

NZQA APPROVED PROGRAMME

NEW ZEALAND CERTIFICATE IN

Fluid Power Engineering

FUNDAMENTALS

LEVEL 3

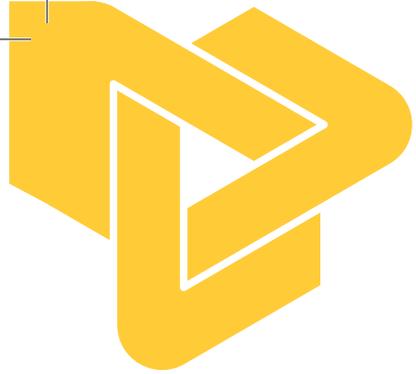


Phone 0800 692 869

Email info@atnz.org.nz

atnz.org.nz





Fluid Power involves using hydraulic and/or pneumatic systems to transmit energy via pressurised fluids, enabling efficient mechanical operations in various industries.

This programme aims to equip individuals with the necessary knowledge, understanding, and practical skills to work as Fluid Power Technicians. Upon completion of the programme, graduates will have the capability to perform a defined range of fundamental Fluid Power tasks with limited supervision.

This qualification is intended for people working or wanting to work in the Fluid Power or Mechanical Engineering industry.

Graduate Outcomes

Upon completion of this programme, graduates will possess the following skills:

- Apply their knowledge of health and safety, workplace policies and procedures, risk assessment, and safety culture to perform general engineering and Fluid Power engineering tasks safely.
- Conduct basic trade calculations to carry out Fluid Power engineering tasks.
- Select and maintain hand and portable power tools, applying their knowledge to perform general engineering and Fluid Power engineering tasks.
- Apply their understanding of Fluid Power components, symbols, basic circuit diagrams, hazards, filtration, and principles to perform Fluid Power engineering tasks.
- Perform basic maintenance of Fluid Power systems, including removal and replacement of parts.

Employment Outcomes

Graduates of this qualification will have the skills and knowledge to work under supervision as entry-level Fluid Power technicians in various areas of specialisation.

Education Pathways

This programme may lead to qualifications in mechanical engineering, such as the New Zealand Certificate in Mechanical Engineering (Trade) (Level 4) with strands in Fitting and Machining, General Engineering, Machining, Maintenance Engineering, Metal Forming, and Toolmaking [Ref: 2714].

This programme may also lead to further higher-level qualifications in trades and management.

Entry Requirements

- New Zealand Citizen or Permanent Resident.
- At least 16 years of age (unless early leaving exemption (ELX) has been granted).
- Be employed in a relevant role in the Fluid Power or Mechanical Engineering sector.

Details

Qualification	New Zealand Certificate in Fluid Power Engineering Fundamentals
Level	3
Credits	95
Programme Length	65 Weeks
Study Type	Workplace Based/ Online/Self Study
Starting Time	Any Time
Location	NZ Wide
Approved By	NZQA

