

# WAIKATO

TRAIN WHILE YOU'RE STILL AT SCHOOL

# TRADES ACADEMY



Cambridge High School

Huntly College

Ngaruawahia High School

Fairfield College

Hillcrest High School

Hamilton Girls' High School

Melville High School

Te Kauwhata College

Hamilton's Fraser High School

Te Awamutu College

Matamata College

Morrinsville College

A young man wearing a blue jumpsuit and a blue and red baseball cap is kneeling in a workshop. He is focused on working on a car engine that is mounted on a blue metal stand. He is holding a red component of the engine with both hands. The background is a blurred workshop environment with wooden walls and various tools.

WTA

While others sit and  
talk, you get up and do.

**MAKE SENSE?**

Then so will a place in the  
Waikato Trades Academy.

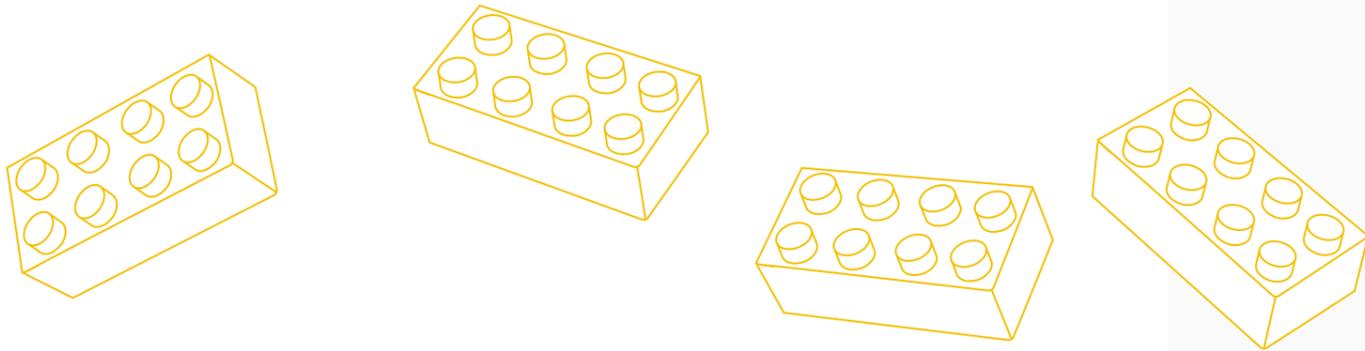
# ACADEMY OPPORTUNITY

**A Trades Academy here in the Waikato. It's never been done before. It's new, different and exciting. It's the result of some clever thinking by a selected number of schools, a range of local employers and Wintec.**

**What it's going to do for you, if you're lucky enough to get in, is give you a brilliant head start to getting a career while you're still at school. Best of all, if you're accepted into the Academy programme, it won't cost you or your parents, a cent!**

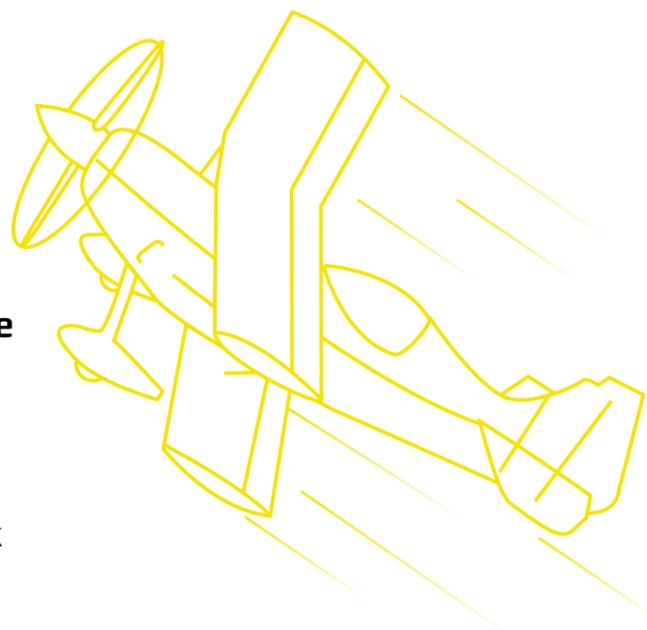
## THIS COULD BE EXACTLY WHAT YOU'VE BEEN LOOKING FOR

If you love the thought of taking vehicles apart, working on machinery and repairing electrical stuff, your career options are suddenly looking a lot brighter. And if you've ever sat in the classroom and wondered why you need to know all that English and Math, you'll discover when you put those skills to work, they make a lot more sense. That's one of the big advantages of starting your tertiary education while still studying at school – you get the benefits of both worlds.



