Aircraft Engineering

Ayrshire College

Venues

Ayr Campus

Content

Dive into the intricacies of aircraft systems and flight processes through a mix of theory and hands-on experience. Learning in the college's state-of-the-art Aeronautical Engineering Training Centre, taught by industry experts, you may:

Explore modern aircraft construction, materials, and major component construction methods; Investigate aerodynamics, flight mechanics, and the layout of different aircraft types; Delve into aircraft propulsion systems, focusing on piston and gas turbine engines; Learn about pneumatic and hydraulic power within common aircraft systems; Study aircraft avionic systems, covering radio communications, radar, navigation, and automatic flight control; explore physics for aviation, solving engineering problems in solid mechanics, thermofluids, wave motion, and mechanical vibration; Focus on human factors and their impact on performance in an aircraft engineering environment; Learn about aircraft electrical and electronic principles, covering operational amplifiers, combinational logic and DC networks.

You will also have the opportunity to develop proficiency in the industry-standard CATIA V5 design package.

Start Date

August

Qualification

HNC

Study Method

Full time

Course Length

1 year

Department

Aeronautical

Entry Requirements

2 relevant Highers, preferably Maths and Physics, plus National 5 English, or NC Aeronautical Engineering (Level 6), or other relevant national qualifications at SCQF Level 6. Entry subject to interview.

SCQF Level

7

SCQF Points

«SCQFPoints»

Progression Routes

Modern Apprenticeship, or articulated entry to MEng (Hons)/BEng(Hons) Aircraft Engineering at the University of the West of Scotland

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

Dam Park
Ayr
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Website

www1.ayrshire.ac.uk