

Introduction to Object Oriented Programming using Microsoft Visual Studio 2008 (6367A)

Course Description:

This three-day instructor led course will enable attendees to start designing and developing object-oriented applications using Visual Studio 2008. Attendees will learn object-oriented concepts including classes, methods, properties, inheritance, and interfaces. Also they will learn how to identify opportunities to use these concepts in design, and how to implement these object-oriented concepts using Visual Studio 2008.

Audience Profile

The target audience for this course is lower-intermediate level programmers who have a minimum of three months programming experience in a professional environment and want to learn how to use Visual Basic or C# to develop well conceived and implemented object-oriented programming applications.

At Course Completion

After completing this course, students will be able to:

- Describe the fundamentals of getting started with object-oriented development and review Visual Studio 2008 features.
- Describe classes and their importance in the basic structure of an object-oriented application.
- Add properties and methods to implement the internal functionality of a class.
- Implement inheritance, abstraction and polymorphism to reduce code duplication.
- Create structures that emphasize code reusability.
- Implement interfaces to establish “common” relationships between classes, reduce code dependencies, and facilitate code.
- Create an object-oriented structure design from a business problem.
- Create object-oriented structures based on their knowledge of classes, properties, methods, inheritance, and interfaces.
- Create and use delegates, events and exceptions to establish interclass communications.
- Design class interactions based on a set of business requirements.
- Design class interactions using methods, events, delegates and exceptions.
- Evaluate techniques to improve their own design.
- Evaluate a design pattern and determine its applicability to a business scenario.
- Create and maintain updatable units of software by deploying components and class libraries.
- Maintain an application without deploying the entire application.

Training Cost:

The total cost for the training is **198 Euros**.