

# Aeroskills Certificate II Traineeship

## What does an Aerospace Engineer do?

Aerospace Engineers may perform the following tasks:

- plan and design aircraft, aircraft parts and support equipment by preparing drawings and making mathematical calculations, often aided by computer systems
- design modifications to systems such as fuel or air conditioning and outline installation procedures
- conduct tests to measure the performance of an aircraft or part, or to make sure that design specifications and airworthiness requirements are met
- supervise the assembly of airframes and the installation of engines, instruments and other equipment, e.g. when installing extra fuel tanks, decide where the tanks are to be placed and check that the support structure of the aircraft is strong enough to carry the extra weight
- investigate failed engines or other aviation components
- develop procedures for the repair of aviation components
- work out and manage schedules for repairs and maintenance
- assess mechanical systems, flight characteristics and aircraft performance; participate in flight test programs to measure take-off distances, rate of climb, stall speeds, manoeuvrability and landing capacities
- evaluate new and used aircraft and advise the potential purchaser
- if working for the Civil Aviation Safety Authority, make sure of the airworthiness of Australian aircraft by assessing the manufacturer's information and the aircraft's structure, electrical and avionics instruments and power plants.



## What personal attributes might a successful Aerospace Engineer have?

Generally speaking, people working as Aerospace Engineers will be those who:

- enjoy technical and engineering work
- have good analytical and problem-solving abilities
- have good oral and written communication skills
- are practical and creative
- are able to accept responsibility

## How long does it take to complete an Aeroskills Certificate Traineeship?

Generally apprenticeships are a twelve month term with the trainee attending of the job training at TAFE or another training provider for one day per week during the first year. Upon completion of Certificate II trainees can then be employed as an Aeroskills Certificate IV Apprentice, specialising in either Avionics, Structural or Mechanical.

## What is group training and how does it work?

Group Training Organisations such as Novaskill, employ apprentices and trainees in many occupations for the entire duration of their training period. We then lease these apprentices and trainees out to other local businesses. This means that apprentices often get the opportunity to work with different businesses over their four-year training period, resulting in a broader range of skills and the development of strong industry contacts for employment as a tradesperson at the end of the training period.

## How do I apply for employment with NovaSkill?

Watch our website for details—[www.novaskill.com.au](http://www.novaskill.com.au)

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