40035 Software Development Fundamentals with .NET

Students will learn Core Programming, Object-Oriented Programming, General Software Development, Web Applications, Databases, .NET Framework Concepts, .NET Code Compilation, I/O Classes in .NET Framework, Security, .NET Languages, and Memory Management.

Length Days: 5 | Length Hours: 40

Target Audience

This program provides an appropriate entry point to a future career in technology and assumes some hands-on experience or training but does not assume on-the-job experience.

Course Objectives

After completing this course, students will be able to:

- Understand Core Programming
- Understand Object-Oriented Programming
- Understand General Software Development
- Understand Web Applications
- Understand Desktop Applications
- Understand Databases
- Understand .NET Framework Concepts
- Understand Namespaces and Classes in the .NET Framework
- Understand.NET Code Compilation
- Understand I/O Classes in the .NET Framework
- Understand Security
- Understand.NET Languages
- Understand Memory Management

Course Outline

1 - Introduction to Programming
2 - Introduction to Object-Oriented Programming
3 - Understanding General Software Development
4 - Understanding Web Applications
5 - Understanding Desktop Applications
6 - Understanding Databases
7 - Understanding Object-Oriented Programming
8 - Understanding Data Types and Collections
9 - Understanding Events and Exceptions
10 - Understanding Code Compilation and Deployment
11 - Understanding Input/Output (I/O) Classes
12 - Understanding Security