

Electrical Engineering

Ayrshire College

Venues

Ayr Campus
Kilmarnock Campus

Content

Choosing NC Electrical Engineering means choosing a pathway to hands-on experience and valuable skills. Gain practical knowledge and versatile cognitive skills, preparing you for a rewarding career in the ever-evolving field of electrical engineering.

Content includes:

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; and, 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

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Website

www1.ayrshire.ac.uk