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1 Giltspur Street  
London  
EC1A 9DD  
T +44 (0)20 7294 2468  
F +44 (0)20 7294 2400  
www.cityandguilds.com

## City & Guilds

600/1575/5 Level 3 NVQ Diploma in Aeronautical Engineering

### OVERVIEW

What does this qualification cover?

It covers a wide range of aeronautical engineering disciplines related to the Aerospace sector. It enables you to demonstrate your occupational competence through the development of hand-skills and gaining of knowledge.

You have the option of selecting one of fourteen pathways which include Aircraft Manufacture Mechanical, Aircraft Manufacture Electrical, Aircraft Surface Finishing, Aircraft Engine Overhaul and Avionic Component Overhaul.

For each you will complete the following mandatory units:

- Complying with Statutory Regulations and Organisational Safety Requirements
- Using and Interpreting Engineering Data and Documentation
- Working Efficiently and Effectively in Engineering.
- Reinstating the Work Area on Completion of Activities

Then dependant upon the overall pathway chosen you will complete a number of optional units which include:

- Cutting and shaping aircraft components
- Installing aircraft mechanical controls
- Producing aircraft composite assemblies
- Installing aircraft main engines
- Testing aircraft fuel systems
- Bonding aircraft composite mouldings



- Who could take this qualification? OR who is this qualification designed for?

It is a work-related, stand alone competence-based qualification suitable for anyone aged over 25. There are no formal entry requirements.

This may suit you if you have been working in related manufacturing industries and are now looking to have your competence within the Aerospace sector recognised.

### WHAT COULD THIS QUALIFICATION LEAD TO?

- Will the qualification lead to employment, and if so, in which job role at which level?

You can be employed in a variety of aerospace engineering job roles including:

- Aircraft Systems Fitter
- Aircraft Systems Development Technician
- Aircraft Maintenance Fitter
- Composite Technician

- Will the qualification support progression to further learning, if so, what to?

You could also progress onto a higher apprenticeship in Aerospace Engineering or other qualifications such as:

Level 4 Diploma in Mechanical Manufacturing Engineering  
Level 4 Diploma in Aeronautical Engineering  
Level 4 Diploma in Electrical and Electronic Engineering  
Level 4 NVQ Extended Diploma in Engineering Manufacture

- If there are larger and/or smaller versions of this qualification at the same Level, why should a learner take this particular one?

You would select this qualification over the Level 3 NVQ Extended Diploma in Aeronautical Engineering if you are aged 25 or over and had previously completed the Level 2 NVQ Diploma in Performing Engineering Operations or had some experience of working in the Engineering sector.

You could progress onto a higher apprenticeship in Aerospace Engineering or other qualifications such as:

Level 4 Diploma in Mechanical Manufacturing Engineering  
Level 4 Diploma in Aeronautical Engineering  
Level 4 Diploma in Electrical and Electronic Engineering  
Level 4 NVQ Extended Diploma in Engineering Manufacture

Who supports this qualification?

It is supported by the British Business and General Aviation association.