



Wintec

WAIKATO

TRADES ACADEMY

Decision Form

Please read the attached information prior to completing this form. It will need to be returned to school by Friday 4th September with your Wintec 'Returning Student form'.

Re-enrolment for 2016

We need to know which of the following specialisations your son/daughter is intending to study with us next year. This will allow us to commence planning with their secondary school. Preference will be given to students with the highest numbers of completed credits from year one.

Please select your preferred specialisation (number 1 and 2 in order of interest)

☐

Building & Construction

☐

Electrical Engineering

☐

Architectural Design

Student Name:

**Parent / Primary
Caregiver signature:**

Comments; (why should you get a place within your 1st choice?)



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Re-enrolment at the Waikato Trades Academy: Year Two

Your son/daughter has been given the opportunity to re-enrol at the Waikato Trades Academy for a second year. The purpose of this letter is for them to **select a programme for next year**. We hope students will discuss their options with family/whanau/school prior to completing these forms.

Forms must be returned to school prior to **Friday 4th September.**

Overview of Construction and Infrastructure

Construction covers building from the ground up and infrastructure includes planning, designing, building, repairing and laying utilities for the community including services below ground (sewage, broadband) and above the ground (roads, dams, electricity, drainage).

Overview of WTA Year 1

In year one of a two year programme: students experienced carpentry, plumbing & drain-laying and electrical engineering. They also had the potential to achieve 34 Level 2 credits toward their NCEA Level 2 at school, in the Construction and Infrastructure Vocational Pathway.

Where to from here

At the successful completion of this year, students have the opportunity to specialise in one of the following areas (details of each of these programmes are listed below) while achieving credits towards NCEA Level 2 and 3 at school:

- **Building & Construction**
- **Electrical Engineering**
- **Architectural Design**



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Important Notes

- In order to re-enrol; students must return the following forms via their school prior to 4th September:
 - Complete and sign the attached 'Decision Form'
 - Update all contact details and sign the attached Wintec 'Returning Student Form'
- This is an application for enrolment only and acceptance is not guaranteed. Once your enrolment is accepted, you will receive a letter of confirmation from Wintec outlining the dates and information for your programme in 2016.
- As part of a Secondary Tertiary Partnership programme (STP), students must stay enrolled at school throughout the year to attend the academy, and be committed to attending and completing all class work at both school and Wintec.
- All students re-enrolling must have achieved formal numeracy and literacy level 1 (20 credits) requirement in either achievement or unit standard. If this requirement is not met, entry may be granted at the discretion of the secondary school and the Youth Pathways Delivery Manager (please discuss with your school first if you fit into this criteria).
- It is expected candidates will not yet have achieved the National Certificate in Educational Achievement Level 3 (NCEA L3) and are currently working towards achieving this qualification.
- The WTA Student Code of Conduct and Equipment Agreement that you and your son/daughter signed at the beginning of year one will continue to apply in year two; please contact us if you would like another copy.
- Where applicable, transport will be funded by the WTA through the Ministry of Education. This is coordinated by the WTA and your secondary school (please discuss with your school, should you have any queries about transport).
- All classes will be held at Wintec's Rotokauri Campus from 8.30am – 3.00pm on your Wintec nominated day of the week (this will be confirmed at the time of acceptance).
- Your point of contact during this re-enrolment process is your school's Career Advisor. Please direct any queries you may have including returning your forms, to them.
- Please visit our website for further information www.wintec.ac.nz/wta and www.youthguarantee.net.nz

**Wintec****WAIKATO TRADES ACADEMY****WTA Programme Selection Schedules 2016****Building and Construction (Year Two at WTA)**

The construction industry will lead you to a wide range of possible occupations – it includes all aspects of constructing and maintaining buildings. This course has an emphasis on practical content, and is based around the construction of a sleep-out building. Theory content is directly related to the practical projects at each stage of construction, so your learning has real relevance. Upon completion of the programme you should be ready to take on an apprenticeship or employment within the construction industry, and/or complete the National Certificate in Carpentry Level 4 at Wintec.

