

ASP.NET

Duration: 3 Days

The goal of this course is to teach students how to create a simple Active Server Page ASP.NET application that delivers dynamic content to the Web. The course covers Web Forms and handling events, Web Controls and input validation, using the new web application architecture and Web Services, and debugging in the new integrated development environment.

Book in conjunction with our 2-day **VB.NET** course.

At the end of the course, students will be able to:

- Create a Web form with server controls
- Separate page code from content with code-behind pages, page controls, and components
- Display dynamic data from a data source by using ADO.NET and data binding
- Debug .NET Active Server Pages

Working with ASP.NET

- Introducing ASP.NET
- Creating Web Forms
- Adding ASP.NET Code to a Page
- Handling Page Events

Using Web Controls

- Web Controls and HTML controls compared
- Using Intrinsic Controls
- Using Input Validation Controls
- Introduction to user controls

Using Trace in AS .NET Pages

- Overview of Tracing
- Trace Information
- Page-Level Trace and Application-Level Trace

Separating Code from Content

- Advantages of Partitioning an ASP.NET Page
- Creating and Using Code-Behind Pages
- Creating and Using Components and Classes
- Inheritance of Classes
- Interfaces

Prerequisites

Before attending this course, students must have some familiarity with:

- web design using HTML and Active Server Pages
- Basic knowledge of .NET and Visual Basic.NET

If you are unsure if you have the prerequisites for this course, please call 01273 622272 to discuss with one of our training managers.

Using ADO.NET to Access Data

- Accessing text files
- Overview of ADO.NET
- Connecting to a Data Source
- Accessing Data with DateSets
- Using DataViews
- Accessing Data with DataReaders
- Using XML Data with a DataSet

Creating an ASP .NET Web Application

- Requirements of a Web Application
- Sharing Information Between Pages
- Securing an ASP.NET Application

Web Services

- Creating a Simple Web Service Using Visual Studio.NET
- Calling a Web Service Using Visual Studio.NET