures about being an engineer



Engineering Your Future



Engineers make a difference

Engineers do work that improves society and the environment - helping to shape a better tomorrow. You can be proud of, and passionate about, your work.

Endless opportunities in engineering

Engineering offers strong job prospects across many industries and excellent earning potential. There are diverse specialties and roles to choose from.

Not just for STEM prodigies

Interest and aptitude in science, maths and how things work are important, but you don't need to be exceptional to be a great engineer!



BlueShift is a business case competition for secondary school students.

Develop a business solution for a real business in the BlueShift competition

Students work in small teams to develop real business solutions for a real business. Participants compete in teams of three or four to analyse the business challenge and prepare a written solution to a real business case.

Teams with the best submissions present their ideas to a panel of judges at the BlueShift finals held at the Queensland University of Technology Gardens Point campus in Brisbane.

Why compete?

When you participate in BlueShift, you'll:

- Apply what you've learnt and work in a team on a real-world business case.
- Develop real business skills including professional presentation, financial analysis and creative problem solving.
- Gain valuable insights into the business industry.

Networking opportunities

Finalists have the exclusive opportunity to meet and network with:

- Other BlueShift competitors from across the country.
- QUT staff and alumni.
- Award-winning international business case competition team of QUT students.
- Business industry professionals.



First place

Each member of the winning team receives:

- a \$2,000 scholarship for the QUT Faculty of Business and Law.
- a \$250 EFTPOS card.
- a prize pack from sponsors.

Your school receives a \$3,000 cash prize from QUT, and your teacher receives an \$800 voucher from QUTeX, to access short courses, professional development and executive education.

Second place

- a \$100 EFTPOS card.
- a prize pack from our sponsors.

Third place

- a \$50 EFTPOS card.
- a prize pack from our sponsors.

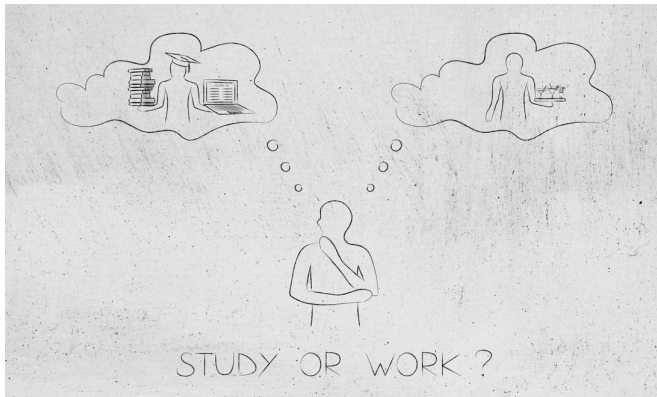
Key dates

- **Registrations open:** 1 November, 2023
- **Registrations close:** 27 February, 2024
- **Case released:** 28 February, 2024

Register your interest for the BlueShift 2024 competition.



Finishing school? Glad you'll never have to set foot inside a classroom again? New statistics from [Jobs and Skills Australia](#) could make you think twice if you're wondering whether more education is really worth it.



1. Males with a VET qualification 12.7% and females are 15.2% **more employable than those without a VET qualification.**
2. Overall, **82.7% of VET graduates gain employment.**
3. The **median income is \$10,000 more for VET graduates** than for those without a VET qualification.
4. 15.7% of VET graduates **continue with further VET training**, while 6.7% **move into higher education** (university).
5. The courses with the highest median income and best employment outcomes are those in **engineering and technology** related fields.

Make Your Summer Matter



Are you aged between 15 and 18 in 2024? Then this is your opportunity for a meaningful adventure! [Projects Abroad High School Specials](#) are overseas volunteer and internship programmes focused on safety, fun, and learning.

You can experience new cultures in Africa, Asia, Latin America, and more! Volunteers can:

 [Protect rhinos in Nepal](#)

 [Care for children in Fiji](#)

 [Practice medicine in Nepal](#)



SAVE \$400!

If you book and travel between 1 November and 31 December 2023, you'll receive a [\\$400 discount!](#) This is your chance to save money, see the world, and make a difference.



YOUNG TECHNOLOGISTS SCHOLARSHIP

Power your passion and take your STEM studies to the next level.



You could be eligible for one of 35 Westpac Young Technologists Scholarships worth up to \$20,000!

If you're applying to study a STEM degree at one of these universities:

- Murdoch University
- Queensland University of Technology
- RMIT
- Western Sydney University
- University of Wollongong

Up to 35 Young Technologists Scholarships are awarded every year with approximately 7 per partner university.

Note: You must be studying the degree full time and you cannot defer your course and scholarship offer.

Should you be chosen, you'll get access to:

- Up to three years of financial support.
- Networking opportunities.
- Mentoring programs.
- Paid internships with senior business leaders and industry-based experts.
- The chance to develop critical skills through the Disruptive Leaders Program which includes five days in Asia as part of an international learning experience.

Your interest in technology should match your drive to improve the communities around you.

