



ENGINEERING COURSE GUIDE

EXPLORE. ENQUIRE. ENROL.
TAFENSW.EDU.AU
131 601



TAFE NSW

ENGINEERING

If you enjoy creative solutions, solving problems and working with machines and technology, then engineering and mechanical engineering could be for you. With developments in robotics and mechanical technologies, now is the time to get skilled for the future. Opportunities are opening up across a vast range of industries, from aerospace through to energy generation. So build your career in a clean and high tech environment, while helping to build a sustainable future.

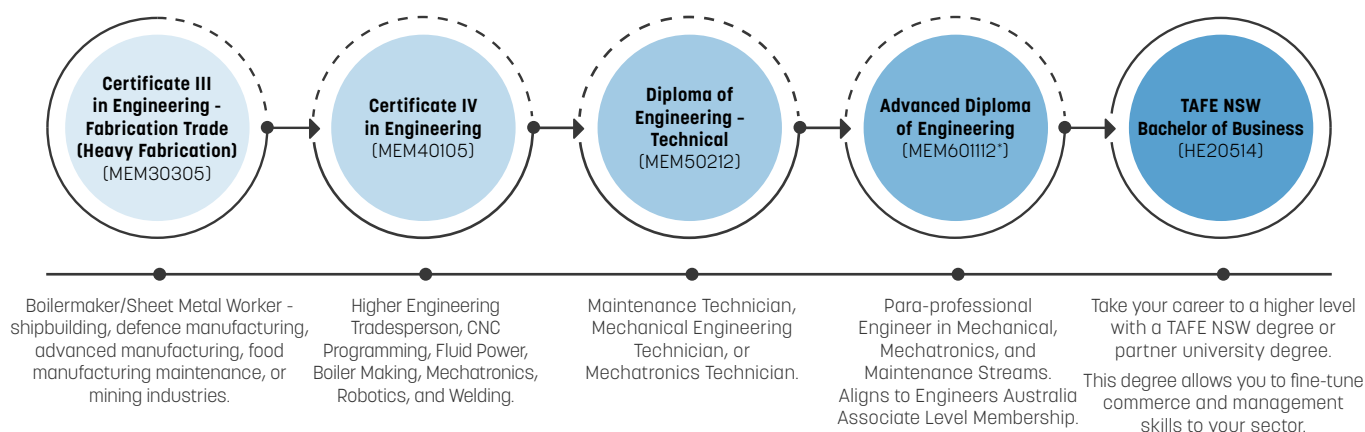


EARNING POTENTIAL

THE MEDIAN WEEKLY WAGE FOR A FULL TIME ENGINEERING TRADESPERSON OR TECHNICIAN IS \$1,270.[^]

IS IT RIGHT FOR YOU?	COURSES OFFERED INCLUDE:	POTENTIAL CAREER OPPORTUNITIES
<ul style="list-style-type: none"> Are you curious about how things work? Do you enjoy technical and mechanical activities? Do you like to think outside the box, to find the best solution? Do you love gadgets and machines? 	<ul style="list-style-type: none"> Engineering - Technical, Drafting Engineering (CNC Programming) Engineering (Fabrication) Engineering (Fluid Power) Engineering (Mechanical) Engineering (Mechatronics) Non-destructive Testing 	<ul style="list-style-type: none"> Engineering Technician Fabrication Tradesperson Fluid Power Systems Technician CNC Machinist Technology Engineer Mechanical Fitter

Example pathway to a quality career



Job ready and sustainable focus

From sustainable technologies, automation, and material technology, to communications and CAD skills; your learning is always focused on the needs of tomorrow's workplaces.

[^] JobOutlook, ANZCO ID 7123. * This qualification is superseded.

ENGINEERING COURSES

ENGINEERING		
COURSE	QUALIFICATION	CODE
Engineering (Mechanical)	Advanced Diploma	MEM60112
Engineering - Advanced Trade	Diploma	MEM50105*
Engineering - Technical	Diploma	MEM50212
	Certificate III	MEM30505
Engineering - Technical (Mechanical)	Diploma	MEM50212
Engineering - Technical (Mechatronics)	Diploma	MEM50212
Polymer Technology	Certificate IV	PMB40116*
Engineering	Certificate IV	MEM40105*
	Certificate II	MEM20105
	Certificate I	MEM10105*
Engineering (CNC Programming)	Certificate IV	MEM40105*
Engineering (Heavy Fabrication)	Certificate IV	MEM40105*
Engineering (Fluid Power)	Certificate IV	MEM40105*
Engineering Drafting	Certificate IV	MEM40412
Agricultural Mechanical Technology	Certificate III	AUR30416*
Engineering - Fabrication Trade	Certificate III	MEM30305*
Engineering - Fabrication Trade (Blacksmithing)	Certificate III	MEM30305*
Engineering - Fabrication Trade (Heavy Fabrication)	Certificate III	MEM30305*
Engineering - Fabrication Trade (Light Fabrication)	Certificate III	MEM30305*
Engineering - Mechanical Trade	Certificate III	MEM30205*
Engineering - Mechanical Trade (Toolmaking)	Certificate III	MEM30205*
Locksmithing	Certificate III	MEM30819
Manufacturing Technology (CAD/Drafting)	Certificate III	MSA30208
Mobile Plant Technology	Certificate III	AUR31216*
Outdoor Power Equipment Technology	Certificate III	AUR30716*
Sawdoctoring	Certificate III	FWP30716*
Watch and Clock Service and Repair	Certificate III	MEM31010*
Engineering - Production Technology	Certificate II	MEM20205*

