

Advanced Apprenticeship in Engineering BTEC NATIONAL CERTIFICATE IN ENGINEERING (Electrical/Electronics)

Level 3

Length 2 Years

Location HRC

Entry Requirements

5 GCSEs at grade C or above (including Mathematics, English, IT and a Science, or BTEC First Diploma with two subjects at Merit Level (one of which to be Applied Maths and Science). You should have already achieved or be working towards, NVQ2 Performing Engineering Operations.

Description

This course is for those who intend to follow a career in Electronic/Electrical Engineering. You will be studying a wide selection of subjects (units) as detailed below.

About the Course

- * The course is made up of 6 Core Units:
- * Business Systems for Technicians
- * Communications for Technicians
- * Engineering Project
- * Mathematics for Technicians
- * Electrical and Electronic Principles
- * Mechanical Principles and Applications

Plus 6 specialist units from the following:

- * Engineering Design
- * Commercial Aspects of Organisations
- * Employing Engineers
- * Selection and Applications of Programmable Logic Controllers
- * Further Mathematics for Engineers
- * Electronic Circuit Manufacture
- * Principles and Applications of Electronic Devices and Circuits
- * Principles and Applications of Analogue Electronics
- * Microprocessor Systems and Applications
- * Electronic Fault-finding
- * Further Electrical Principles

How you are Assessed

Continuous throughout the course in the form of projects, assignments, case studies and coursework and written tests for each mandatory unit.

Progression Routes

You can move on to an HNC/HND, Foundation Degree or Management programme.

Additional Information

Additional information can be obtained at interview.

Key Skills/Functional Skills – you will be expected to achieve these at the appropriate level if you do not have evidence of GCSE Grade C in relevant subjects, obtained within the last 5 years.

Employment rights and responsibilities (ERR): A short, separate assignment is required to evidence the apprentice's understanding of their employment rights and responsibilities.

For a full Apprenticeship you are also required to undertake an appropriate NVQ at level 3