Westpac is looking for the best and brightest minds and to be eligible to apply, you must:

- Be an Australian citizen or permanent resident.
- Have completed high school within the last two years.
- Have chosen to commence an approved STEM-related degree next year at one of the five partner universities. At the time of applying you do not need a formal offer to your course of choice.
- Be able to attend the Disruptive Leaders Program in Singapore (July 2024). Travel and accommodation expenses related to this event are covered by Westpac Scholars Trust.
- Be able to attend the 2024 Westpac Scholars Summit in Sydney. Travel and accommodation expenses related to this event are covered by Westpac Scholars Trust.

Applications close at 5:00pm on Monday 15 January 2024.

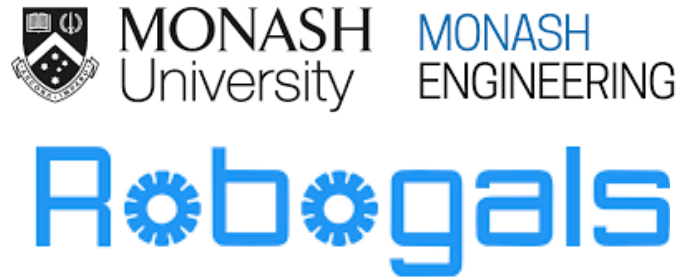
[Find more information or apply now!](#)



Engage Engineer is back for 2024 in the January summer school holidays! This two day event for Year 9 and 10 students is brought to you by Robogals and run in conjunction with our awesome engineering Teams and Clubs to deliver interactive workshops to learn about the world of engineering.

Activities include:

- Paper rocket launching,
- Designing sustainable buildings,
- Participating in a race using mini rovers you get to make.
- Tour of on campus laboratories.
- Q&A panel.
- So much more!



Date: 15th and 16th January

Time: 9am - 5pm across both days

Address: Monash University, Clayton Campus

Cost: Free!!

Due to limited spots, registration is done via first come first serve. Robogals Monash will confirm the participants' registration status via email in early January 2024. [Register here.](#)

Building & Construction Foundation Scholarships

The Building and Construction Foundation established by Master Builders Victoria has a vision for an industry that is open and accessible for everyone to succeed and they're on a mission to unlock barriers to entry and progression within the building and construction industry through offering scholarships.

Early Career Scholarship - \$2,200

Available if you would like to do a pre-apprenticeship, apprenticeship or other construction-related training. The funds are split:

- \$1,200 towards approved course fees, plus
- \$1,000 towards quality tools



Previous successful applicants have used these funds towards an array of qualifications including Certificate II in Electrotechnology, Certificate III in Carpentry and Level 1 and 2 AutoCAD training.

[Download the application form here.](#)





With nearly 100 spas nationwide, endota is the largest day spa network in Australia and endota Wellness College provides nationally recognised training in Beauty Therapy, Remedial Massage, and Salon Management.

endota Wellness College Student-Spa

Practical experience is critical to your success so you'll be immersed in all things beauty and wellness in the endota student-spa. You'll learn industry-leading treatments from globally experienced trainers and graduate feeling confident to take on the exciting opportunities the beauty, health and wellness industry offers.

Over 80% of endota Wellness College graduates are working in the Beauty and Wellness industry.

endota Wellness College Courses

Explore endota's nationally recognised courses without an ATAR entry requirement:

- [Certificate III in Beauty Services](#)
- [Diploma of Beauty Therapy](#)
- [Diploma of Remedial Massage](#)
- [Diploma of Salon Management](#)

Courses commence from January 22, 2024.



Discover where the Beauty and Wellness industry can take you at the endota Wellness College Open Days.

Open Days

Learn how endota Wellness College trains students to become qualified, highly skilled, and job-ready beauty and wellness professionals at its open days where you will:

- Experience student life at the spa-like Docklands campus.
- Immerse yourself in an interactive facials masterclass.
- Meet the team of expert trainers and hear from endota CEO Helen Robb-Lacey.
- Uncover the career pathways and opportunities within Australia's largest spa network.
- Enjoy nourishing nibbles and refreshments and a free goodie bag!

Saturday December 9 2023, and Wednesday January 10, 2024. [Register here!](#)



Competitions and challenges are either free or have low entry fees and are open to students nationwide unless otherwise stated.

Trust for Sustainable Living 2024 Essay Competition

The International Student Essay Competition asks "How can nature help us achieve the UN SDGs in my community?" Unique and well-argued perspectives score highly. Ask a teacher to register you. Open to 12-18 year-olds until 18 January 2024.

Australian Stockholm *Junior Water Prize 2024*

The prestigious Junior Water Prize is an excellent opportunity for you to showcase your work on the world stage! Open to students aged 15-20 who have conducted water-related projects of environmental, scientific, social or technological importance. Due 1 March 2024.



ACADEMY FOR **ENTERPRISING GIRLS**

A fun online eLearning campus designed to help students learn the innovation, design thinking, and tech skills to think like a Girl Boss. Learn resilience and problem-solving and develop the confidence to bring your ideas to life. No closing date; enrol anytime.

LITTLE STORIES BIG IDEAS

FREE TO ENTER
GREAT PRIZES ON OFFER

NOW OPEN FOR ENTRIES
CLOSING MIDNIGHT
22 DECEMBER 2023

TERM 4 2023

MAGIC

In 100 words or less (not including title), write your story incorporating the theme 'Magic', then fill out the form and you're in! You can enter as many times as you like. You can even enter anonymously. Closes midnight 22 December 2023.

