BAE2

Accelerated Requirements Elicitation and Analysis

3 Days

This course explores two of the core concepts of business analysis: requirements elicitation and requirements analysis. Team collaboration techniques using visual requirements models reduce the requirements cycle while achieving high quality requirements. Participants will learn to use a combination of requirements models concurrently to understand, document and validate several perspectives at once. A key aspect of this course is the examination of techniques like UML and other notations for use case analysis and workflow modeling, business rules analysis, user interface requirements analysis and data modeling.

LEARNING OBJECTIVES

Improve your requirements elicitation and analysis skills by modeling several perspectives of a problem concurrently, and eliminate delays in requirements approvals by incorporating immediate feedback from subject matter experts.

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

- Use a combination of visual models to elicit, document, communicate and validate represent different perspectives of a set of requirements
- Coordinate a team of people to build models and analyze requirements concurrently
- Create workflow diagrams, state diagrams, conceptual data models, wireframes and storyboards and business rules decision tables

WHO SHOULD ATTEND

- Those seeking to be involved in a variety of business analysis initiatives, including process improvement projects, feasibility studies, business case development , plan-driven and iterative Agile software development projects
- Those involved in projects involving configuration of Commercial Off-The-Shelf products

KEY TOPICS COVERED

- Explain how to use an electronic repository to improve communication with stakeholders
- Use a combination of visual models to capture and represent different perspectives on a set of requirements
- Coordinate a team of people to build models and analyze requirements concurrently
- Create a simple use case diagram and write use case descriptions
- Design context diagrams, wireframes and storyboard.
- Construct conceptual and logical data model and a simple UML class model
- Build a state diagram and business rules decision table

COURSE OUTLINE

The Foundation

- Review the concept of "requirement"
- Review elicitation techniques and analysis models
- Manage scope using requirements traceability and requirements prioritization

Collaborative Elicitation and Analysis

- Use a combination of visual models to capture and represent different perspectives of a set of requirements
- Coordinate a team of people to build models and analyze requirements concurrently
- Experiment with iterative and concurrent modeling approaches

Workflow Models

- Develop and analyze a workflow model
- Apply leveling techniques to manage complexity
- Conduct a gap analysis using AS-IS and TO-BE models

Data Models

- Read an entity-relationship diagram
- Draw a Conceptual Data Model showing entities, relationships and cardinality that represent the business perspective

Wireframes, Storyboards and Prototypes

- Create a wireframe and storyboards
- Explain the different kinds of prototypes

State Diagrams

- Create a state diagram

Business Rules

- Explain different types of business rules
- Create a business rules decision table

Plan the Elicitation and Analysis Work

- Plan the requirements artifacts to be produced, the elicitation techniques to be used, and the roles and responsibilities of the participating stakeholders

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 24 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: 24 PMP® Technical PDUs or 24 PMI-Professional in Business Analysis (PMI-PBA)® PDUs.

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HOW TO REGISTER

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