

Trades

0800 TPP INFO
tpp.ac.nz



Tai Poutini Polytechnic
 West Coast
NEW ZEALAND

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About Us

At Tai Poutini Polytechnic we're serious about education. Our tutors are all experts in their field, have excellent industry connections and are passionate about teaching.

We are part of Te Pūkenga, the national vocational tertiary education provider, with campuses on the West Coast and other NZ locations. This means we have access to more resources, can provide more options and flexibility for learners and we have plenty of opportunities for innovation.

Once fully established, Te Pūkenga will provide a flexible combination of campus-based, online and work-based learning to meet the needs of learners and employers. We are playing a big part in the sector reforms, testing new ideas, being proactive with initiatives and focusing on getting great outcomes for our learners.

Applying to enrol as a student at Tai Poutini Polytechnic is simple. If you require more information or wish to speak directly with a tutor please email us at: study@tpp.ac.nz or call 0800 TPP INFO.

Get a head-start on your trades career with Tai Poutini Polytechnic's respected trades programmes.

Pre-apprenticeship training means you can get the paperwork out of the way and learn the basics of the trade before you start. Tai Poutini Polytechnic graduates understand the business and can focus on the job with the bulk of the theory requirements of their apprenticeship under their belt from the beginning.

You'll learn in modern workshops and complete practical tasks, guided by respected tutors who can open doors for you in the industry. Employers recognise the value of Tai Poutini Polytechnic graduates, so get ahead of the pack and start your trades career today.

www.tpp.ac.nz/trades

NZ Certificate in Automotive Engineering

Automotive Engineering | Level 3

LEVEL

03

CREDITS

120



AWARD: NZ Certificate in Automotive Engineering (Level 3)

DURATION: 35 weeks, full-time (excluding holidays)

LOCATION: Greymouth

START DATES AND DOMESTIC FEES: Visit www.tpp.ac.nz/automotive for further information

Conditions apply. Visit www.tpp.ac.nz/conditions

If you love cars, trucks and motorbikes, and want to kick-start your career in the automotive industry, TPP's NZ Certificate in Automotive Engineering is perfect for you.

You'll learn all about engines and their systems, workshop safety fundamentals, electrical and electronic principles.

Your training will cover everything you need to know to get started in the automotive industry and our strong partnerships with local businesses and industry representatives will help you get a foot in the door to a great job.

As well as providing a great stepping-stone, this programme is also a good option for people who want to learn the basics so they can work on their own cars, trucks, bikes or boats.

Core Elements

Graduates with this qualification will be able to apply the knowledge and skills in relation to topics such as:

- Automotive workshop safety
- Basic workshop engineering tasks, tools and equipment
- Engines, engine systems, driveline systems
- Electrical and electronic principles, starting and charging systems, electronic controls, high voltage systems and HVAC
- Brake systems, steering and suspension systems

Further Study Pathways

- NZ Certificate in Automotive Engineering - Light Vehicle (level 3 and Level 4)
- NZ Certificate in Collision Repair Non - structural Repair (level 3 and level 4)
- NZ Certificate in Automotive Refinishing (level 3 and level 4)
- NZ Certificate in Automotive Electrical Engineering (level 3 and level 4)
- NZ Certificate in Heavy Automotive Engineering (level 3 and level 4) with strand in Road Transport
- NZ Certificate in Heavy Automotive (level 3 and level 4) with strand in Agricultural Equipment
- NZ Certificate in Heavy Automotive (level 3 and level 4) with strand in Plant and Equipment
- NZ Certificate in Heavy Automotive (level 3 and level 4) with strand in Materials Handling Equipment
- NZ Certificate in Motorcycle Engineering (level 3 and level 4)
- NZ Certificate in Automotive Diesel Fuel Technology (Level 4)
- NZ Certificate in Outdoor Power Equipment (Level 3 and level 4)
- NZ Certificate in Heavy Wheel Alignment (level 4)

Career Opportunities

Career options may be:

- Automotive Engineering Technician
- Automotive Heavy Engineering Technician
- Road Transport - Agricultural, Plant and Equipment Technician
- Automotive Electrical Engineering Technician
- Motorcycle Engineering Technician
- Outdoor Power Equipment Servicing Technician
- Power Boat Servicing Technician

