



Business Analyst Fast-Track Certificate Program

Priced at \$1999.

6 Modules over 14 days.

Originally developed for a leading California state agency, this popular certificate program is now available to everyone. In fourteen days of classroom training, this series of classes covers approved tools and techniques to be used in the System Development Life Cycle (SDLC) in both traditional and Object Oriented models. These classes are technology neutral and are of great use to people working in any IT environment, or to IT customers assisting in SDLC development and maintenance. These classes use comprehensive workshops that build on concepts presented and emulate the evolution of IT solutions in the real world.

- **Module 1: Process Modeling**
- **Module 2: Data Modeling**
- **Module 3: Requirements Elicitation and Documentation**
- **Module 4: Designing Information Systems**
- **Module 5: Testing Architectures**
- **Module 6: Summary and Graduation**

International Institute of Business Analysis (IIBA)

As an Endorsed Education Provider with IIBA, Train-Right courses are consistent with the Business Analysts Body of Knowledge (BABOK 2.0) guidelines and recommendations.

Course Descriptions

Module 1: Process Modeling – 4 days

This course covers the basics of process modeling. Students are taught both Data Flow Diagrams and Swim-lane modeling techniques that can be used to model a System Implementation Model (HOW a system works based on current or future technology) and a System Essential Model (WHAT are the requirements defined by the stakeholders that set goals the system MUST meet). Hands-on workshops in a JAD format are used to reinforce concepts.

Module 2: Data Modeling – 3 days

This course presents the terminology and basic concepts of data modeling and illustrates them using Entity-Relationship Diagrams (ERD), Data Structure Diagrams (DSD) and Data Model Diagrams (DMD). The entire data modeling process is presented, from conceptual modeling, to normalization, to the logical data model. The course finishes by presenting options for implementing the logical data model as a relational database model. Hands-on workshops in a JAD format are used to reinforce concepts.

Module 3: Requirements Elicitation and Documentation – 2 days

This course presents a methodology for creating and validating business requirements that accurately and effectively reflect the essential activities of some portion of a business. This course covers the discovery, creation, documentation, and validation of functional and nonfunctional business requirements. Hands-on workshops using a JAD format are used to reinforce concepts.

Module 4: Designing Systems from Requirements – 2 days

This course covers the creation of a new System Implementation Model (SIM) from the System Essential Model (SEM) that was created during the earlier stages of structured analysis. The three steps of structured design are defined and the various views that make up the SIM are created and documented using physical data flow diagrams, structure charts, pseudo-code, and data dictionary entries. Hands-on workshops using a JAD format are used to reinforce concepts.

Module 5: Testing Architectures – 2 days

This course presents an architecture that helps define a process to implement a structured testing environment for all phases of the Systems Development Life Cycle (SDLC). The course focuses on the four distinct techniques of structured testing; independent creation, independent review, functional testing and structural testing; each of which must be present in any quality assurance program to ensure an absolute minimum of system problems. Using risk assessment as a guide for structured testing is emphasized and a risk matrix is presented. Hands-on workshops using a JAD format are used to reinforce concepts.

Module 6: Summary and Graduation – 1 day

This module presents an integrated view of the information presented in the previous modules, unifies the overall SDLC process and gives students insight on how to adapt the tools and techniques covered in the program into their own work environment.