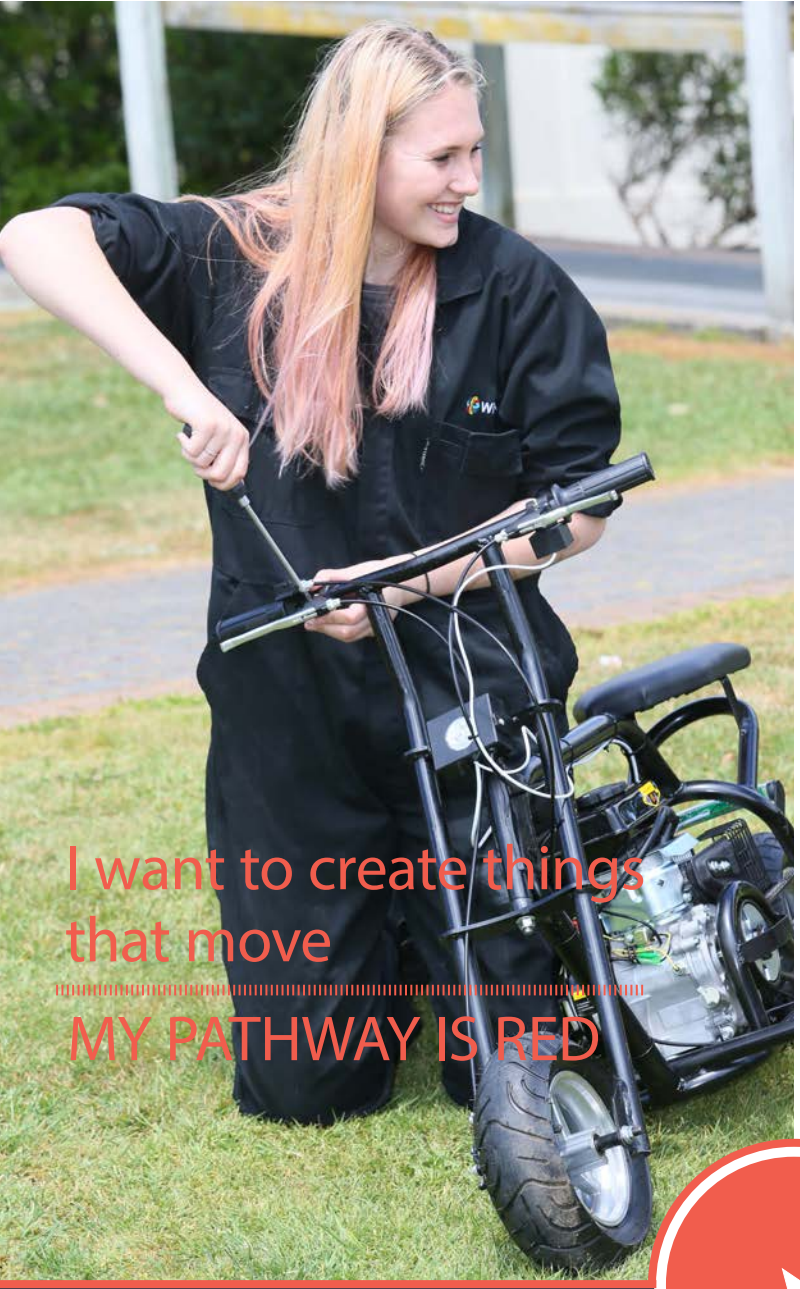


Wintec | WAIKATO TRADES ACADEMY

I want to create things that move

MY PATHWAY IS RED

Longveld Girls in Engineering

Manufacturing & Technology

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

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!

Typical Employers

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

For further careers information visit

youthguarantee.net.nz
careers.govt.nz

Your daughter has expressed an interest in enrolling in the Waikato Trades Academy (WTA). The WTA is a secondary-tertiary partnership between secondary schools and Wintec. The objective is that students will gain 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.

