

# Unit 10:        **Microprocessor Systems**

**Learning hours:   60**

**NQF level 4:        BTEC Higher Nationals – H1**

---

## **Description of unit**

The aim of this unit is to provide learners with an understanding of microprocessor-based systems and their use in instrumentation/control/communication systems. They will study the practical aspects of device selection and the interfacing of external peripheral devices. The development cycle of specify, design, build, program, test and evaluate will be covered.

## **Summary of learning outcomes**

**To achieve this unit a learner must:**

- 1   Investigate **microprocessor-based systems**
- 2   Produce **software for a microprocessor-based system**
- 3   **Interface** microprocessor-based systems.