

S413 Design and develop information systems

Overview: Design, develop and test information systems to meet organisational and users' needs.

Links: Manage Information; IT; Health, Safety and Security of People, Premises and Property

Specific skills:

- Analysing
- Organising
- Using technology
- Evaluating
- Planning
- Managing resources
- Problem-solving
- Negotiating
- Researching

Performance Indicators

1. Identify the information that will be managed within the system
2. Identify the resources required and available to deliver and implement the system
3. Design a system specification that meets identified needs and budgetary controls
4. Develop an information system that meets the specification
5. Test the information system against the agreed specification

Knowledge & Understanding

- A. The purpose and benefits of managing information to meet specifications
- B. The types of information that need to be managed in a business
- C. The types of information systems available and their main features
- D. The purpose and benefits of identifying and agreeing user needs for an information system and developing specifications based on these
- E. How to develop specifications for information management, including resources and budgets
- F. How to create and develop an information system based on identified user needs
- G. The purpose and benefits of testing information systems
- H. How to test an information system