

Just the Job Information Sheet

Job title

Heating, Ventilation and Air Conditioning tradesperson

Job description

Heating, ventilation and air-conditioning engineers fulfil a wide range of functions, from designing new systems to repairing old ones. Tasks include supervising the installation, repair and replacement of systems, designing new heating and cooling systems, and selecting and sizing the necessary equipment – in a variety of settings such as universities, businesses and shopping malls. It's not all hands on work though, with other tasks including calculating how much the work will cost, preparing the drawings and instructions for building systems, and helping set safety standards and ensure they are met.

Attributes:

- Mechanical reasoning / problem solving
- Accurate, with an eye for detail
- Organised, with good project-management skills
- Practical aptitude
- Team player
- Physically fit

Qualifications required

There are no mandatory qualifications required to begin an HVAC apprenticeship, although a number of qualities are taken into consideration. Completion of NCEA Level 1-2 in Maths and Science is preferred for those seeking an apprenticeship, as well as any interest in technology or mechanical engineering.

General requirements

A good grounding in English and communication skills is necessary, as is a willingness to invest personal time into learning and study. Any experience with electrical work, working with tools, engineering or building construction industries or refrigeration work is considered useful.

Training costs

Under the ATNZ model the apprentices have minimal training costs – apprentices earn as they learn.

Career path

After becoming qualified to Level Four, Level Five is available. Additional education is open for those wishing to pursue further academic qualifications through Level 6 Engineering Diplomas and Engineering Degrees. Career

pathways can lead into self-employment and own business opportunities.

Salary range

Earn while you learn. After becoming qualified, a tradesperson can begin on \$45 000 plus. There is no limitation to the range, as it depends on the industry, person's capacity and capability. Demand means prospects in the industry are excellent.

How to increase the chances of successfully entering this industry

- Good schooling reports and exam results
- Practical school subjects, e.g. Metalwork
- Mechanical engineering hobbies/interests