



LIVE YOUR PASSION

**What does it take
to become an
AirConditioning
and Refrigeration
Technician?**



Airconditioning and Refrigeration Technicians install, service and maintain refrigeration and airconditioning systems.

They advise clients on different refrigeration and airconditioning systems. They assemble and install pipe work for refrigeration and airconditioning systems and install or oversee the installation of such systems. Airconditioning and Refrigeration Technicians also check existing refrigeration and airconditioning systems for leaks and faults and do repair and maintenance work when required.

Skills and Knowledge

Airconditioning and Refrigeration Technicians need to have knowledge of mechanical, electrical and electronic systems, gas systems and atmospheric pressure and temperature systems.

Basic knowledge of physics and chemistry, a thorough understanding of the advantages and disadvantages of various refrigeration and airconditioning systems and skill in interpreting building plans and other working drawings are also key requirements.

Training

To qualify as an Airconditioning and Refrigeration Technician, you can enroll at registered training

institutions for a three-year training course, which includes compulsory industry apprenticeship, that will prepare you for a career as a technician capable of designing, installing and servicing many different types of airconditioning and refrigeration systems.

As you progress through the training programme, you will become familiar with the design, installation and service techniques of heating and air conditioning systems in residential and small commercial buildings. As well, you will learn to size, select and maintain equipment for building comfort according to various industry standards.

Working Conditions

Airconditioning and Refrigeration Technicians usually work regular business hours, but may work longer hours, evenings and weekends to get jobs done, or work on call. They work indoors and outdoors, on construction sites, container ships, in commercial buildings and private homes, and vehicles. They work in conditions that can be dusty, dirty, hot or cold. They may also work at heights on ladders and scaffolding or in confined spaces such as ceiling cavities.

Job Prospects

Chances of getting a job as an Airconditioning and Refrigeration

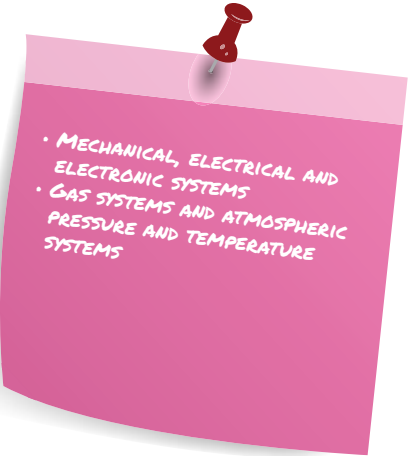
Technicians are good due to the increasing demand for airconditioning and refrigeration systems. Remuneration varies depending on experience and level of responsibility. Technicians may earn more if they work overtime, are on call, or are self-employed.

You too can live your passion and become an Airconditioning and Refrigeration Technician. If you are in excellent physical condition, have an aptitude for mechanical and mathematical work and have good spatial and form perception, manual dexterity, good eyesight and well-developed hand-eye coordination, you are a good candidate.


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- INSTALL, SERVICE AND MAINTAIN
 - REFRIGERATION AND AIRCONDITIONING SYSTEMS

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- REGULAR BUSINESS HOURS (INDOORS AND OUTDOORS)
 - WORK ON CALL

On the contrary, people with technical and vocational skills are much better positioned to create employment for themselves and others. Compare an airconditioning technician graduate with a social work graduate. The technician does not need to land a job to start generating an income. Germany and others grew their economies with highly skilled technical and vocational entrepreneurs. Technical and vocational skills create employment. It prepares young people to become job creators, instead of job seekers.

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- MECHANICAL, ELECTRICAL AND ELECTRONIC SYSTEMS
 - GAS SYSTEMS AND ATMOSPHERIC PRESSURE AND TEMPERATURE SYSTEMS

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- THREE-YEAR TRAINING COURSE, WHICH INCLUDES COMPULSORY INDUSTRY APPRENTICESHIP

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- EXCELLENT PHYSICAL CONDITION
 - MECHANICAL AND MATHEMATICAL
 - APTITUDE SPATIAL PERCEPTION
 - GOOD EYESIGHT
 - HAND-EYE COORDINATION