## THE SKY'S THE LIMIT

**There are many benefits of working in the Trades, as some of New Zealand's most successful senior managers who started their careers in the Trades will tell you! As a qualified tradesperson you can work not just anywhere in New Zealand, but anywhere in the world. You can own your own business and your earning potential? Well, let's just say the sky's the limit.**



## HERE'S HOW IT WORKS

You need to be in Year 10 at one of the following schools to apply for a place in the Waikato Trades Academy starting in Year 11. If selected you'll continue your studies at school toward your NCEA qualifications but three times during the year, you'll attend Wintec for a two-week session training for your chosen Trades qualification.

You will be studying towards your Trades qualification over 3 years (Years 11-13) attending block courses at Wintec. The unit standard credits that you earn while studying your Trades qualification count towards your NCEA. Studying in this dual environment gives you a real head start as you have the opportunity of achieving NCEA Level 2 and 3 at school, as well as a Trades qualification at Wintec.

You'll have all your mates from school and be able to take part in school sports and activities, while at the same time learn new skills in the very hands-on workshops at Wintec and in real-world training with a local business.

## WAIKATO TRADES ACADEMY PARTNER SCHOOLS

- Cambridge High School
- Huntly College
- Ngaruawahia High School
- Fairfield College
- Hillcrest High School
- Hamilton Girls' High School
- Melville High School
- Te Kauwhata College
- Te Awamutu College
- Matamata College
- Morrinsville College
- Hamilton's Fraser High School

## HAVE YOU GOT WHAT IT TAKES?

The Waikato Trades Academy has places for just 48 students. So getting in isn't going to be easy but if selected, it will be so worth it! Once you're in, everybody will be doing everything possible to help you succeed.

You'll get your own learning plan, work experience will be organised for you, you'll have a student mentor and a range of support services to help you at Wintec, transport will be laid on, and you'll even be supplied with overalls, workboots and backpack.

But if you think the Academy could be a chance to slack off, forget it! Your school and Wintec will be checking on all aspects of your learning, including your workplace skills, your attendance, attitude and presentation.



# WIIFY? WHAT'S IN IT FOR YOU? THE SHORT ANSWER IS HEAPS

You'll have a qualification and the skills that employers want as well as showing them you're not scared of a bit of hard work. You'll have found out stuff about yourself, mixed with different people, made new friends, got through NCEA, seen what it's like at Wintec, met potential employers and hopefully made you and your parents proud.



In your first year the programme allows you to experience all three industries before going into your chosen field. If at the end of your first year you find that the qualification you nominated is not the right one for you, there may be an opportunity to swap. This will be dependent upon how well you have done in that area, your attitude towards the industry and if there is a space available.

As an **ELECTRICAL ENGINEER** you would be installing, maintaining and repairing electrical wiring and equipment, developing and designing electrical systems, designing methods to generate and distribute electricity, repairing and replacing appliances. These are specialised skills and when they're supported by an industry respected qualification, they open the door to a world of opportunity.

Some people describe **MECHANICAL ENGINEERING** as the small parts that make up the big picture. Designing and advising on the building and repair of machines and tools, making, joining and repairing metal parts for machinery and equipment; as the person with the skills to keep the machines running, a qualified Mechanical Engineer is highly sought after in a variety of work environments.

Working in the **MOTOR INDUSTRY** you could be taking vehicles apart, designing electronic equipment, using diagnostics to locate electrical faults, working on heavy equipment, tuning racing cars, repairing damaged vehicles, dismantling engines, fitting tyres, ordering parts, working as a salesperson in a car showroom... there are just so many career options open to you in this field.



