

Unit 2: Engineering Science

Learning hours: 60

NQF level 4: BTEC Higher National – H1

Description of unit

The aim of this unit is to investigate a number of major scientific principles that underpin the design and operation of engineering systems. It is a broad-based unit, covering both mechanical and electrical principles. It is intended to give an overview that will provide the basis for further study in specialist areas of engineering.

Summary of learning outcomes

To achieve this unit a learner must:

- 1 Analyse **static engineering systems**
- 2 Analyse dynamic **engineering systems**
- 3 Apply **DC and AC theory**
- 4 Investigate **information and energy control systems.**