



TR012 Modeling Essential Business Data

Individual Student Cost: **\$775**

Enroll in 3 IACP classes and get \$300.00 credit for the 4th!

Training Coordinators: Enroll 4 students and the 5th is free!

Duration: 4 days

Audience:

This course is designed for business and technical experts that want to learn the essential steps of data modeling.

Prerequisites:

Introduction to Business Systems Analysis ([TR001](#)) or equivalent experience.

Description:

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.

Objectives:

Upon successful completion of this course, the student should be able to:

- Define the terminology associated with data modeling.
- Identify and create the diagrams to create a conceptual and logical data model.
- List the steps involved in creating a conceptual and logical data model.
- Identify how normalization is used to turn a conceptual data model into a logical data model.
- Describe and perform the first three normal forms.
- Identify the options available when implementing a logical model into a relational database.