

Mechanical Engineering Trades

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Māori and Pasifika Trades Training

Ākonga Māori and Pacific looking to learn a trade can apply for a Māori and Pasifika Trades Training (MPTT) scholarship to cover full fees and course-related costs.

Tautoko while studying

Māori and Pasifika Trades Training scholarship students are supported by both Te Pūkenga - Whitireia and Te Pūkenga - WelTec through the Tamaiti Whāngai team.

The Tamaiti Whāngai team will support you with mentoring, goal setting, pastoral and cultural support. You'll have the opportunity to get your drivers license, site safe, and first aid certificates. The dedicated Tamaiti Whāngai Job Brokers have close links with employers and industry and will assist you to find an apprenticeship and/or employment.

Programmes where you can get a Māori and Pasifika Trades Training scholarship include - Automotive, Bakery, Collision Repair, Construction, Electrical Engineering, Hairdressing, Makeup and Skincare, Mechanical Engineering, Plumbing, Gasfitting and Drainlaying, Painting and Decorating, and Tiling.

Job Brokers

Our Tamaiti Whāngai Job Brokers have close with employers and have information of available jobs for MPTT ākonga.

We thank our iwi partners, Te Rūnanga o Te Āti Awa and Ngāti Toa Rangatira as well as our Pasifika partner, Mafutaga Faifeau Samoa for the support they provide to our Māori and Pasifika Trades Training scholarship students.

Scholarship criteria

You need to meet the entry criteria for the programme you are enrolling in and be:

- of Māori or Pacific decent
- 16-40 years old at the start of your study
- a New Zealand citizen or permanent resident
- able to meet the entry requirements for your programme

We want you to be passionate and show that you are motivated to succeed.

Get in touch

✉ tw@weltec.ac.nz



New Zealand Certificate in Mechanical Engineering (Level 3)



Level 3



1 year, full-time



\$9,001 (indicative for 2024 intake)

Learn the introductory skills needed to progress on to an engineering apprenticeship. This programme teaches you how to carry out engineering tasks, and the importance of health and safety. You'll also get to work on a range of projects, using relevant tools, machinery and materials.

What you will learn

Gain skills to build, maintain and operate mechanical engineering equipment and plant. Learn maintenance fitting, welding, fitting and turning, sheet metal work and fabrication. Use the machinery that is used in the industry. Work on your own projects to develop your skills further.

Most of your learning is in the workshop with around three hours of theory each week. Work on projects to develop your skills further. Use the different machinery that is used in the industry. Our students have gone on to work on everything from buildings to coffee machines.

Students will learn the following skills:

- Gain skills in fabrication - learn the behaviours of materials and how to shape and structure metal
- Carry out machining processes to manufacture a variety of parts and learn how to fit together equipment
- Gain knowledge and practical experience in a variety of welding disciplines
- Carry out and apply engineering calculations
- Read, interpret and produce engineering drawings
- Understand health and safety requirements

Career options

- Apprentice fitter and turner
- General engineer
- Fabricator
- Machinist
- Sheet metal worker
- Welder
- Toolmaker

Entry requirements

Under 20

- 10 NCEA Level 1 credits literacy and 10 NCEA Level 1 credits numeracy (algebra, trigonometry, measurement recommended). Applicants must be able to carry out the physical requirements of the programme.

20+

- If you're 20 years or over, you may qualify for special admission on this programme. Contact us if you don't meet the Under 20 entry criteria.

Related study options

[New Zealand Certificate in Engineering Fabrication \(Trade\) \(Level 4\) with strands in Heavy Fabrication, Light Fabrication, and Steel Construction](#)

Disclaimer: The information contained in this document is correct at the time of print. Whitireia and WelTec | Te Pūkenga reserves the right to cancel or postpone any of the programmes, and shall not be liable for any claim other than the proportion of programme fees that the cancelled portion bears. Some programmes may be dependent upon formal approval from NZQA (New Zealand Qualifications Authority), TEC (Tertiary Education Commission) funding allocation, and the number of enrolments. As part of the NZQA targeted review of all Level 1-6 New Zealand qualifications, there may still be changes to some programmes starting in 2024. Fees, programmes, entry and selection criteria, and dates, are subject to change. Please check the relevant programme pages at whitireiaweltec.ac.nz for up-to-date information and full entry regulations before applying to enrol. Information regarding English language requirements is available on each course page at whitireiaweltec.ac.nz.