



CUMBERLAND
CITY COUNCIL

TRADE UP

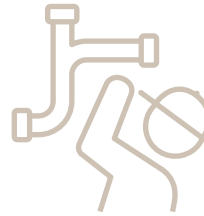
TO A

BETTER

FUTURE



DISCOVER A TRADE



Trades people play a vital role in Australia's economy.

They build new roads, bridges, and buildings and are responsible for maintaining and repairing of our homes, our businesses, equipment, and machines, providing goods and services and generally improving the quality of life for all Australians.

Trades people are an important part of many of Australia's top industries like manufacturing, transportation and agriculture which produce the products we eat, use, and need in our daily lives.

The construction industry which relies heavily on trades people such as carpenters, electricians, plumbers and painters is one of the largest industries in Australia.



The construction industry generates nearly
\$360 billion
in revenue

which is **9%** of
Australia's GDP



The construction industry employs around
1.18 million
people

which is **8.7%** of the
total workforce

However, there is significant shortages of skilled trades people in Australia.

This shortage is expected to continue in the coming years, as the population of Australia grows, and the economy expands.



The number of apprentices in Australia **has declined by**

33% since 2013 ↓

The number of jobs available **has increased by**

50% since 2013 ↑





THE BENEFITS OF A TRADE

This presents the perfect opportunity for anyone looking for a new and rewarding career. Pursuing a career in trade related professions has many benefits:

1

Easier entry requirements

To learn the skills needed to enter a trade related profession, you can:

- Do an apprenticeship to obtain on-the-job training and experience and learn the skills you need to be a successful trade person.
- Study at a Certificate IV at TAFE to obtain the skills and knowledge you need to work in a particular trade.
- Have your trade skills learned overseas assessed and recognised.

2

It is fast and costs less

Earning the qualifications needed for skilled trades takes less time and is cheaper in cost than most university degrees.

3

You earn while you learn

Whether it be as an apprentice or as employee, you can work in the industry or elsewhere whilst you obtain your qualifications.

ONCE QUALIFIED, TRADE RELATED OCCUPATIONS OFFER:

High Salaries

According to Indeed.com, trade jobs are among the highest paying jobs in Australia, with some trades earning more than \$100,000 per year.



High Demand



Trade jobs are in high demand and are stable and secure employment as many industries rely on skilled workers to perform essential tasks.

High Mobility



Trade jobs offer a variety of work environments and tasks, as they may work on different projects, locations, and clients. Trade related occupations can also enable workers to travel or work overseas with recognised qualifications.

High Satisfaction



Trade jobs can be extremely rewarding and satisfying as workers to use their hands or work with tools, machines, materials, and people to create or maintain something useful or valuable.

High Quality of Life



Trade jobs offer flexible hours, which can be a great for workers who want to balance work with other commitments, such as family or hobbies.

High Creativity



Trade jobs allow workers to express their creativity and individuality. For example, carpenters and joiners are the leading occupations in the construction, they can work on various projects such as building houses, furniture, cabinets, stairs, or decks. They can also use different types of wood, finishes, and designs to express their artistic skills.

High Diversity



Trade jobs can cover a wide range of sectors and industries, such as construction, manufacturing, automotive, hospitality and agriculture. Trade related occupations can also offer various levels of specialisation and opportunities to management.

High Future Prospects



Tradespeople who are skilled and motivated can advance their careers by taking on more responsibility, learning new skills, and starting their own businesses.

MULTICULTURAL COMMUNITIES AND TRADES

Trade jobs can benefit people from multicultural communities as their bilingual abilities can help them communicate with customers or colleagues from different countries or regions.

They may use their cultural knowledge or perspectives to help them service their own communities and see the impact of their work. Trade jobs can help multicultural communities to promote cross-cultural understanding and appreciation through their work. As they share their cultural stories, experiences or insights with their customers or colleagues and build networks and connections that can support them in their personal and professional lives in Australia.

More information and support can be found here:

The Australian Government Department of Employment and Workplace Relations – a website with information on apprenticeships, including a list of accredited training providers. www.dewr.gov.au

Skills NSW is a government agency that works to improve the skills and productivity of the New South Wales workforce. They offer a range of programs and services to support apprentices and trainees, including financial assistance, training grants, and mentoring. education.nsw.gov.au

TAFE (Technical and Further Education) college may also offer apprenticeship programs. They can provide you with information on the different apprenticeships they offer, as well as help you with your application. www.tafensw.edu.au/tafe-nsw

Trades Recognition Australia (TRA) is a government-funded organization that helps people get their trade qualifications recognized in Australia. A website with information on how to apply for recognition, as well as a list of accredited assessment bodies. www.tradesrecognitionaustralia.gov.au

Apprenticeship Support Australia is a government-funded organization that provides information and support to apprentices and employers. A searchable database of apprenticeships, as well as resources on how to find an apprenticeship, apply for one, and get started. www.apprenticeshipsupport.com.au or call 1300 363 831 for free advice

The National Skills Commission (NSC) is an independent statutory body established in 2020 by the Australian Government. The NSC's mission is to provide expert advice and national leadership on Australia's labour market and current, emerging and future workforce skills needs. They have an important role in simplifying and strengthening Australia's Vocational Education and Training (VET) system. www.nationalskillscommission.gov.au

A male and female scientist in a laboratory setting. The male scientist on the left is wearing a blue hairnet, safety glasses, and a white lab coat. The female scientist on the right is wearing safety glasses, a blue surgical mask, and a white lab coat. They are both looking at a sample on a microscope. The background is a blurred laboratory environment with blue lighting.

