

## Aeronautical Engineering (Level 6)

Ayrshire College

### Venues

Ayr Campus

### Content

Delve into the fascinating aspects of aeronautical engineering.

You will: Explore fundamental theories of flight, including aerofoil sections, lift generation, and drag forces; Examine aircraft systems, covering mechanical, fluid, electrical, and avionic components; Learn about electrical technology and how it is applied within the aerospace industry; Study engineering materials, understanding their properties and structural changes; Develop your maths and IT skills within an aeronautical engineering context.

You will gain hands-on experience in sheet metalwork, using aircraft grade materials, documentation, tools, and equipment correctly. Learn essential aviation workshop practices, including Health and Safety, interpreting engineering drawings, and manufacturing or repairing a simple aircraft artifact. Throughout the course, you'll build transferable essential skills such as communication, numeracy, ICT, teamwork, and problem-solving using industry-standard equipment and software.

### Start Date

August

### Qualification

NC

### Study Method

Full time

### Course Length

1 year

### Department

Aeronautical

### Entry Requirements

4 relevant subjects at National 5 including Maths and Physics; or relevant national qualifications at SCQF level 5 plus National 5 Maths; National 5 Applications of Maths will not be accepted.

### SCQF Level

6

## SCQF Points

«SCQFPoints»

## Progression Routes

HNC Aircraft Engineering

## Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

## Address

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Ayr  
KA8 0EU

## Website

www1.ayrshire.ac.uk