Vocational Pathway: *Construction and Infrastructure*

NCEA Level: 3

Number of Credits: *28 credits towards the National Certificate in Carpentry Level 4 with 4 electrical credits*

Programme Structure: *This course will run 1 day per week starting early February and during the school term only.*

Duration of Programme: 32 days

Unit Standard	Title	Level	Credits
12998	Demonstrate knowledge of carpentry hand tools.	3	4
12999	Knowledge of timber machining equipment.	3	3
13037	Safely use and maintain carpentry hand tools onsite.	3	6
13038	Safely use and maintain bench saws.	3	2
24378	Perform building calculations.	3	4
24381	Knowledge of floor framing and flooring construction.	3	3
24401	Install thermal insulation materials in buildings.	3	1
13032	Non-mechanical and mechanical construction equipment.	3	1
016407	Use and maintain hand and power tools for electrical work.	3	4



Electrical Engineering (Year Two at WTA)

As an Electrical Engineer you could be installing, maintaining and repairing electrical wiring and equipment, developing and designing electrical systems, designing methods to generate and distribute electricity, or repairing and replacing appliances. These are specialised skills and when they are supported by an industry respected qualification, they open the door to a world of opportunity. In this course you will learn the principles of electricity, magnetism, mathematics and mechanics as well as practical skills including testing, soldering and cable installation. Upon completion of the programme you should be ready to take on an apprenticeship or employment within the electrical industry and/or start a higher level Electrical Engineering qualification at Wintec.

Vocational Pathway: *Construction and Infrastructure*

Qualification Outcome: *National Certificate in Electrical Engineering Level 2*

Note: to complete your National Certificate, you must also achieve unit 6401 and 6402 (First Aid) at school and provide WTA with a copy of the completed First Aid certificate

NCEA Level: 2

Number of Credits: *42 credits (including 37 sector related credits)*

Programme Structure: *This course will run 1 day per week starting early February and during the school term only.*

Duration of Programme: *32 days*

Unit Standard	Title	Level	Credits
1978	Employment Rights.	1	2
750	Electrical Test Instruments.	2	2
15844	Flexible Cords.	2	3
15845	Simple Electrical Diagrams.	2	4
15846	Capacitors and Semi-Conductor Diodes.	2	3
15847	Mathematics and Mechanics.	2	4
15848	Portable Appliances.	2	2
15849	Soldering.	2	2
15851	Electrical Safety.	2	3
15852	Electrical Sub-Circuits.	2	2
25070	Conductors, insulators and semi-conductors.	2	7
25071	Electromotive force.	2	3
25072	Electromagnetism theory.	2	5



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Architectural Design (Year Two at WTA)

In this programme students will gain skills and knowledge in the use of CAD (Computer Aided Design) and learn how it can be applied to the technical fields of construction: carpentry, plumbing, cabinet making, joinery, engineering, electrical, etc. Students will be given a design brief from their 'client', which they will use to design a kitchen and a bathroom. This programme will encourage students to use problem solving to come up with innovative solutions to meet the requirements of the design brief. Upon completion of the programme you should be ready to take on an apprenticeship or employment and/or start a higher lever architecture qualification at Wintec.

Vocational Pathway: *Construction and Infrastructure*

NCEA Level: 3

Number of Credits: *34 credits*

Programme Structure: *This course will run 1 day per week starting early February and during the school term only.*

Duration of Programme: *32 days*

Unit Standard	Title	Level	Credits
25210	DKO space planning and kitchen appliances for use in a kitchen design.	2	8
24362	Knowledge of working drawings and specifications for building work.	3	3
26934	Solve kitchen or bathroom design problems.	3	12
26946	DKO impact of design principles and elements on kitchen or bathroom designs.	4	5
27274	Apply knowledge of the impact of building construction on a kitchen or bathroom design.	4	6