BCS Certificate in Requirements Engineering

Duration: 1 full day and 4 half days live online

Course Overview

Expleo Academy's BCS Certificate in Requirements Engineering provides attendees with the knowledge and tools to turn a business problem into a validated specification of requirements based on BCS publication "Business Analysis" by Paul, Yeates & Cadle (4th Edition).

This course is delivered by BCS-accredited trainers with significant experience in requirements engineering and business analysis who will guide attendees through the five-part framework for Requirements Engineering.

The collaborative training approach includes group activities, case study analysis, and practical exam-based exercises.

Who should attend?

This Practitioner certificate is relevant to those involved in any Requirements Engineering activities. This includes Business Analysts, Product Owners, Business Change Managers, Project Managers, Quality Assurance, Systems Analysts, Business Managers, Business Representatives, or any stakeholders who value good quality requirements on business change projects.

The course is also aimed at individuals who would like to become accredited in the internationally recognised BCS Certificate in Requirements Engineering, on their path to achieving the BCS International Diploma in Business Analysis.

Prerequisites & pre-reading guidelines

The BCS assumes that attendees will be familiar with core concepts from "Business Analysis" (4th Edition). The course addresses topics from sections of chapters 1, 4, 5, 7, 10, 11 and 12. BCS also recommends further reading of sections from chapters 5, 8, 9, 11 and 12 of 'Agile and Business Analysis (2nd Edition) by Girvan and Paul.

How certification is earned

Certification is dependent on correctly answering 26 out of 40 (65%) questions in a 60-minute online exam. The closed-book Exam includes multi-choice and multi-response questions. Additional time is available under certain circumstances, as outlined on the BCS website. After registering for this course, the British Computer Society Exams Office will contact you to explain how you can schedule your online exam at a date and time to suit.

Course Objectives

On completion of this training, attendees will be able to demonstrate a practical understanding of how to:

- Collaborate with stakeholders to ensure requirements align with business objectives
- Elicit different types of requirements and capture in appropriate documentation
- Analyse and validate requirements
  Ensure and manage requirement quality and change

Context

Expleo's interactive training of BCS Requirements Engineering provides an essential step in your Business Analysis Learning Pathway, offering one of the certificates required to qualify for the BCS International Diploma in Business Analysis. The content is of value to any stakeholder engaged in software development projects.

Related courses

To qualify for the BCS International Diploma in Business Analysis, you should also attend:

- BCS Certificate in Business Analysis Practice
- BCS Certificate in Modelling Business Processes
- BCS Foundation Certificate in Business Analysis

The BCS offers you full flexibility when choosing the sequence in which you achieve these certificates. In general, Expleo Academy recommends that you attend the Foundation Certificate in Business Analysis after completion of the other three BCS certificates, if intending to sit the International Diploma exam. We are happy to discuss your specific training needs to advise on your optimal learning pathway.

Course Outline

Requirements Definition as a Service

- BASF

- Elements of requirements definition service
- Value Proposition, activities, techniques
- Stages of the RE framework
- Planning the requirements approach

Eliciting Requirements

- Different knowledge types
- Strengths and limitations of elicitation techniques
- The use of prototyping to elaborate requirements
- Applying appropriate elicitation techniques to the scenario

Documenting Requirements

- Requirement types
- How requirements are documented
- Best practice in authoring and capturing requirements
- Diagrammatic documentation
- Text-based documentation
- Requirements Catalogue, BRD, User Story, Backlog
- Selecting the appropriate style(s) of documentation

Analysing Requirements

- The purpose and goal of analysing requirements
- Issues that contribute to poorly articulated expressions of need
- Refining sets of requirements
- Refining individual requirements
- Quality of expression
- INVEST
- Categorising and Requirements Hierarchy
- Prioritising
- Slicing
- Business Rules
- Process Models for context
- Use case models
- Data models
- CRUD matrix
- Customer Journey Maps

Validating Requirements

- Objective of validation
- Linear projects
- Agile projects
- Roles and Responsibilities
- Formal and Informal
- Possible Outcomes

Managing Requirements

- Rationale for managing requirements
- Elements of requirements management
- Software Support
- Change Control
- Configuration Management
- Traceability – horizontal and vertical

Contact

Patricia McGuire
Head of Training
Expleo Technology Ireland Ltd
M. +353 (0)87 235 5902
W. expleoacademy.com
pat.mcguire@expleogroup.com
academy-uki@expleogroup.com

(expleo)
academy