

Unit 11: Systems Analysis and Design

Unit code:	F/601/7278
QCF Level 3:	BTEC National
Credit value:	10
Guided learning hours:	60

● Aim and purpose

The aim of this unit is to enable learners to gain an understanding of the principles of systems analysis and equip them with the skills to analyse business requirements and design solutions to meet business needs.

● Unit introduction

Systems analysis informs the development of large or small, but often complex, systems and the interactions within those systems. It provides structured processes that help to ensure designs are reliable.

In this unit, learners will gain an understanding of the principles and stages involved in systems analysis and the associated documentation involved in both the analysis and design stages. One key stage involves the determination of requirements and the writing of the requirements specification. Clear statements and understanding of the requirements are essential to ensuring that an appropriate solution is designed. In addition, the specification will provide the basis for later testing and evaluation.

The unit looks at why organisations undertake systems analysis as well as the benefits of carrying out such a formal process. A wide variety of methodologies are used, however they are all based on similar fundamental principles.

Learners will become familiar with a limited number of lifecycle models and the associated terminology involved in the analysis and investigation of a system.

Learners will develop a detailed knowledge and understanding of different methodologies and their benefits and uses in particular situations.

It is expected that learners will undertake an actual systems analysis and design activity. It is not expected, however, that learners will create the system or test it as part of this unit. Other units can be linked to this unit to carry through the design work to the implementation stage.

● Learning outcomes

On completion of this unit a learner should:

- 1 Understand the principles of systems analysis and design
- 2 Be able to carry out a structured analysis of business systems requirements
- 3 Be able to design business systems solutions.

Unit 11 Systems Analysis And Design Edexcel

Jiyuan Zhang



Unit 11 Systems Analysis And Design Edexcel:

Unveiling the Magic of Words: A Review of "**Unit 11 Systems Analysis And Design Edexcel**"

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