It is also a useful qualification for other motor industry occupations, such as:

- Automotive Parts Person
- Service Station Attendant
- Automotive Dismantler
- Motor Vehicles Salesperson



NZ Certificate in Mechanical Engineering

Mechanical Engineering | Level 3

LEVEL

03

CREDITS

120



AWARD: NZ Certificate in Mechanical Engineering (Level 3)

DURATION: 34 weeks, full-time (excluding holidays)

LOCATION: Westport

START DATES AND DOMESTIC FEES:
Visit www.tpp.ac.nz/engineering for further information

Conditions apply. Visit www.tpp.ac.nz/conditions



Get a head-start on your mechanical engineering apprenticeship with TPP's NZ Certificate in Mechanical Engineering (Level 3).

You'll learn the foundation skills covered in the first year of a mechanical engineering apprenticeship, including machining operations, welding, CAD drawing and operations completed within an engineering workshop.

Graduates will be working under limited supervision and will gain the knowledge and skills to work safely to apply basic mechanical and/or fabrication engineering related knowledge, understanding and applied skills as an operator and/or trade assistant.

Core Elements

Graduates with this qualification will be able to:

- An understanding of relevant Health and Safety requirements and safety culture, when carrying out engineering tasks
- Numeracy, literacy, and visualisation skills to perform engineering tasks
- Perform a defined range of engineering tasks according to instructions using relevant materials, tools, and equipment
- Set up and carry out a single process engineering job according to instructions
- An understanding of effective and efficient processes and principles to the engineering jobs being undertaken
- Take responsibility for the appropriate quality of own engineering work and make corrections as required
- Participate and communicate effectively within an engineering team

Programme Structure and Workload

This programme is delivered over one year with students undertaking both theory and practical activities. The programme course components reflect the Mechanical Engineering industry and use authentic practical learning and assessment methods to prepare students for a pre-trade qualification and/or employment.

The delivery methods integrate theory and practical instruction using a mix of face to face, time-tabled tutor-facilitated classroom and engineering workshop sessions as well as on-line teaching and learning interactions.

Over the duration of the programme, students are encouraged to become independent students and compile portfolios to evidence their learning progression and to scaffold on the tutor-directed activities. Evidence is captured through classroom activity participation, completion of tasks, some research, and reflection as well as via the student's formative and summative assessments. The portfolio and project work are the major source of evidence for summative assessment purposes and tutor feedback is recorded.

Further Study Pathways

Graduates of the NZ Certificate in Mechanical Engineering (Level 3) will be eligible to progress and pathway into the NZ Certificate in Mechanical Engineering (Trade) (Level 4), NZ Certificate in Mechanical Building Services (Trade) (Level 4) or the NZ Certificate in Dairy Systems (Engineering) (Level 4).

Career Opportunities

Career options may be:

- Mechanical Engineering Fitter, Turner and Fabrication
- Automotive Machining Technician
- Construction Building Industry
- Extractive Industry Technician



"TPP's Mechanical Engineering course made good sense. I love the hands-on part of the job: learning how to operate the lathe with precision, and all the different types of welding techniques."

Jimmy Tisbury
Mechanical Engineering Student





“The TPP Carpentry programme is really worthwhile for anyone thinking of doing it. Even if you've already been building for a while and know some basics, it sets you up with good skills.”

Jack Brenmuhl - Carpentry Student



NZ Certificate in Construction

Carpentry | Level 3

LEVEL

03

CREDITS

120



**AWARD: NZ Certificate in Construction
Trade Skills, Carpentry (Level 3)**

**DURATION: 34 weeks, full-time
(excluding holidays)**

LOCATION: Greymouth

START DATES AND DOMESTIC FEES:
Visit www.tpp.ac.nz/carpentry for
further information

Conditions apply. Visit www.tpp.ac.nz/conditions



**Do you want a career in carpentry?
Enrol in building and construction
at TPP and get prepared for your
apprenticeship.**

You'll be trained in every aspect of a house build – including foundations and roofing – so you're ready for work on the West Coast where our builders do the lot. You'll even get to build a three-bedroom house alongside your classmates and get a feel for the real job.

The 34-week programme gets you ready for work. It includes three weeks' work experience with a local West Coast builder, which can often lead to offers of apprenticeships after your training is finished.