* This qualification is superseded. You can still enrol in this course, and you will be contacted if you need to transition into the next version when it is available. For further information and to check for courses that are available at your location, please visit the TAFE NSW website: tafensw.edu.au

Note: Not all courses are available at all TAFE NSW locations. TAFE NSW courses, including degrees, are always being developed and refined. Visit tafensw.edu.au for the full picture. © TAFE NSW 2021 | Correct at time of publication (July 2021). RTO 90003 | CRICOS 00591E | HEP PRV12049



WHY CHOOSE TAFE NSW?

GET THE JOB YOU WANT

With our diverse range of courses, strong industry connections and approaches to learning that suit all needs, we will help you to get the job you want.



You come first

TAFE NSW has been evolving and adapting to the training and education needs of NSW for over 130 years. We exist to create outstanding learner experiences and provide quality and personalised services that allow you to achieve your goals.



You are an individual

You're never just a number at TAFE NSW. Our small class sizes, student services and social facilities all create an incredibly strong support network. We will always ensure that you receive expert support in your specific area of interest.



Quality education

We partner with employers to provide mentorships, internships, work placements, and real world learning. Whatever your course, you will develop current, practical skills through both real and simulated work environments.



Strong industry connections

Our ambition is to help you with your career goals. With hundreds of partner organisations, and relationships with over 25,000 employers, we offer up-to-date industry insights and prime networking opportunities to help you develop relationships with industry. You will also discover an invaluable professional network among your teachers and fellow students.



Excellent reputation

Our teachers are experts. They have worked in their industry and are passionate about their field. We know they are the best at what they do, because that's what our graduates tell us. Teachers combine their expertise with a friendly, relaxed and supportive approach, so you can enjoy a comprehensive learning experience.

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TAFE
NSW



83%
**EMPLOYER
SATISFACTION**

NSW EMPLOYERS ARE VERY SATISFIED WITH THE QUALITY OF THE NATIONALLY RECOGNISED TRAINING WE DELIVER*



80%
**OF THE TOP 10 GROWTH
AREAS COVERED**

TAFE NSW TRAINS 8 OF THE 10 OCCUPATIONAL CATEGORIES WITH THE GREATEST GROWTH NUMBERS OVER THE NEXT 5 YEARS.^



87.7%
**OF GRADUATES WOULD
RECOMMEND TAFE NSW**

AS A TRAINING PROVIDER - NATIONAL VET AVERAGE 90%#



89%
**GRADUATE
SATISFACTION**

WITH OVERALL QUALITY OF TRAINING AT TAFE NSW#

Safe places for learning and growth

At TAFE NSW, you will find study spaces as well as vibrant places and opportunities to network, to socialise, and to just chill out. These include cafés, gyms, bookshops, galleries and exhibition spaces, as well as areas for student bands, barbecues and theatre performances. You may even get discounts at our student training restaurants, hair and beauty salons and massage clinics.

Student association

When you enrol at TAFE NSW, you become part of our student community. Members can take advantage of the facilities, services and activities available at many of our campuses, including recreational activities, on-campus support and job placement services.

You can often also gain access to special benefits and discounts at campus bookshops or on photocopying, printing, car parking or off-campus shopping and entertainment. Membership is open to all TAFE NSW students and staff.

Visit a TAFE NSW Student Association to join.

Libraries

At TAFE NSW, you'll gain access to our statewide network of libraries with the latest digital and print resources. Staffed with a professional team of librarians, you can get assistance with locating resources and library facilities, information services, and a range of other online support services.

You can also get access to computers and software, WiFi, individual and group study areas, photocopying, printing and scanning services (including 3D printing at some locations), as well as all the research, referencing and bibliography help you need to complete your assignments.

Online 24/7

Our online libraries are available to TAFE NSW students 24/7. Simply login to access everything, from journals to tutorials to 'ask a librarian.'

