I want to create things that move

MY PATHWAY IS RED

Wintec | WAIKATO TRADES ACADEMY

Career Opportunities

Assembler, appliance servicing, engineer, industrial measurement, fabrication, machine operator, aeronautical engineer, automotive technician, automotive electrician, architectural technician, boat builder, cabinet maker, collision repair technician, civil engineer, industrial designer, joiner, metal worker, tyre technician, welder + many more!

Industries Manufacturing

Aircraft manufacture, marine products, clothing, concrete, dairy, defence force, electronics, food and beverage, glass, machinery and equiptment, mechanical engineering, metal, paint, chemicals & plastics, upholstery, jewellery, transport, medical instrumentation + many more!

Industries Technology

Aeronautical & automotive engineering, green technologies, computer-aided design, electro-technology, information and communications technology, nanotechnology, robotics, software + many more!

Manufacturing & Technology

For further careers information visit

youthhuarantee.net.nz
careers.govt.nz

Your son or daughter has expressed an interest in enrolling in the Waikato Trades Academy.

The Waikato Trades Academy (WTA) is a secondary-tertiary partnership between secondary schools and Wintec. The objective is to assist students in gaining industry relevant experience and credits within a Vocational Pathway that interests them, while still studying at secondary school.

Students enrolled in the WTA must still attend secondary school and keep up with their normal school work. The unit standards achieved at the WTA will count towards NCEA Level 1, 2 or 3.

The Manufacturing and Technology Vocation Pathway is about producing things and making them work. Its hands-on, project based and great for people who enjoy technology. The manufacturing side covers putting products together, servicing, shipping, and purchasing and quality control; all of the processes needed to turn out finished products. The technology side applies innovation and creative ideas and knowledge to manufacturing. This pathway will use maths and science to solve problems.

Certificate in Educational Achievement in Mechanical Engineering (Level 3)

- NCEA Level: Level 3
- Number of Credits: 32
- Duration of Programme: February to November with the option to re-enrol for level 3 towards the end of the year
- Programme Structure: 1 day per week starting mid February (8:30am – 3:00pm) during the school term
- Location: Depending on your closest location, it will be one of the following:
  *Wintec Rotokauri Campus, Hamilton (51 Akoranga Rd)
  *Wintec Kopu Workshop, Thames (25 Kopu Road)
- Cost: Free to the student
- Transport: To be arranged with your school. No extra charges should apply
- Contacts: Your contact during enrolment is your secondary school.

  Your school's key WTA contact will discuss your enrolment, collect your enrolment form and birth certificate, and arrange your transport to Wintec. Once your enrolment is confirmed you will receive a confirmation letter from your school outlining your start date, procedures for absences, and contact details for your Student Advisor at WTA.
- Level 3 Entry Criteria: To move on to level 3 you will need to have completed 80% of the available credits in level 2, along with 80% or higher attendance across all points of the year.

Manufacturing & Technology

For further information about WTA visit
wintec.ac.nz/WTA

Unit standard	Title	Level	Credits
2401	Safely shut down and isolate machines and equipment	3	3
2683	Cut metals using manual thermal processes	3	4
21912	Apply safe working practices on an engineering worksite	2	2
25783	Demonstrate knowledge of metal cutting and gouging processes	3	2
21907	Demonstrate and apply knowledge of safe welding procedures under supervision	2	3
20917	Demonstrate basic knowledge of engineering metals	2	2
20799	Demonstrate knowledge of common engineering metals	3	4
22906	Demonstrate and apply knowledge of welding low carbon steel	3	3
22907	Demonstrate and apply knowledge of welding aluminium and stainless steel	3	3
29652	Demonstrate knowledge of safety, health, risk assessment and hazard I.D on an engineering worksite	3	3
29674	Demonstrate knowledge of mechanical fasteners used in mechanical engineering	2	3

Total credits | L2 = 10 | L3 = 22