TPP tutors make sure you know how to handle yourself on a building site. You'll learn how to use hand and power tools, understand health and safety practices on-site and become more confident and more employable on a building site.

Graduates of TPP's building and construction programmes are in-demand. Local builders are busy right now and they are keen to employ graduates who have learned the basics and know how to get the job done.

If you're looking for carpentry or building construction training, then TPP is right for you. You'll learn how to become a builder and start working toward your construction, building or carpentry qualifications.

Core Elements

Core elements in this programme include:

- Workplace safety and practices
- Core skills for construction trades
- Carpentry terminology and concepts
- Building technology and properties
- Construction and installation processes and techniques
- Carpentry project preliminaries
- Carpentry project foundation and support structures
- Carpentry project frames, structures and building envelope
- Carpentry project interior linings and finishing

Programme Structure and Workload

The construction programme runs for 34 weeks including theory, practical learning and work-experience training in the industry.

Further Study Pathways

- NZ Certificate in Construction Trade Skills Level 4
- National Certificate in Construction Site Management

Career Opportunities

Graduates of this programme will have the skills to pursue a career in the construction industry in a variety of positions such as Apprentice Carpenter, Hammer hand or Skilled Labourer.



Entry Criteria

Automotive Engineering

Applicants must meet the following criteria:

- A minimum of 10 credits in literacy and numeracy at NCEA Level 2, or be able to demonstrate suitable knowledge, skills or work experience
- Applicants aged 20 years or above who do not meet the academic entry requirements, but who can demonstrate their skills, education and/or work experiences, may be eligible for special admission
- Be physically capable of meeting programme requirements
- Applicant must be physically capable of meeting programme requirements. Applicants are also required to attend an information session where they must demonstrate their ability, interest, motivation and commitment to succeed in the programme
- Applicants for whom English is a second language must meet IELTS (or equivalent) Level 5 with no band lower than 5

Mechanical Engineering

Applicants must meet the following criteria:

- A minimum of 10 credits in literacy and numeracy (algebra, trigonometry and measurement recommended) NCEA Level 1 or be able to demonstrate suitable knowledge, skills or work experience
- Applicant must be physically capable of meeting the programmes requirements. Applicants are also required to attend an information session where they must demonstrate their ability, interest, motivation and commitment to succeed in the programme
- Applicants for whom English is a second language must meet IELTS (or equivalent) Level 5 with no band lower than 5

Carpentry

Applicants must meet the following criteria:

- A minimum of 10 credits in each of literacy (reading and writing) and numeracy in NCEA Level 1, or be able to demonstrate suitable knowledge and skills
- Domestic applicants aged 20 years or above who do not meet the academic entry requirements, but who can demonstrate their skill, education and/or work experiences, may be eligible for special admission
- Applicants must be physically capable of meeting programme requirements. Applicants are also required to attend an information session where they must demonstrate their ability, interest, motivation and commitment to succeed in the programme
- Applicants for whom English is a second language must meet IELTS (or equivalent) Level 5 with no band lower than 5

We do not set a closing date for applications. The Polytechnic reserves the right to not accept late applications, i.e., after the programme has started.

You will be offered a place subject to meeting the entry and selection requirements and the availability of places on the programme.

The Polytechnic reserves the right to cancel, prior to commencement, any programme which does not attract a minimum number of students.



How to Apply

Check out our website or contact us if you have further questions about entry requirements for your chosen programme.

We look forward to hearing from you.

01

Decide on your programme

02

Either free phone 0800 TPP INFO (within NZ only) and ask for an application pack or click the 'Enrol Now' link on our website

03

Complete and return your enrolment form (please get in touch if you need help). We'll assess your application and get back to you as soon as we can

Full entry criteria and selection criteria available at www.tpp.ac.nz

For further info on awards and scholarships please refer to our Student Information Brochure

The Tai Poutini “Edge”

Version 12.11.2021

Tai Poutini is nestled between the wild Tasman Sea and the grand Southern Alps. People who live on the West Coast know what it takes to live on the edge. Confidence, skills and a “can do, will do” attitude set them apart.

Tai Poutini Polytechnic graduates are out there on the edge doing it!

He aha te mea nui o te ao?
He tangata, he tangata, he tangata!
What is the most important thing in the world?

It is people, it is people, it is people!

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