

Requirements Engineering **(BABOK: Rqts Elicitation & Analysis)**

_(3 Days)

Establish a firm foundation of requirements for your projects!

Requirements provide the foundation for the rest of any software development process, but few projects develop truly effective requirements specifications. Yet numerous studies have shown the major reason projects fail tie back to problems in obtaining and documenting requirements effectively. The BA Body of Knowledge (BABOK) defines these critical activities.

This course provides students with an understanding of requirements, the importance of requirements, the types of requirements, and the requirements process overview. Students learn the necessary foundation and understanding for developing effective requirements, moving from business objectives through business and end-user requirements to system and software requirements. The course provides a logical, generic methodology for the requirements process. Students learn the various types of information gathering methodologies and how and when to use each. Students learn how to conduct effective interviews, workshops, and surveys as well as the right type of questions to ask and effective feedback techniques.

During this course, you will:

- Understand the roles and relationships among business objectives and business, end-user, system, and software requirements
- Identify and document end-user functional requirements via use cases
- Capture and document a comprehensive set of Quality of Service requirements
- Collect information using effective interviews, group workshops, and questionnaires
- Gather information via data mining and using secondary data sources
- Identify business rules, and capture and document them effectively

Who should attend this course?

- Business Analysts
- Systems analysts
- Requirements Analysts
- Project managers
- Team leaders
- Software developers
- Software testers

Course Outline:

Day 1

- Introduction to Requirements
- Techniques for Eliciting Requirements from People

Day 2

- Techniques for Eliciting Requirements from Other Sources
- Feedback and Validation Techniques
- Analyzing Requirements

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(BABOK: Rqts Elicitation & Analysis) Course Outline, continued

Day 3

- Modeling Requirements
- Deriving and Discovering Requirements
- Course Wrap-up