

# Electrical Engineering

Ayrshire College

## Venues

Ayr Campus

## Content

This course builds on HNC Electrical Engineering, developing your existing knowledge and giving you even more of an understanding of electrical engineering to meet the needs of employers.

You will: look at electrical networks and resonance; explore different types of control systems; develop skills in designing electrical installation circuits; look at transmission lines; learn about electrical motor drive systems; develop skills in inspecting and testing Low Voltage electrical installations; look at power electronic devices and transformers; learn about using electrical energy in buildings; look at protection devices within HV systems; study maths for engineering; explore energy as a whole, including energy demand, production and consumption.

## Start Date

August

## Qualification

HND

## Study Method

Full time

## Course Length

1 year

## Department

Engineering

## Entry Requirements

HNC Electrical Engineering. Interview

## SCQF Level

8

## Progression Routes

Progression through established pathways to a 2+2 Degree programme with Glasgow Caledonian University in both Electrical

Power Engineering and Electrical, Electronic and Energy Engineering.

Direct entry to year 3 on attaining a minimum grade B in your engineering project.

## Address

Dam Park  
Ayr  
KA8 0EU

## Website

[www1.ayrshire.ac.uk](http://www1.ayrshire.ac.uk)