Visual Studio 2010/2008 Course Outline

Developing and Implementing ASP.NET Web Applications Development with Visual VB.NET/C#, Ajax Toolkit, Crystal Report 10, SQL Server 2005 and Visual Studio® .NET MCTS Exam 70-562

Developing and Implementing Windows Forms Applications Development with Visual VB.NET/C# and Visual Studio® .NET MCTS Exam 70-505

Developing and Implementing Windows Presentation Foundation (WPF) Applications Development with Visual VB.NET/C# and Visual Studio® .NET MCTS Exam 70-502

Developing and Implementing Silverlight 3 Web Application Development with Visual VB.NET/C# Using VS 2010 and Expression Blend

Developing and Implementing ASP.NET Web Applications Development with Visual VB.NET/C#, Ajax Toolkit, Crystal Report 10, SQL Server 2005 and Visual Studio® .NET MCTS Exam 70-562

Contents at a Glance

ASP.NET Basics
- Understanding the .NET Framework
- Getting Started with ASP.NET
- Building Forms with Web Controls
- Using Rich Web Controls
- Creating and Using Custom Controls
- Validating User Input
- Debugging ASP.NET Pages

ASP.NET Database Programming
- Introducing ADO.NET
- Understanding Data Binding
- Working with Data Grids
- Using Templates
- Using SQL Server with ASP.NET
- Advanced Data Binding and XML

Advanced ASP.NET
- ASP.NET Application Configuration
- Developing Business Objects
- Building HTTP Handlers
- Understanding Caching
- ASPNET Security
- Localizing ASP.NET Applications
- Deploying ASP.NET Applications

Building Web Services
- Introduction to Web Services
- Web Services Infrastructure
- Understanding SOAP
- Building a Web Service
- Deploying and Publishing Web Services
- Finding Web Services

Microsoft SQL Server 2005

- Introduction to Microsoft SQL Server 2005
- Using Transact-SQL on a SQL Server Database
- Designing a SQL Server Database
- Implementing SQL Server Databases and Tables
- Implementing Data Integrity
- Accessing and Modifying Data
- Managing and Manipulating Data
- Implementing Stored Procedures
- Implementing Triggers
- Implementing Views
- Implementing Indexes
- Managing SQL Server Transactions and Locks
- Designing and Administering SQL Server 2000 Security
- SQL Server Monitoring and Tuning

Crystal Report 10

- Introduction to Crystal Reports 10
- Accessing Your Data
- Using the Default Report Wizards
- Fundamentals of the Crystal Reports Design Environment
- Formatting Reports
- Enhancing Crystal Reports
- Advanced Report Design Concepts
- Sharing and Distributing Crystal Reports

MCTS EXAM 70-505

Microsoft

Developing and Implementing Windows Forms Applications Development with Visual VB.NET/C# and Visual Studio® .NET MCTS Exam 70-505

Contents at a Glance

- Windows Forms and the User Interface
- Configuring Controls and Creating the User Interface
- Advanced Windows Forms Controls Tool Strips, Menus, and Events
- Configuring Connections and Connecting to Data
- Working with Data in a Connected Environment
- Create, Add, Delete, and Edit Data in a Disconnected Environment
- Implementing Data-Bound Controls
- Working with XML
- Printing in Windows Forms
- Advanced Topics in Windows Forms
- Enhancing Usability
- Asynchronous Programming Techniques
- Creating Windows Forms Controls
- Deployment

Developing and Implementing Windows Presentation Foundation (WPF) Applications Development with Visual VB.NET/C# and Visual Studio® .NET MCTS Exam 70-502

Contents at a Glance

- WPF Application Fundamental
- Events, Command, and Settings
- Building the User Interface
- Adding and Managing Content
- Configuring Databinding
- Converting and Validating Data
- Styles and Animation
- Customizing the User Interface
- Resources, Document, and Localization
- Deplyment

Silverlight 3

Developing and Implementing Silverlight 3 Web Application Development with Visual VB.NET/C# Using VS 2010 and Expression Blend

Contents at a Glance

- Introducing Silverlight
- XAML
- Layout
- Dependency Properties and Routed Events
- Elements
- The Application Model
- Navigation
- Shapes and Geometries
- Brushes, Transforms,and Bitmaps
- Animation
- Sound, Video, and Deep Zoom