

Unit 11: Digital and Analogue Devices and Circuits

Learning hours: 60

NQF level 4: BTEC Higher Nationals – H1

Description of unit

This unit overlaps with and extends the theory of operational amplifiers contained in the unit *Electronics*. It provides learners with a practical understanding of a range of integrated circuit operational amplifiers and digital logic such as gates, memory devices and counters. They will also learn how to design the power supplies necessary to power such systems.

Summary of learning outcomes

To achieve this unit a learner must:

- 1 Investigate **power supplies for electronic systems**
- 2 Investigate **operational amplifier circuits**
- 3 Investigate **digital electronic circuits**.