

Introduction:

Business systems analysis is a crucial process that involves the in-depth identification, systematic analysis, comprehensive modeling, and precise specification of the logical requirements within a business to create efficient and optimal solutions. This specialized field demands a well-rounded skill set, with a clear understanding of the distinction between defining business requirements and their technical application to solve these needs.

Through this professional business system analyst course, participants will enhance their expertise by learning the most effective techniques and methods for gathering requirements from users and stakeholders. They will also develop advanced business and data models that clearly represent these needs and write detailed specifications that act as an accurate architectural blueprint for system design, construction, and testing.

Additionally, attendees will explore how business systems analysis techniques can be seamlessly integrated using the Architecture Framework, ensuring that all requirements are thoroughly documented and precisely articulated.

The field of business systems analysis is vital for professionals looking to thoroughly analyze and develop practical solutions that align with organizational goals. This course will help participants strengthen their professional business systems mindset.

Target Audience:

This course is designed for analysts, managers, and professionals who wish to enhance their analytical skills and those committed to improving their decision-making abilities through rigorous, evidence-based analysis.

Course Objectives:

Upon completing this business systems analysis course, participants will have:

- A clear understanding of the diverse role of a business systems analyst.
- Insight into the phases and details of the Systems Development Life Cycle (SDLC).
- The ability to define the system's scope with precision.
- The knowledge to identify and engage with system stakeholders.
- The skills to develop a compelling business case.

- The ability to implement and apply The Architecture Framework.
- The capability to model business systems in terms of data, activities, locations, personnel, timelines, and motivations.
- Familiarity with different information-gathering techniques.
- The ability to define both functional and non-functional business requirements.
- Proficiency in creating a comprehensive business requirements specification.

For those seeking certification, such as the beginner-level systems analyst certification, the foundations provided in this course will prove invaluable.

Key Competencies:

By engaging with this course content, participants will sharpen their skills in:

- Analytical thinking.
- Comprehensive data analysis.
- Problem-solving.
- Recognizing and analyzing data patterns.
- Structuring data effectively.
- Making well-balanced and informed decisions.

Course Outline:

Unit 1: Introduction to Business Systems Analysis:

This unit introduces the core responsibilities of a business systems analyst and covers the essential stages of the Systems Development Life Cycle (SDLC). It also explores the business systems analysis process in detail.

- Understanding roles within the business systems analysis domain.
- Overview of the SDLC and its relevance to systems analysis.

- Key steps in the business systems analysis process.
- Engaging with system users and stakeholders.
- Defining system scope and boundaries.
- Developing a compelling business case for system projects.

Unit 2: Modeling the Business:

In this unit, participants will be introduced to business modeling, focusing on The Architecture Framework to shape data requirements and business process models relevant to systems analysis.

- Core principles of business modeling.
- The role of The Architecture Framework in business systems analysis.
- Detailed modeling of data requirements to inform system development.
- The importance of business process modeling in systems analysis.

Unit 3: Modeling the Business (Continued):

Participants will deepen their understanding of business modeling by exploring advanced topics such as use cases, location-based models, and the synthesis of complex business events and timelines.

- Developing use cases for system design.
- Geospatial business modeling for location-based systems.
- Modeling corporate structures, roles, and human resources.
- Examining business events and temporal factors in systems analysis.
- Identifying and documenting business rules and rationales.

Unit 4: Gathering Information:

This unit focuses on enhancing communication strategies and employing various elicitation techniques such as interviews, questionnaires, and observation to gather comprehensive information.

- Effective communication strategies for business systems analysts.

- Techniques for conducting interviews that uncover critical insights.
- Using questionnaires to collect expansive data.
- Document analysis and observational techniques for in-depth understanding.
- Facilitating workshops using Joint Application Design (JAD) methods to capture collective insights and requirements.

Unit 5: Preparing a Business Requirements Specification:

The final unit focuses on the preparation of functional and non-functional requirements documents that are clear, specific, and actionable for system development.

- Differentiating between functional and non-functional requirements.
- Writing precise and actionable business requirements.
- Validating requirements to ensure their completeness and robustness.
- Key components of a thorough business requirements specification.

This course provides the foundational knowledge for those pursuing a career in business systems analysis or seeking an introduction to computer systems analysis. It sets the groundwork for obtaining certifications and mastering the core principles of business analysis.