## WHAT ARE YOUR OPTIONS?

At the Waikato Trades Academy you can apply to study for one of the following qualifications:

- National Certificate in Electrical Engineering (Level 2)
- National Certificate in Mechanical Engineering (Level 2)
- National Certificate in Motor Industry (Level 2)



# THE QUALIFICATIONS

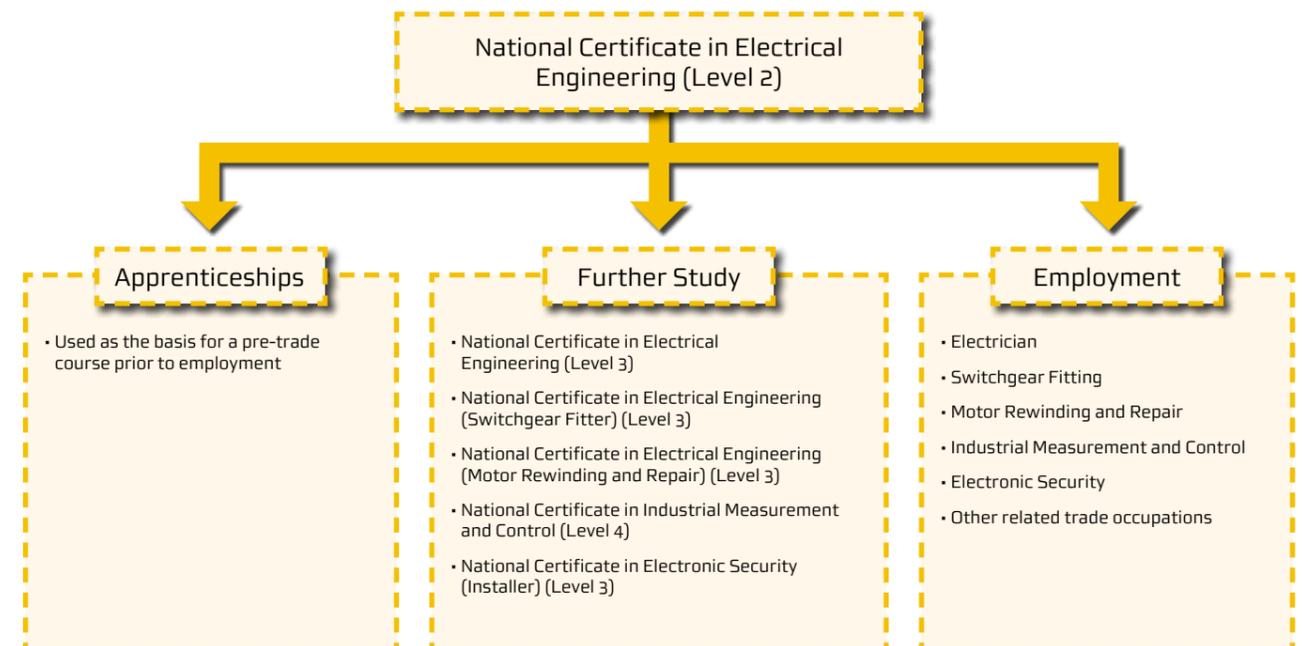
## NATIONAL CERTIFICATE IN ELECTRICAL ENGINEERING (LEVEL 2)

### Overview

The National Certificate in Electrical Engineering (Level 2) is a great start if you want to work or train further in the electrical and related industries. It will give you a basic knowledge of the principles of electricity, magnetism, mathematics and mechanics and teach you some practical skills including testing, soldering and wire installation. The course also covers workplace safety and first aid, employment rights and responsibilities.

This course could lead to a career as an electrician, in switchgear fitting, motor rewinding and repair, industrial measurement and control, electronic security and related trades.

It has credits in common with and can lead to the National Certificate in Electrical Engineering (Level 3). Alternatively it can lead to the National Certificates in Electrical Engineering (Switchgear Fitter) (Level 3); Electrical Engineering (Motor Rewinding and Repair); Industrial Measurement and Control (Level 4); and Electronic Security (Installer) (Level 3).



