

## Course BA220: Requirements Validation

Course Duration: 2 days

Prerequisite Courses: BA110, BA120, BA130 recommended

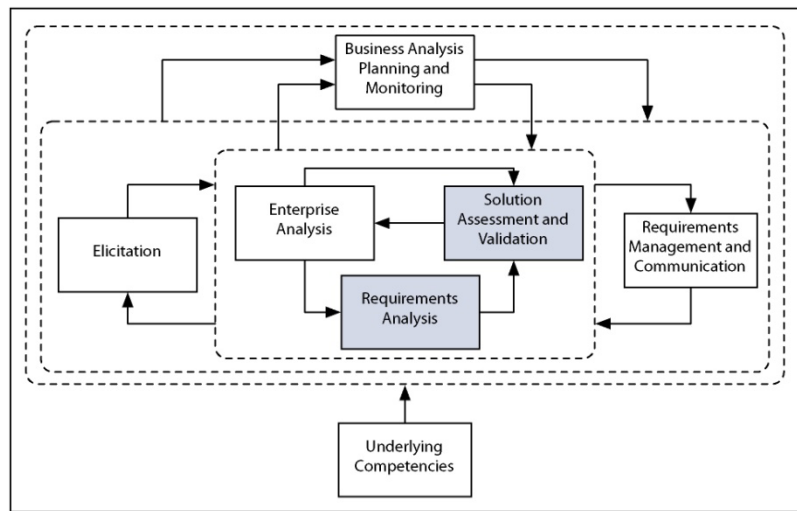
Certification: Earn 14 IIBA™ Continuing Development Units™ (CDUs).



Achieveblue™ is an Endorsed Education Provider™ with the International Institute of Business Analysis™. This course has been officially endorsed as part of Achieveblue’s business analysis curriculum within that program.

This course aligns with and provides topical coverage for the following knowledge areas within version 2.0 of the IIBA® Business Analysis Body of Knowledge®:

- Requirements Analysis
- Solution Assessment and Validation.



### Course Overview

#### Intended Audience:

This course is designed for Business Analysts or anyone interested in improving and validating the quality of their requirements.

#### Prerequisites:

We recommend that the Business Analyst has already attended three core courses (or at a minimum Detailing Process and Business Rule Requirements) before enrolling for this course.

#### Positioning:

This course takes you through the steps to ensure that business requirements are validated, that the solution is usable and meets the business needs. Validating requirements improves the likelihood of project success, making sure that we are building the right solution. The cost to correct a software defect may be as high as 2900 times the cost to correct a requirement. Finding missing requirements and requirements inconsistencies decreases the overall length and cost of the project.

Business Analysts must use risk assessments to prioritize requirements and requirements validation activities. The highest risk areas of the business must be addressed first. This course teaches Business Analysts to design efficient requirements validation tests to make the best use of limited resources and time. Solution Assessment and Validation is one of the key knowledge areas in the IIBA BABOK. This course addresses many of the important tasks in the knowledge area along with giving Business Analysts the ability to design efficient and effective tests to demonstrate that the application solutions meets their user's needs. This course answers many of the key questions about requirements validation including:

- How do we validate requirements?
- Which types of validation and verification processes are appropriate for my project?
- How does the team ensure that the solution meets the business stakeholder needs?
- Where does validation fit in the software development life cycle (SDLC)?
- What is software usability? Why is it important?
- How does the team correct problems when they are discovered?
- How do I work with technical members of the solution team? What do they need from a BA to be successful?

### Topical Outline

#### Introduction to Requirements Validation

- What are requirements?
- Why do we validate requirements?
- How do we validate requirements?
- When should requirements be validated?
- Who validates requirements?

#### Validating and Testing Requirements

- What does it mean to validate requirements?
  - Conducting effective requirements reviews.
    - Review guidelines.
    - Examine a sample review Invitation and results form.
    - Review question checklists.
    - How do reviews improve future projects?
    - Workshop: validate requirements using a formal review
  - Introduction to usability testing.
  - Effective user acceptance testing (UAT).
  - Post implementation user assessment.
- How to correct problems that are discovered during requirements validation?
  - Use a consistent defect reporting procedure.
  - Track defect types to improve requirements on future projects.
  - Assess defect type, severity, and status.

#### Usability Testing

- Learn the principles of usability.
- Learn how usability testing differs from traditional testing.
- Discuss methods of usability testing.
- Learn to use requirements to design usability tests.
- Workshop: conduct a usability test.

## Working with IT Stakeholders

- Communicating with IT development stakeholders.
  - Verifying requirements or specification.
    - Unit testing.
    - Integration testing.
    - Systems testing.
    - Testing business requirements.
    - Testing functional requirements.
    - Testing technical requirements.
    - Regression testing - re-testing after a change.
  - Testing environments.
  - Common IT testing methods.
    - White box and black box testing.
    - Positive and negative testing.
    - Choosing data values for testing.
- Working with QA stakeholders.
  - Software quality assurance (SQA) planning and structure.

Utilizing SQA personnel throughout the SDLC.

## Documenting Requirements Validation Deliverables

- Designing a requirements validation plan
  - IEEE testing templates.
  - What is a test design, test case, test procedure?
  - Identifying tests from requirements documentation.
  - Using use case descriptions to develop testing procedures.
  - Tracking test cases.
- Workshop: validating requirements using test cases.
- Tracing test cases to requirements - cross checking the solution.
- Designing a requirements validation plan.
  - Planning considerations:
    - Who will validate requirements?
    - How will this be accomplished?
    - Where are the highest risks?
    - Where will tests be conducted?
    - Who will conduct testing?
    - Who will review test results?
    - What test data will be used?

### Solution Assessment and Validation BABOK Knowledge Area

- Understanding the tasks in the IIBA BABOK - Solution Assessment and Validation.
  - Develop alternate solutions.
  - Ensure the usability of the solution.
  - Support the QA process.
  - Support the implementation/deployment of the solution.
  - Communicate the solution impacts.

Contact us for more information at 416-236-3005 or [info@achieveblue.com](mailto:info@achieveblue.com)



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