BCS Certificate in Requirements Engineering

Duration: 3 days, classroom based

Location: Singapore CBD | Exam: 1 hour

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Course Overview

BCS Certificate in Requirements Engineering provides delegates with the knowledge and tool set to elicit and manage project Requirements. The course gives students a firm understanding of what a requirement is and how to turn a business problem into a solid set of validated requirements. Poor requirements are the most prevalent reason why change projects fail.

The course has been extensively revamped to cover the latest **BCS Requirements Engineering syllabus** which reflects recent and relevant developments in the business analysis field. It is administered by professional trainers with significant experience of real world requirements gathering and business analysis projects. Students are supplied with a course notes containing detailed information about business analysis techniques and providing references for further reading.

This syllabus has an accompanying examination at which the candidate must achieve a pass score to gain the BCS Certificate in Requirements Engineering.

Who should attend?

The certificate is relevant to anyone requiring a professional understanding of Business Analysis competencies, particularly managing the Requirements process. Typical delegates include business analysts, business managers, management consultants, system developers and project managers.

Prerequisites

There are no course prerequistes.

Course Objectives

On completion of Requirement Engineering course, delegates will be able to:

- Understand what is and is not a requirement
- The role of the analyst in the requirements process
- How to understand stakeholder views
- Tools and tips for eliciting requirements in a range of scenarios
- Document and organise project requirements
- How to validate a requirement
- Methodologies for gathering requirements
- How to use scenarios and Use Cases to explore requirements
- Managing requirements chance
- Sit and pass the accompanying exam

Certifications

This Requirement Engineering course prepares participants for the one-hour, open book, examination leading to the **Certificate in Business Analysis Practice offered by BCS, The Chartered Institute for IT**. This certificate is a core module for the Business Analysis Diploma.

Recommended Follow-on Courses

Related BCS Business Analyst courses:

- BCS Business Analysis Practice
- BCS Modelling Business Processes
- BCS Business Analysis Foundation Level

Course Outline

This three day course follows the BCS Certificate in Requirements Engineering syllabus and covers the following:

The role of the analyst:

- The role and competencies of the business analyst in the Requirements Process

The requirements engineering process:

- The requirements engineering framework
- Characteristics of requirements engineering
- The importance of requirements engineering

Actors and viewpoints:

- Stakeholders in business analysis projects.
- Roles and responsibilities in the requirements engineering process.
- Context diagrams and stakeholders.

Project initiation:

- The importance of the project initiation stage.
- The project initiation document.

Facilitated workshops:

- The use of workshops to elicit, analyse and negotiate requirements.
- Structure of a facilitated workshop.
- Facilitation skills.
- Stimulating creative thinking.

Documenting requirements:

- General business requirements.
- Functional and non-functional requirements.
- The requirements catalogue.
- Interpreting class diagrams.
- Scoping systems and documenting requirements with use cases.

Other requirements elicitation techniques:

- Observation and ethnographic studies.
- Activity sampling.
- Document and data source analysis.
- Questionnaires.
- Choosing the appropriate technique/s.

Analysing Requirements:

- Examining the requirements catalogue.
- Prioritising requirements (MoSCow).
- Checking for ambiguity and lack of clarity.
- Testability of requirements.

Scenarios and prototyping:

- The use of scenarios to explore requirements.
- Use case descriptions as a method of documenting scenarios.
- The use of prototyping to explore requirements.

Requirements Management:

- Change and version control of requirements.
- Requirements traceability.
- The use of CASE tools in requirements engineering.

Validating requirements:

- Validation techniques.
- Quality control in requirements engineering.

Requirements and systems development:

- Development lifecycles
- Traditional Waterfall and Agile approaches
- The link between requirements and systems development
- Post-implementation review

Exam

1 Hour exam | Open book | Case study based | We provide sample papers and exam prep on the course

Contact: academy@R1Training.com