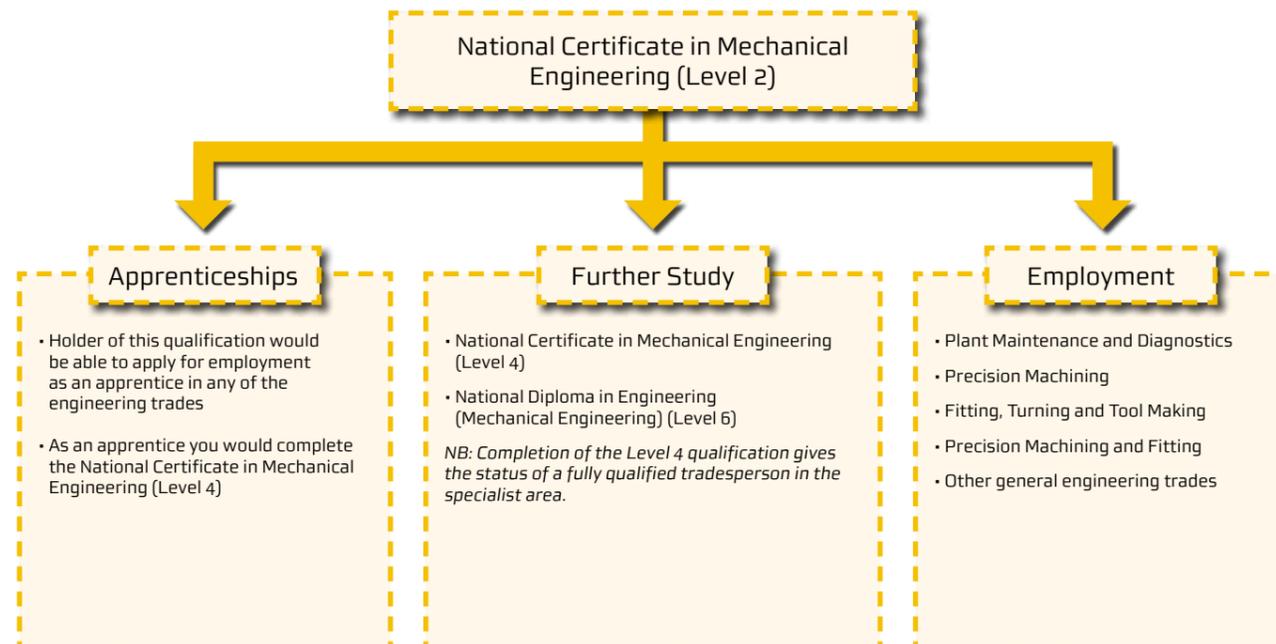
# NATIONAL CERTIFICATE IN MECHANICAL ENGINEERING [LEVEL 2]

## Overview

Complete this qualification and you'll be ready to take on an apprenticeship in Plant Maintenance, Precision Machining, Tool Making, Precision Machining and Fitting and General Engineering trades.

The course covers engineering drawings and calculations, assembling mechanical components, machining fabrication work, using portable hand held engineering power tools, simple measuring and dimensional measuring devices, engineering marking-out equipment and hand tools, welding procedures, safe work practices, emergency, first aid and resuscitation procedures and includes 47 hours of work experience in the engineering industry.

Successfully finish this course and you'll be able to apply for employment as an apprentice in any of the Engineering trades and complete the level 4 National Certificate, which would lead to being a fully qualified tradesperson.



