

Automotive Engineering

If you enjoy
working on cars and
problem-solving
then Automotive
Engineering could be
just the career for you.

TOP OF THE
SOUTH
TRADES
ACADEMY



Head to our website
tradesacademy.ac.nz
to read the personal
accounts of our past
graduates and
students.

“I enjoy the hands-on style of learning
where we get to operate machinery in a
safe and controlled learning way.”

TRADES ACADEMY STUDENT



This programme will give you a real taste for the industry. You'll spend your time getting your hands dirty in Te Pūkenga NMIT's automotive workshops learning how cars and engines work and finding out about fault-finding and what automotive engineers do in their jobs. You'll have the opportunity to pull apart and reassemble car engines, change tyres and balance wheels, while learning about the location and function of vehicle systems and components.

Give it a go and see if Automotive Engineering is for you!

On completion of this course you will be able to:

- Identify emergency procedures in the motor and related industries.
- Identify the general locations and functions of motor vehicle systems and main components.
- Demonstrate knowledge of petrol and diesel engines.
- Disassemble and reassemble a single cylinder or multi-cylinder four stroke engine under supervision.
- Demonstrate knowledge of interchanging and balancing road wheels in the motor industry.
- Remove, replace, balance road wheels and replace vehicle lamps.

Note: Some unit standards may change. Final information on the standards specific to your course will be available prior to starting your programme.

► For more information on what you will learn and the credits you can achieve in this programme, go to the Trades Academy website and follow the course information links.

TRAINING PATHWAYS

TRADES ACADEMY TRAINING

Industry Employment/
Apprenticeships and ITO Training

Tertiary Pre-Employment Training
at Te Pūkenga NMIT in Level 3
Automotive Engineering

University Studies:

- Engineering
- Energy and Fuel Research

EMPLOYMENT OPPORTUNITIES

- Small Engine Mechanic
- Vehicle Groomer or Sales
- Automotive Dismantler
- Automotive Electrician
- Motorcycle Mechanic
- Brake Service Technician
- Powerboat Technician
- Fuel Injector Engineer
- Wheel Alignment Technician
- Hydraulic Engineer
- Marine Engineer
- Automotive Engineering (light, heavy, diesel, marine, road)



NCEA: Level 2 and 3

Refer to the resources page of our website
www.tradesacademy.ac.nz/resources/ for more details



Starts: February 2024



Time: 9am to 2.30pm
Thursday (Marlborough)
or Friday (Nelson)



Location: Te Pūkenga NMIT
Nelson and Marlborough

Note: If circumstances change there could be mixed
models of delivery e.g online, face to face one day per
week or block options.