Childcare centres

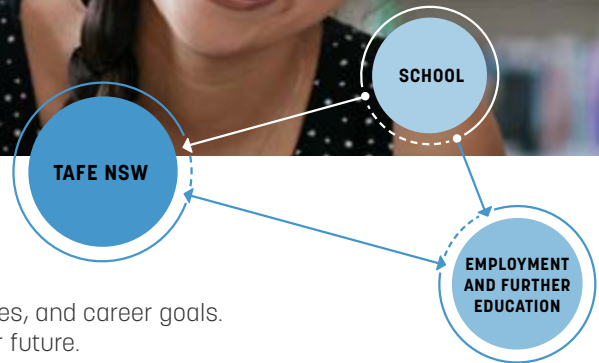
Excellent childcare facilities are provided at some TAFE NSW locations. Places may be available for children under the age of six.

Source: ^ Labour Market Information Portal, Australian Government, Occupation Projections - five years to May 2024, # NCVET Student Outcomes Data Builder (data source). * ASQA 2020 Employer Survey - Survey to A&T employers that TAFE NSW does business with.



TAFE
NSW

PATHWAYS TO SUCCESS



FORGE YOUR OWN PATH

Your pathway depends on your skills, experience, study preferences, and career goals. Explore the most popular entry points here and start planning your future.

tafensw.edu.au/study/pathways



Study at TAFE NSW while at school

tafensw.edu.au/tvet

- Gain credit towards an industry recognised qualification as part of your secondary studies
- Courses, including School Based Apprenticeships and Traineeships (SBAT), may contribute towards your HSC and ATAR
- Contact your career advisor about options available to you



Apprenticeships and traineeships

tafensw.edu.au/careers

- Earn while you learn
- Combine on-the-job training with structured study and skills development, while working towards a nationally recognised qualification
- Full time, part time, or via a school based apprenticeship or traineeship



Short courses

tafensw.edu.au/short-courses

- Choose from hundreds of short courses across a wide range of industries
- Courses can be completed over weeks or even days
- Learn skills to enhance your current role, or gain confidence to take the next step in your career



TAFE NSW degrees

tafensw.edu.au/degrees

- **Real world experience** - enhance your employability through our internships and work placements
- **Build connections** - get a head start with our strong industry ties and job placement opportunities
- **Small classes** - benefit from individual attention and group support



Pathways to higher education

credittransfer.tafensw.edu.au

- TAFE NSW courses can lead to employment or further study in a university or a TAFE NSW degree
- Visit credittransfer.tafensw.edu.au for more information about higher education pathways including articulation and credit arrangements



TAFE Digital

tafensw.edu.au/digital

- Online training in more than 200 courses, many of which utilise virtual reality (VR), augmented reality (AR), mixed reality and simulation exercises, plus other modern technologies
- Enjoy easy access to our extensive learning resources, as well as real time interactions with dedicated, industry experienced teachers and your classmates

STUDENT SUPPORT SERVICES

Aboriginal student support services

tafensw.edu.au/aboriginal-students

TAFE NSW provides a range of Aboriginal support staff to assist you with everything from enrolment to course selection. We can also give advice on applying for fee exemptions and scholarships, as well as provide mentoring to support you throughout your TAFE NSW journey.

Disability services

tafensw.edu.au/disability

TAFE NSW Disabilities Services ensure that students with a disability have access, support, and equal opportunities while studying. Disability Teacher Consultants will assist with providing reasonable adjustment based on your individual needs and the course in which you are enrolled. Disability Teacher Consultants can also help with assistive and adaptive technology needs.

Counselling and career development services

tafensw.edu.au/counselling

The TAFE NSW counselling and career development service is free and is designed to help you with strategies to get the most from your course and with your studies, as well as in your chosen career. Prospective TAFE NSW students are able to access the service to assist with course choice decisions and career planning.

Students enrolled with TAFE NSW are able to access a range of services to assist in career development and personal support.

Learning support

tafensw.edu.au/study-support

TAFE NSW provides valuable learner support at our 'drop-in' or flexible learning centres, in small groups or one-on-one. Call 131 601 to find out what study support services are available at your location.

International students

tafensw.edu.au/international

Coordinators can offer advice, support and referral services to assist you during your studies. They will help you to achieve your education goals and make your time in Australia rewarding and enjoyable.

Download our International Guide today.

Scholarships

tafensw.edu.au/scholarships

TAFE NSW works with government, non-government and industry partners to develop and deliver scholarships for students who are experiencing financial, social, or other barriers to study.

For more details visit tafensw.edu.au/support





START YOUR PATH TO SUCCESS.

TAFE NSW offers hundreds of courses, diplomas, and degrees that you can study at any of our 130 locations around the state, or in the comfort of your own home.

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