THE IMPORTANCE OF STEM

The world is changing around us, digital technology has become a core part of our everyday lives. Advances in technology impact everything, especially the world of work. Entire job sectors are emerging or changing. As the world of work evolves, we will need to update our skills to match.

STEM stands for Science, Technology, Engineering and Mathematics, and it refers to a range of skills such as critical thinking, creativity, problem solving and data analysis that are essential for the modern world and for the future.

STEM based jobs are essential for the Australia's economy, society, and environment, as they contribute to innovation, productivity, and diversity. It is vital that Australia keeps pace with technological change to advance its economy and prosperity.

The time is NOW to study and develop the necessary skills to prepare for the jobs and challenges of the 21st century.

THE FUTURE OF STEM

The future for STEM jobs and skills in Australia is incredibly positive.



Jobs in STEM fields
projected to grow by
14.2%↑ between
November 2021 and
November 2026

which is **twice as fast** as
non-STEM occupations



There will be more than
400,000
new STEM jobs created
in the next five years

that represents **nine**
out of every ten new
jobs created in the next
five years

- The most in-demand occupations that require STEM skills are aged and disabled carers, software and applications programmers, registered nurses, database and systems administrators, and ICT security specialists. These occupations are expected to have the largest increases in employment over the next five years.
- STEM skills can be obtained from university qualifications or from vocational training institutions like TAFE.
- People with a university or vocational qualification in STEM earn an average annual income 31% higher than the average annual income of people with a non-STEM qualification.
- The most common industries for people with university qualifications in STEM are professional, scientific, and technical services, education and training, and public administration and safety.
- The most common industries for people with a vocational qualification in STEM are construction, manufacturing, and mining.
- The most common occupations for people with a university qualification in STEM are professionals, managers, and technicians and trades workers.
- The most common occupations for people with a vocational qualification in STEM are technicians and trades workers, machinery operators and drivers, and professionals.



STEM RELATED OCCUPATIONS OFFER:

High Demand and Income



Many occupations that require STEM skills are in high demand in Australia, especially in the health, construction, and technology sectors. These occupations also offer high income and career prospects for skilled workers.

High Innovation and Creativity



Studying STEM can help you develop your innovation and creativity skills, which are essential for solving problems and creating new products or services. STEM professionals can work on exciting and challenging projects that can make a positive difference in the world.

High Social Impact



STEM skills can improve the quality of life and well-being of Australians. STEM professionals can help create or improve essential services and infrastructure that benefit the health, education, transport, communication, or energy needs of the population. STEM professionals can also help reduce the environmental impact of human activities by using sustainable materials, practices, or technologies.

High Diversity and Flexibility



Studying STEM can open up many opportunities for you to work in different industries, sectors, or countries. STEM skills are transferable and adaptable to various contexts and situations. You can also choose from a wide range of STEM fields that suit your interests and passions. For example, if you love animals, you can study veterinary science or zoology.

A **SMART CHOICE** **FOR YOUR** **FUTURE** **CAREER**

Learning STEM is important for everyone in their everyday life, with the rise of innovative technologies in biomedicine, microfabrication, robotics and artificial intelligence.

The ability to understand and use technology, apply data, and develop solutions to complex problems, will be important life skills. Don't miss this opportunity to shape your future and the future of Australia. Start your STEM or trade journey today and discover the possibilities that await you.

More information and support can be found here:

Australian Government Department of Education, Skills and Employment (DESE) is responsible for education, skills, and employment in Australia. They offer a range of programs and services to support STEM education and training, including scholarships, grants, and funding. www.dese.gov.au

The **Department of Industry, Science and Resources (DISR)** is a department of the Australian Government responsible for driving economic growth, productivity and competitiveness by bringing together industry, energy, resources and science. www.industry.gov.au

The **Commonwealth Scientific and Industrial Research Organisation (CSIRO)** is an Australian Government agency responsible for scientific research. www.csiro.au

TAFE NSW (Technical and Further Education New South Wales) is a government-funded organization that provides vocational education and training. They offer a wide range of STEM courses and programs in New South Wales. www.tafensw.edu.au

Careers with STEM – find out more about in-demand careers, future careers and those that make a difference. Type: Find Study Pathways, Student Career Info, Teacher Resources. www.careerswithstem.com.au

Women in STEM Cadetships and Advanced Apprenticeships Program aims to increase access to, and participation of, women in a Science, Technology, Engineering and Maths (STEM) field. www.education.gov.au/women-stem-cadetships-and-advanced-apprenticeships



For more information visit
[www.cumberland.nsw.gov.au/
business-and-economy](http://www.cumberland.nsw.gov.au/business-and-economy)
or call Council on **02 8757 9000**



CUMBERLAND
CITY COUNCIL