



SYSTEMS DEVELOPMENT ESSENTIALS

Systems Development Essentials is one of an integrated set of courses leading to the widely respected British Computer Society Information Systems Examination Board (ISEB) Diploma in Systems Development. It can also lead to the ISEB Diploma in Business Analysis.

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

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 ISEB 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 ISEB 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

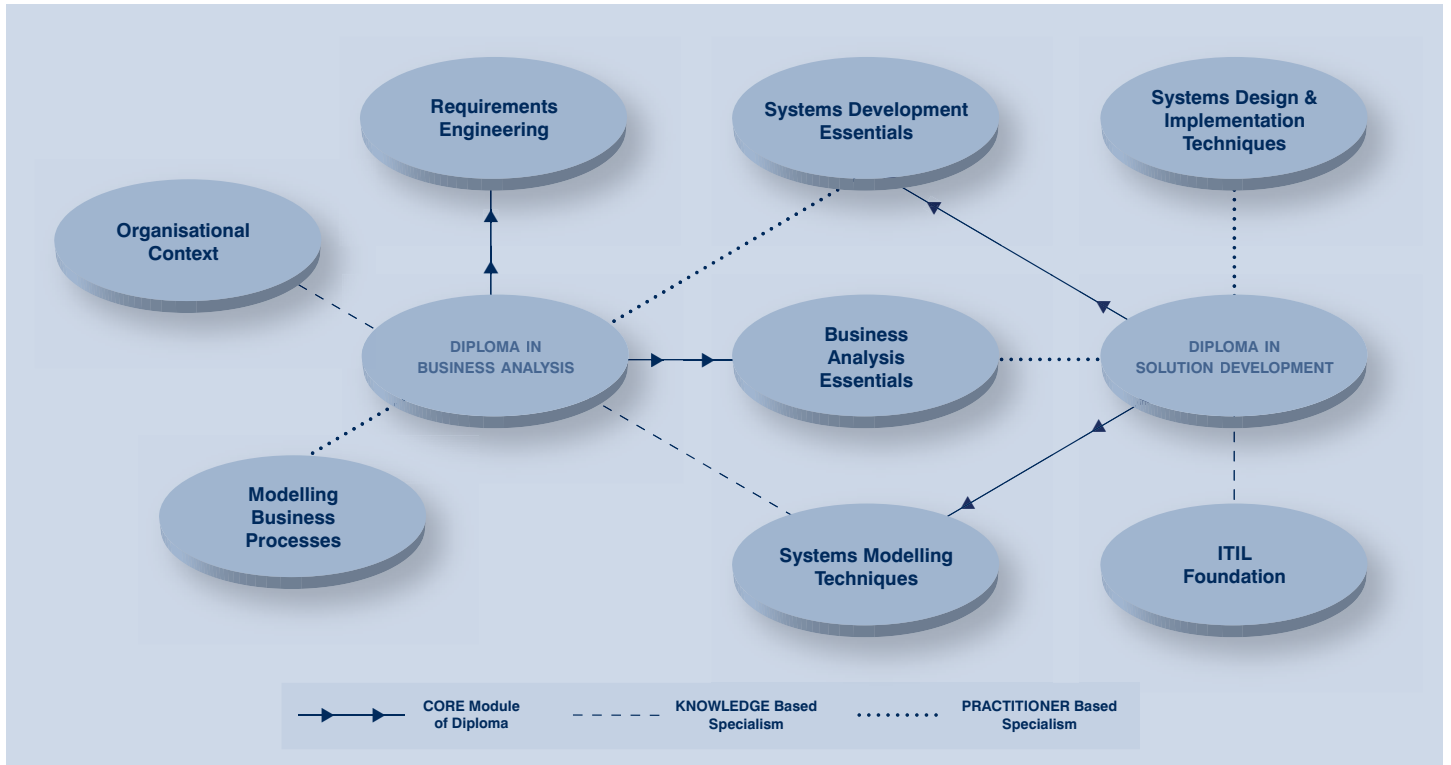
More Information

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



SDE201