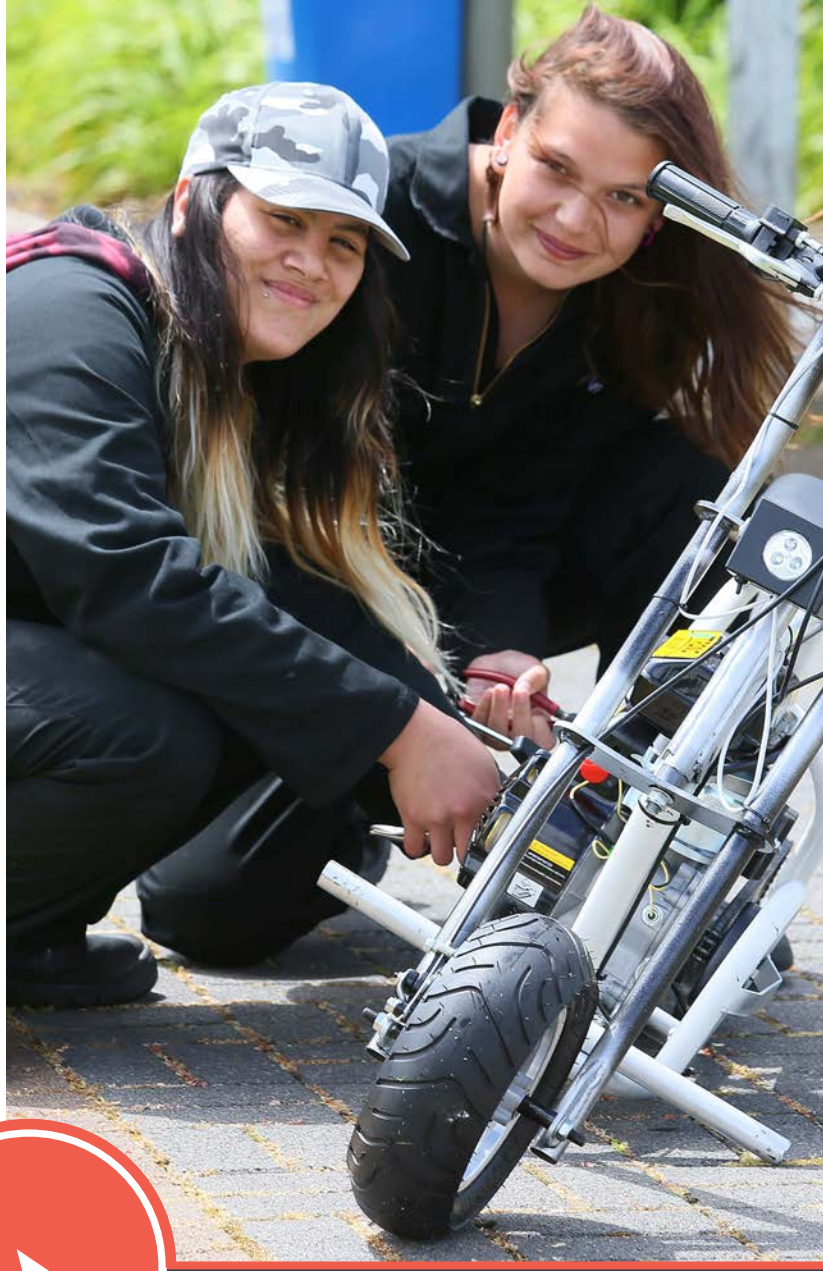
Wintec have teamed up with Hamilton-based manufacturer Longveld to offer a unique training course specifically for young women. Our Longveld Girls in Engineering programme sees young women at year 11, 12 attend WTA one day a week, where they are workshop based and will train in fabrication and engineering. As part of this programme, students will spend up to 3 days gaining on-the-job and industry-relevant experience at Longveld, where they will work alongside staff to put their skills into practice.

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.

Introduction to Manufacturing and Technology Level 2

Programme Modules: Mechanical Engineering, Electrical Engineering and Automotive Engineering

- NCEA Level: Level 2
- Number of Credits: 37
- 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: Wintec Rotokauri Campus, Hamilton
- 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 support person 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. At this stage you will join our WTA co-ed classes.



Longveld Girls in Engineering
Manufacturing & Technology

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

Unit Standard	Title	Level	Credits
18243	Construct a simple electronic product from a supplied circuit schematic	2	6
00229	Locations and functions of systems	2	4
15849	Perform manual soldering and de-soldering procedures for electrotechnology work	2	2
21707	Demonstrate knowledge of automotive electrical principles	2	6
02395	Demonstrate and apply knowledge of the selection, use, and care of engineering hand	2	4
04433	Select, use, and care for simple measuring devices used in engineering	1	2
21911	Demonstrate knowledge of safety on engineering worksites	2	2
21679	Demonstrate knowledge of interchanging and balancing road wheels in the motor	2	2
21722	Balance wheels off a vehicle in the motor industry	2	2
21869	Remove and replace road wheels on a vehicle	1	1
21718	Demonstrate knowledge of hazardous materials used in the motor industry	2	2
21671	Carry out general engineering tasks in the motor industry	2	4

Total Credits | L1 = 3 | L2 = 34