Electrical Engineering (Level 6)

Ayrshire College

Venues

Kilmarnock Campus

Content

Scotland has a world-renowned reputation for engineering, and is at the cutting-edge of engineering developments. Engineers design, create, test and improve all sorts of products and processes. They have an impact on every aspect of modern living and enjoy exciting career opportunities in lots of different sectors, including space, aviation, transport, medicine, technology, food, fashion and construction.

Course Content.

Learn electrical principles, from basics to High Voltage (HV) generators; Explore fundamental electrical circuit elements and cable ratings; Understand the dangers of overcurrent in a circuit, including cable current capacity and overcurrent protection devices; Dive into earthing techniques and earth fault current protection; Develop skills in installing PVC sheathed wiring systems and fabricating/installing trunking systems; Master Programmable Logic Controllers (PLCs) and create programs for industrial processes; Gain expertise in using electrical test equipment for safe and accurate measurements; Study maths in an engineering context and enhance IT skills with relevant software packages; Conclude with a comprehensive understanding of health and safety in the construction industry.

Start Date

August

Qualification

NC

Study Method

Full time

Course Length

1 year

Department

Engineering

Entry Requirements

4 subjects at National 5 including Maths or Physics, or SVQ Performing Engineering Operations (Electrical) at SCQF Level 5, or

other relevant national qualifications at SCQF Level 5. Interview.

SCQF Level

6

SCQF Points

«SCQFPoints»

Progression Routes

Relevant HNC or Modern Apprenticeship.

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

Dam Park
Ayr
KA8 0EU

Website

www1.ayrshire.ac.uk