

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

SCQF Points

«SCQFPoints»

Progression Routes

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

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

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