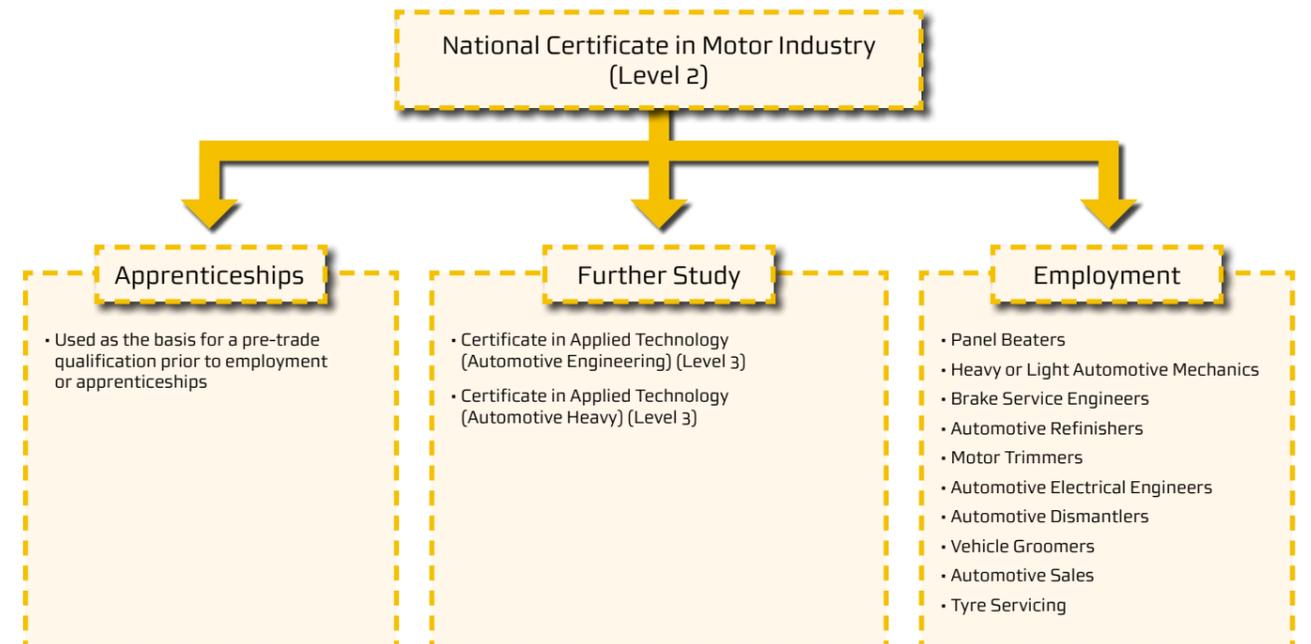
# NATIONAL CERTIFICATE IN MOTOR INDUSTRY [LEVEL 2]

## Overview

The aim of this programme is to provide training at a "pre-trade" level. It will teach you the skills you need to enter the motor industry and be immediately productive, and also well prepared to take on an apprenticeship.

The course covers safe working practices in an automotive workshop, disassembling then reassembling a four cylinder four stroke engine and making sure it works, protection of vehicle electronics, vehicle systems and components, and automotive workshop engineering. It also gives you the choice to further your skills and knowledge in areas of welding, emerging technology in the motor industry, and automotive electrical engineering.

Complete this qualification and you'll be ready for an apprenticeship or to receive further training as a panel beater, heavy and light automotive mechanic, brake service engineer, tyre technician, automotive salesperson, refinisher, motor trimmer, automotive electrical engineer, automotive dismantler, vehicle groomer.



In a fiercely  
competitive  
workplace  
the Academy  
is your edge.



## SUMMARY

- Fee-free tertiary education
- Head start on a trades career while achieving NCEA
- Unit standard credits from the trades qualification count towards NCEA
- More likely to achieve NCEA at higher levels when studying a qualification of interest
- Trade study inspires an understanding and appreciation of core subjects such as English and Math
- Programmes offered are coordinated to make best use of both secondary and tertiary expertise and resources
- Secondary school support, friendships, networks and activities are maintained
- Full access to Wintec's support services including student mentors, counselling, Student Learning Services and Te Kete Kōnae – Wintec's Māori and Pasifika Learning and Support Centre
- Additional expenses such as workboots, overalls and a back pack provided by Wintec
- Individual Learning Plans for each student that will monitor attendance, provide workplace skills, and add life skills i.e. problem solving, self-management, team building, time management, personal presentation and self-esteem
- Graduate 'work-ready' with relevant skills and qualifications

## HOW TO APPLY

Speak to your school's Careers Advisor or Year 10 Dean on how to be included in the nominations.

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Te Kuratini o Waikato