bcs Accredited Examination Provider

BCS SYSTEMS DEVELOPMENT ESSENTIALS

Systems Development Essentials is a Practitioner Certificate from the BCS Professional Certifications portfolio (formerly ISEB Certifications). It is also one of an integrated set of courses leading to the widely respected Higher Certificates: the BCS Diploma in Solution Development, and the BCS Diploma in Business Analysis.

Systems Development Essentials is a CORE module of the BCS Solution Development Diploma. It is a PRACTITIONER specialist module of the BCS Business Analysis Diploma.

SYSTEMS DEVELOPMENT ESSENTIALS

This course focuses on the fundamental skills of systems development: systems investigation; systems requirements definition; modelling; planning and quality assurance, which underpin every good systems development. The course explains how systems development work is organised, and distinguishes between several different lifecycle types, methods and approaches, looking at advantages and disadvantages. The chosen approach to expand in detail is the Agile lifecycle.

Course Objectives
This course will enable delegates to:

- Describe several lifecycle approaches to systems development and describe in detail one approach that embraces one or more of these lifecycles
- Identify the techniques, disciplines and tools required for systems development and implementation
- Identify different architectures for systems development solutions
- Investigate and interpret business requirements to produce systems requirements
- Quality assure systems requirements, documentation and models
- Make effective use of different methods of communication
- Prepare for the BCS Certificate in Systems Development Essentials

Who Should Attend
Those who are likely to become involved in business analysis or systems development at any level, including:

- Business Analysts and Systems Analysts
- Developers
- Project Managers and Team Leaders
- Quality Assurance and Quality Control Managers
- Release Managers and Test Managers

Course Duration: 3 days

Course Code: SDE

Detailed Course Content

The Role of the Systems Analyst and Designer
Identify the actors / roles & responsibilities
Characteristics of the systems analyst / designer

Systems Architecture
Different levels of architecture
Inputs at Enterprise, Systems and Infrastructure level
Impacts of design considerations

Development Approaches
Component based, evolutionary/iterative/agile
Bespoke development and software package solutions

Systems Development Lifecycles
Waterfall, V model, Incremental, Spiral
Advantages, disadvantages and selection of an approach

Methods and Approaches
Structure and content of a chosen and representative method
Description and interpretation of representative models
Roles and products within the chosen method

Systems Investigation
Workshops, Prototyping, Interviewing, Questionnaires, Scenario analysis
Functional and non-functional requirements definition
Human aspects of systems investigation & introducing change
Documenting system requirements   *(continued overleaf)*

Pre-requisites, evening study and examinations
There are no pre-requisites for the course. Delegates can take an optional one-hour written examination at the end of the course. Successful candidates are awarded the BCS Certificate in Systems Development Essentials.

Detailed Course Content (continued)

Systems Design, Implementation & Maintenance

Aspects of the production environment

Design principles & constraints (legal, ethical, financial)

Sign off and hand over

Post-implementation reviews

Service Level Agreements

Case Tools

Features

Life-cycle coverage

Requirements traceability

Advantages and disadvantages

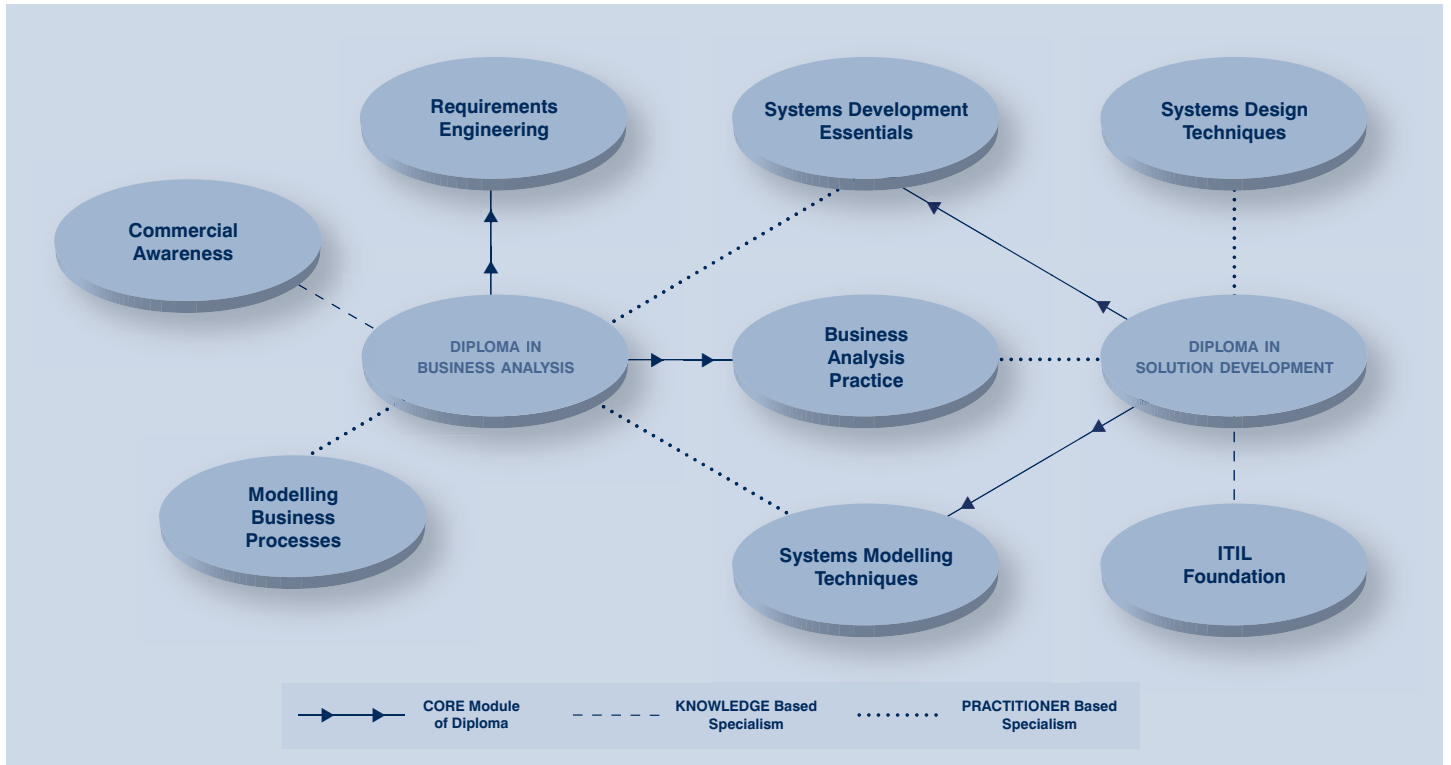### More Information

If you would like to discuss anything further, please email us at **contact@tcc-net.com**

For upcoming dates on our public schedule and prices, please visit our website at **www.tcc-net.com**

If you have four or more people to train and would like this course run in-house, please **call us** for further details.

Related TCC Training Courses

Requirements Engineering

Systems Development Essentials

Systems Design Techniques

Commercial Awareness

DIPLOMA IN BUSINESS ANALYSIS

Business Analysis Practice

DIPLOMA IN SOLUTION DEVELOPMENT

Modelling Business Processes

Systems Modelling Techniques

ITIL Foundation

CORE Module of Diploma — KNOWLEDGE Based Specialism — PRACTITIONER Based Specialism

SDE203

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