TCC
TRAINING AND CONSULTANCY

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bcs Accredited Examination Provider

BCS SYSTEMS MODELLING TECHNIQUES

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

SYSTEMS MODELLING TECHNIQUES

This course is primarily concerned with modelling systems from a variety of perspectives. It requires delegates to construct three main types of model reflecting these individual perspectives and to describe the interactions between them. The method followed for modelling is based on a structured approach. Modelling systems is an aid to the design of robust flexible and maintainable systems, and a communication mechanism for deployment and operational use.

Course Objectives
This course will enable delegates to:
- Justify the need for IT system modelling and modelling techniques
- Explain why it is important to model IT system requirements from different perspectives
- Develop models of system functionality and system data
- Develop a dynamic model
- Evaluate selected models against business objectives and system requirements
- Appreciate how the selected models inter-relate with each other
- Describe how the products of analysis feed into the design and development of a system
- Prepare for the BCS Certificate in Systems Modelling Techniques

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: SMT

Detailed Course Content

Systems Modelling

The need for modelling and modelling standards

Rationale for the selected approach

The approach and a Systems Development Lifecycle

Place of models within the Systems Development Lifecycle

Modelling the IT system from different perspectives

Interaction of the selected models

Validating and verifying models

Systems Modelling in Context

Monitoring analysis against business objectives and system requirements

The bridge to design, software package selection and development

Modelling Functionality

Modelling processes using a Data Flow Diagram

Elementary Process Descriptions

Documenting the processing

Types of Data Flow Diagrams   *(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 Modelling Techniques.

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Detailed Course Content (continued)

Static Modelling

Modelling data using Entity Relationship Diagrams
Supporting documentation
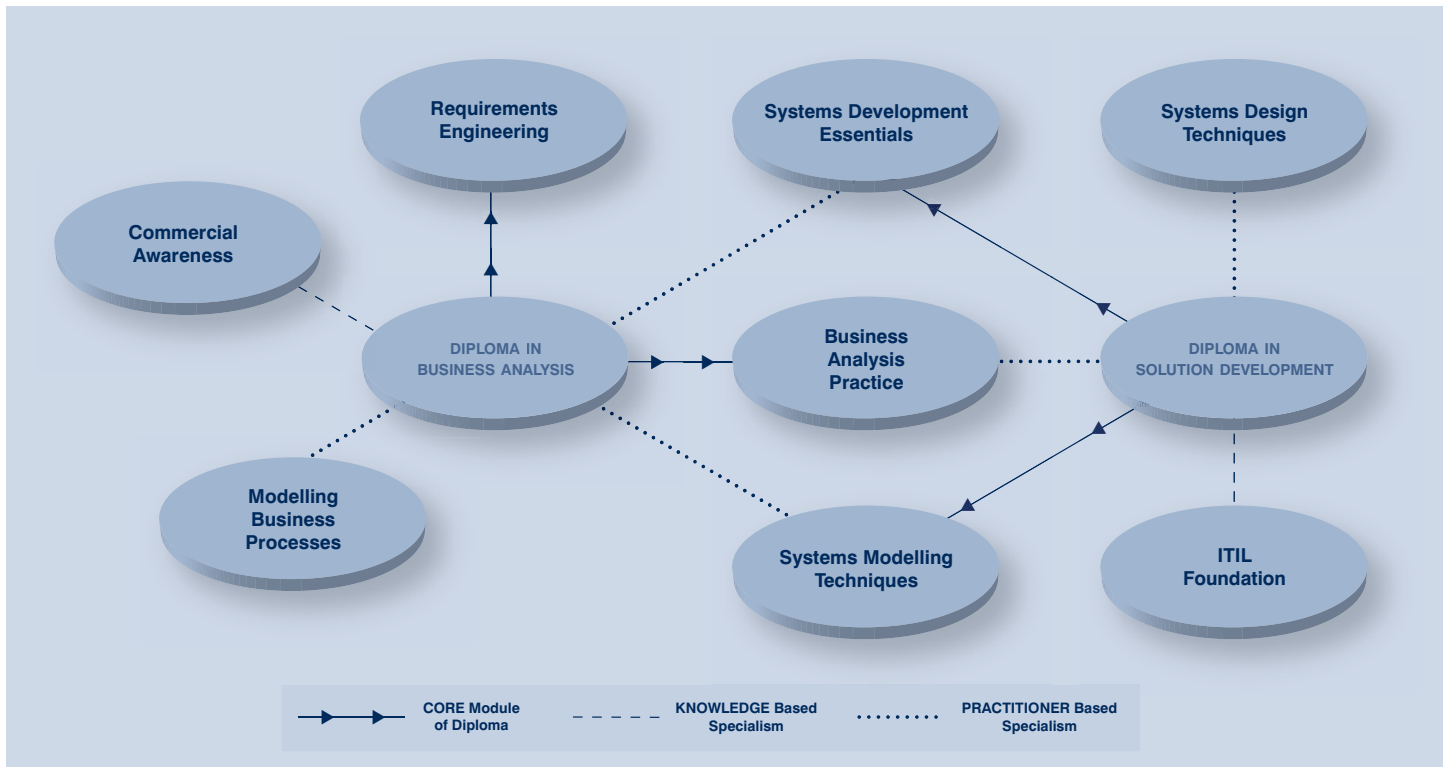
Dynamic Modelling

Analysing the behaviour of entities
Modelling the behaviour of entities
Documenting navigation paths

More Information

If you would like to discuss anything further, please email us at **contact@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

SMT203

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