Mechanical Engineering

Ayrshire College

Venues

Kilmarnock Campus

Content

Dive into a curriculum that balances theory with practicality.

In this course, you may:

Explore basic mechanical engineering principles: including statics and strength of materials, dynamics, and thermofluids; Delve into thermofluids: for engineering systems solutions; Investigate dynamics and motion: solving problems related to linear and angular motion, impulse, conservation of momentum, work, energy, and power; Examine statics and strength of materials in-depth; Study pneumatic and hydraulic systems: their operation, maintenance, and hands-on fluid power circuit design; Engage in engineering design for manufacturing processes: crafting your design solutions; Analyse materials and learn to select the right ones for diverse products; Develop skills in engineering drawings: revision, and documentation control; Master the operation of a commercial CAD system: for 2D engineering drawings.

Start Date

August

Qualification

HNC

Study Method

Full time

Course Length

1 year

Department

Engineering

Entry Requirements

Higher Maths and Physics or Engineering Science, or relevant national qualifications at SCQF Level 6.

SCQF Level

7

SCQF Points

«SCQFPoints»

Progression Routes

Relevant HND course or university degree course, or a Modern Apprenticeship.

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

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