



Your son/daughter has expressed an interest in enrolling in the Waikato Trades Academy for 2017.

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. (Refer to table on reverse).

The Manufacturing and Technology Vocation Pathway is hands-on, project based and great for individuals who enjoy technology. Manufacturing covers servicing, shipping, 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 uses maths and science to solve problems.

### Introduction to Manufacturing and Technology Level 2 (Year One at WTA)

Vocational Pathway: Manufacturing and Technology

Programme Modules: Mechanical Engineering, Electrical Engineering and Automotive Engineering

NCEA Level: Level 2 (Level 3 in year 2)

Number of Credits: 37

Duration of Programme: February to November with the option to re-enrol for a second year in August 2017 – refer Year Two entry criteria on reverse

Programme Structure: 1 day per week (8:30am – 3:00pm) during the school term. This may also include a 2-5 day block course sometime during the year

Location: Depending on your closest location, it will be one of the following:

- Wintec Rotokauri Campus, 51 Akoranga Rd, Hamilton
- Kopu Workshop, Thames (25 Kopu Road)

Cost: Free to the student

Transport: To be arranged with your school and covered by WTA (*if applicable*)

Enrolment Process: Your school's WTA key contact will discuss your enrolment and transport requirements, collect your Enrolment Form and **\*Birth Certificate**.

**\*You MUST supply a verified copy of your Birth Certificate when completing an enrolment form (your school principal can verify this).**

Upon acceptance into the programme, you will receive an induction flyer from your school (in December) outlining your start date, procedures for absences and contact details of your WTA support person.



Unit Standard	Title	Level	Credits
18243	Construct a simple electronic product from a supplied circuit schematic	2	6
229B	Identify the general locations and functions of motor vehicle systems and main components	2	4
15849	Perform manual soldering and de-soldering procedures for electrotechnology work	2	2
21707	Demonstrate knowledge of automotive electrical principles	2	6
2395B	Select, use and care for engineering hand tools	2	4
4433	Select, use and care for simply measuring devices in engineering	1	2
21911	Demonstrate knowledge of safety on engineering worksite	2	2
21679	Demonstrate knowledge of interchanging and balancing road wheels in the motor industry	2	2
21722	Balance wheels off a vehicle in the motor industry.	2	2
21869	Remove and replace road wheels in the motor industry	1	1
21718	Demonstrate knowledge of hazardous materials used in the motor industry	2	2
21671B	Carry out general engineering tasks in the motor industry	2	4

**Year Two Entry Criteria:** To move on to year two, you must achieve 80% of the available credits in year one.