

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.

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»

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