

# BCS Certificate in Requirements Engineering

Learn via: **Classroom / Virtual Classroom / Online**

Duration: **3 Gün**

## **Overview**

Üç gün süren bu yoğun eğitimde gereksinimlerin çeşitli bakış açılarını karşıladıklarını ve çatışmaların da karşılıklı konsensüs yoluyla müzakere edildiğini sağlamak için ihtiyaç duyulan beceriler geliştirilmektedir.

## **Prerequisites**

There are no specific pre-requisites for this course.

**Please note the exam fee is not included in the course fee. Delegates wishing to undertake the exam should also book on course code REEX-2.**

Those delegates taking the BCS certificate will need to spend 60-90 minutes each evening whilst on the course doing revision and example examination questions.

## **Who Should Attend**

This course is for those wishing to acquire the skill set required for establishing system requirements and those wishing to attain the BCS Certificate in Requirements Engineering.

## **What You Will Learn**

At the end of this course you will be able to:

- Describe the roles and responsibilities of key stakeholders in the requirements engineering process
- Demonstrate the application of a range requirements elicitation techniques
- Explain the use of requirements elicitation techniques and the relevance of the techniques to given situations
- Document and prioritise user requirements for an information system
- Identify problems with requirements and explain how requirements documentation may be improved
- Create a process/function model of requirements for an information system
- Interpret a model of the data requirements for an information system
- Explain the importance of linking project objectives and requirements to the Business Case
- Describe the principles of Requirements Management and explain the importance of managing requirements
- Describe the use of CASE tools to support Requirements Engineering
- Explain the principles of Requirements Validation and define an approach to validating requirements

## **Outline**

### **The Requirements Engineering Process**

Lifecycle for business change; Business plans and objectives; Problems with requirements; The stakeholders involved in RE; RE process overview

### **Requirements and the Business Context**

Hierarchy of requirements; TOR/PID; Functional requirements; Non-Functional requirements; General/Technical requirements; Service level requirements

### **Eliciting and Documenting Requirements**

Problems with elicitation; Different stakeholders viewpoints; Elicitation techniques; Facilitated workshops in detail; Prioritisation of requirements; The structure and contents of a requirement

## **Interviewing for Requirements**

Interviewing for RE; The interviewing lifecycle; Planning, preparing, conducting and following up the interview; Questioning strategies

## **Use of Models in Requirements Engineering**

Developing a process/functional model; Reading a static (data) model

## **Analysing and Negotiating Requirements**

Iterating requirements; Congruence with business objectives; Analysing requirements against: Classification, Priority, Ambiguity, Testability, Risk, Granularity, Omissions, Conflicts, Overlaps, and Achievability; Resolving conflicts

## **Validating Requirements**

Requirements validation; Requirements reviews; Validation checklist; Validation by prototyping

## **Managing Requirements**

The principles of requirements management (RM); How the '4 pillars' support RM; The baseline mechanism; The role of the Change Control Board

## **Benefits Confirmation**

Requirements testing/user acceptance testing; Post-implementation review; Roles of requirements actors

## **Case Study**

A case study allows the delegates to undertake a simulated requirements engineering assignment to practise the new skills.

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