

BAE6

## Validating and Testing Requirements

**2 Days**

Before you hand over a set of requirements to whoever is going to build or buy a solution for you, how do you know that your requirements are correct, complete and consistent and that they will be correctly understood? How do you know that you have them all? What are you missing? Once the solution is delivered and you have a chance to test it out, what, exactly will you be testing for?

Through hands-on interactive exercises, participants learn the characteristics of good requirements and practice useful and effective verification and validation techniques. The business analyst's role in testing is examined and participants learn how to identify and design test cases.

### LEARNING OBJECTIVES

Improve the quality of your requirements, and confirm that the requirements are understood by those who need to approve them, and those who need to work with them. Find defects sooner and reduce the requirements testing effort.

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

- Write “good” requirements
- Apply verification and validation techniques like peer reviews and structured walkthroughs before solution development begins
- Guide User Acceptance Testing (UAT) to validate that a solution meets the business need

### WHO SHOULD ATTEND

- Those working with business stakeholders to define requirements
- Those working with solution providers to correctly interpret and understand requirements
- Those playing a role in User Acceptance Testing (UAT), either as a test lead, or as a business analyst supporting UAT
- Those who are managing or leading a group of business analysts and are looking for a foundation of best practices

## KEY TOPICS COVERED

- Techniques for writing “good” requirements and verifying that they are “good”
- Techniques for validating that the requirements are correctly understood and completely address the business need
- How to use testing techniques to improve the quality of the requirements before solution development begins
- How to ensure adequate test coverage of the requirements
- User Acceptance Testing (UAT)

## COURSE OUTLINE

### Develop the Business Analysis Approach

- Minimize the impact of requirements risks by selecting the methods and techniques to be used on a specific initiative
- Identify the right subject matter experts for different types of requirements
- Clarify who approves requirements
- Determine the level and formality of requirements documentation needed

### Requirements Verification

- Develop guidelines for writing good requirements
- Apply best practices to requirements writing
- Conduct a peer review of a set of requirements

### Requirements Validation

- Apply traceability to ensure that requirements are necessary and support the business need
- Prioritize requirements with techniques like MoSCoW and backlog management
- Validate requirements in a structured walkthrough using scenario testing

### Testing for BA's

- Use the V-model of testing to identify the levels and types of testing on a specific initiative

### What to Test

- Design test cases using techniques like boundary testing, equivalence partitioning, glass box and black box testing
- Use requirements models to identify test cases

### User Acceptance Testing

- Define critical test scenarios
- Develop acceptance criteria.
- Guide and support the UAT effort

## ABOUT BA ESSENTIALS

- Each course in the program takes an experiential learning approach: more hands on work and one-on-one interaction rather than lecture, to allow you to build knowledge and skills.
- Our instructors are skilled business analysts with many years of experience in the field.
- Students successfully completing the 7 courses in three years will receive an Algonquin College certificate in Business Analysis Essentials.

### Courses in the Business Analysis Essentials program include:

1. Fundamentals of Business Analysis
2. Accelerated Requirements Elicitation and Analysis
3. Facilitation Techniques for Business Analysts
4. Modeling Business Processes and Workflows
5. Use Case Modeling
6. Validating and Testing Requirements
7. Business Analysis in an Agile Environment

Most of the courses can be taken in or out of sequence to complete the full program, although we strongly recommend that you take the Fundamentals of Business Analysis course first, even if you are an experienced business analyst.

You can also take individual courses to fill knowledge and skills gaps.

*Algonquin College is an Endorsed Education Provider™ (EEP™) of IIBA. Courses in the BA Essential program are eligible for Professional Development hours (PD hours) for certification and Continuing Development Units (CDUs) for recertification. This course is eligible for 16 PD Hours/CDUs.*

*Algonquin College is a Global Registered Education Provider (R.E.P.) of the Project Management Institute. Courses in the BA Essentials program are eligible for PMI® Professional Development Units (PDUs). This course is eligible for: 16 PMP® Technical PDUs or 16 PMI-Professional in Business Analysis (PMI-PBA)® PDUs.*

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## HOW TO REGISTER

**CALL** 1.833.282.6852

**EMAIL** [training@algonquincollege.com](mailto:training@algonquincollege.com)

**ONLINE** [algonquincollege.com/corporate](http://algonquincollege.com/corporate)