

Power Electronics

North East Scotland College

Venues

Off campus

Content

This Unit has been designed to develop candidates' knowledge, understanding and skills in the characteristics and applications of a range of power electronic devices. Candidates will also study how these devices are electrically protected and cooled and will also consider a range of single phase a.c. to d.c. converter and d.c. to d.c. chopper circuits.

On completion of the Unit the candidate should be able to:

Analyse characteristics and applications of power electronic devices; Outline arrangements for protection/dissipation of heat from power electronic devices; Analyse operation and applications of single phase converters; Analyse operation and applications of dc to dc choppers.

Start Date

Flexible

Qualification

Other

Study Method

Distance and Flexible learning

Course Length

6 months

Department

Engineering

Entry Requirements

Candidates should have a general knowledge and understanding of electronics and electrical machines. This may be evidence by possession of the following HN Units: DN46 33 Analogue Electronics: An Introduction and DN4J 34 Electrical Machine

Principles.

SCQF Level

7

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

Address

Gallowgate Centre
Gallowgate
Aberdeen
Aberdeen City
AB25 1BN

Website

www.nescol.ac.uk