

## Mechatronics

Ayrshire College

### Venues

Kilwinning Campus

### Content

Explore the world of electronics and mechanical engineering with our HNC Mechatronics course. Learn about the design of products and manufacturing processes, and synchronising mechanical structures with electronic control.

The main areas of study include: Mechatronic Systems, Robotics and Animatronics, Interfacing Electronics, Electrical Engineering, Pneumatics and Hydraulics, Applications of PLC (Programmable Logic Controller), CAD for Engineers and Programming.

During your studies, you'll gain hands-on experience - we have recently invested in collaborative robots, PLCs from Siemens, and SMC training rigs to help you learn about all the main areas of automation engineering. Develop skills in analysis, troubleshooting, design, technical documentation, operation, and programming.

### Start Date

August

### Qualification

HNC

### Study Method

Full time

### Course Length

1 year

### Department

Engineering

### Entry Requirements

Higher Maths and Physics, or NC Electrical and Electronic Engineering (Level 6), or other relevant national qualifications at SCQF Level 6. Interview.

### SCQF Level

7

## SCQF Points

«SCQFPoints»

## Progression Routes

Relevant degree course at university or Modern Apprenticeship.

## Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

## Address

Dam Park  
Ayr  
KA8 0EU

## Website

www1.ayrshire.ac.uk