PURPLE GRIFFON
The IT Service Management Training & Consultancy Specialists

Course Title: BCS Certificate In Requirements Engineering	**Course Duration**: 3.0 Days
Exam: Included	**Exam Type**: Proctored Exam
Qualification: BCS Certificate In Requirements Engineering	

Course Syllabus

Our BCS Certificate In Requirements Engineering training course covers the following Modules:

Module 1: Introduction to Requirements Engineering

Framework for Requirements Engineering

- Identifying the Requirements Engineering rationale
- Planning and estimating requirements
- Identifying the business rationale and inputs
- Crafting the business case
- Creating the Terms of Reference or Project Initiation Document (PID)

Building the Requirements

- Categorizing requirements within the hierarchy
- General business requirements, including legal and business policy
- Technical policy requirements
- Functional requirements
- Non-functional requirements

Stakeholders in the Requirements Process

- Project Stakeholders
- Business Stakeholders
- External stakeholders

Module 2: Requirements Elicitation

Types of knowledge

- Explicit knowledge and ignorance
- Identifying tacit knowledge and ignorance

Eliciting requirements from stakeholders

- Planning elicitation meetings
- Choosing the right people to interview

Applying elicitation techniques

- Selecting the best interview methodology

- Constructing questions that deliver results

Module 3: Requirements Engineering Modelling Techniques

Why model requirements?

- Generating questions
- Defining business rules
- Cross-checking for consistency and completeness

Modelling the business context for the system

- Developing a model to represent system processing requirements
- Interpreting a data model

Module 4: Documenting Your Requirements

Documentation styles and levels of definition

- Writing standard requirements
- Employing user stories and use cases

Creating a Requirements Catalog

- Identifying necessary attributes
- Writing a requirements description
- Non-functional requirements

Module 5: Requirements Analysis

Prioritizing and packaging requirements for delivery

- Analysing and prioritizing business needs
- Allocating requirements

Organizing requirements

- Optimizing business value
- Evaluating dependencies between requirements

Ensuring well-formed requirements

- Removing overlapping requirements
- Identifying and negotiating conflicts between requirements
- Removing ambiguity
- Ensuring feasibility and testability
- Prototyping requirements
- Verifying requirements

Module 6: Validating Requirements

Applying validation skills

- Selecting the best validation methods
- Validation checklists

Types of reviews

- Reviews, walk-throughs and inspections
- Stakeholders and their areas of concern

Module 7: Requirements Management

Dealing with changing requirements

- Types of changes
- Frequency and magnitude of changes

The importance of traceability

- Vertical traceability (to business objectives)
- Horizontal traceability (from origin to deliver)
- Traceability and ownership

Course Overview

Our Requirements Engineering is a valuable tool in the hands of the expert business analyst, whatever the project or product development lifecycle. It involves drilling down past surface discussion into tacit knowledge. Teams willing to embrace effective requirements practices, pinpointing consumer expectations for a newly introduced or modified existing product, will achieve better outcomes.

Our three-day BCS Requirements Engineering training course will teach you how to master essential techniques for elicitation, analysis, documentation and managing requirements.a

Course Learning Outcomes

BCS Membership Offer: If you do not hold a BCS certification and successfully pass the examination for this training course - you will be given one year's complementary BCS Membership. This offer is only valid for your first BCS qualification.

You will learn how to:

- Act as an effective member of a team involved in eliciting and recording user requirements for an information system.
- Recognise the nature of the requirements and the knowledge type to which they belong.
- Be familiar with a range of elicitation techniques and know how to apply them effectively.
- Record and prioritise requirements, and be able to recognise and help resolve conflicting requirements.
- Link project objectives/requirements to the business case.

Audience

Anyone requiring an understanding of requirements engineering, including business analysts, business managers and their staff, business change managers and project managers.

Entry-Level Requirements

There are no specific pre-requisites for this course.

It is recommended that those new to Business Analysis consider attending the BCS Foundation in Business Analysis Practice course.

Recommended Reading

Recommended Reading List:

Title: Business Analysis (2nd Edition)

Author: Debra Paul, Donald Yeates and James Cadle

Publisher: BCS Publication Date: 2010

ISBN: 9781906124618

Title: Mastering the Requirements Process

Author: Suzanne Robertson and James Robertson

Publisher: Addison Wesley Publication

Date: 1999

ISBN: 978-0201360462

You will need to spend 60-90 minutes each evening on revision and example examination questions.

What's Included

For all virtual classroom training courses, a printed copy of the latest edition of the comprehensive course manual will be sent to your home address in good time for the start of your BCS Certificate In Requirements Engineering training course. In addition, a link will be emailed to you to enable you to access an electronic copy of the same comprehensive manual for convenient future reference.

Exam Information

BCS Certificate In Requirements Engineering Examination:

- Type: 40 Multiple Choice Questions
- Duration: 60 Minutes
- Supervised: Yes
- Open Book: No
- Pass Mark: 26/40 (65%)
- Delivery: Digital

Candidate Responsibilities

- You need to complete registrations for both BCS and Questionmark.
- You will receive an email inviting you to register on the e-professional portal. Once you have completed this registration, you will be able to see the booking details that your training provider had given to BCS.

- The exam date and time may not reflect what you will book with Questionmark, but we will update this once the exam has taken place so your certificate will have the correct date.
- You will also receive an email with log in details for Questionmark. This will enable you to complete your registration and book your exam. The link for registering is here.
- If you are unable to see an assessment to schedule once you have registered, please contact BCS via customerservice@bcs.uk.
- If you're unable to select a remote proctored time and date, contact support@questionmark.com.

Create Proctor Session

- To select the exam date and time click on 'Schedule'. If you have multiple exams to schedule it is advised that you only schedule the exam you wish to take otherwise you may encounter an error 500 screen.
- If you do encounter this then please clear your browser cache before proceeding.

What's Next

If this BCS Certificate In Requirements Engineering training course is part of your BCS Diploma in Business Analysis programme, you have a choice of further modules:

- BCS Certificate In Business Analysis Practice
- BCS Certificate In Modelling Business Processes
- BCS Foundation Certificate In Business Change
- BCS Foundation In Business Analysis
- BCS Professional Certificate In Advanced Requirements Engineering

Additional Information

If you have successfully passed the course and examination, you will be awarded the BCS Certificate In Requirements Engineering.