



Microsoft ASP.NET Programming Certification - Syllabus

Section I - The Interface of Microsoft ASP.NET

lesson 1	What Is ASP.NET, and Why Is It So Great?
lesson 2	Understanding Web Servers and Browsers
lesson 3	Understanding Static Web Pages & Dynamic Web Pages
lesson 4	The .aspx (Markup) File for the Simple Calculator Application
lesson 5	Downloading & Installing Visual Studio 2005

The Coding

Section II - Coding

lesson 1	Creating a New Web Site & Working with Controls
lesson 2	Setting the Page Title
lesson 3	Adding Some Code & Running the Application
lesson 4	Understanding Postback, Events, and Code-Behind
lesson 5	Understanding the Basics of a Multipage Application
lesson 6	Adding Pages & Redirecting to Another Page
lesson 7	Creating a Master Page & content page
lesson 8	Creating a Simple Calculator Application
lesson 9	Testing and Debugging Your ASP.NET Applications
lesson 10	Using Basic Web Server Controls

Validation & List Controls

Section III - Validation & List Controls

lesson 1	Validating the Hard Way
lesson 2	Using the RequiredFieldValidator Control
lesson 3	Using the CompareValidator & RangeValidator Control
lesson 4	Using the CheckBoxList Control
lesson 5	Working with ListItem Elements
lesson 6	Working with ListItem Elements
lesson 7	Using Advanced Web Server Controls
lesson 8	Making Use of the FileUpload Control
lesson 9	Working with User Controls
lesson 10	Putting User-Control Properties to Work

HTML Basics for ASP.NET

Section IV - HTML Basics for ASP.NET

lesson 1	XHTML and the W3C
lesson 2	Editing Code in Source View
lesson 3	Editing Pages in Design View
lesson 4	Establishing a position in Design view
lesson 5	Viewing an HTML document's structure
lesson 6	Formatting Text
lesson 7	Creating Tables, Adding headers, a caption, and a summary
lesson 8	Creating Tables in the Designers, The ASP.NET table tool
lesson 9	Creating Tables Programmatically
lesson 10	Building an ASP.NET table from scratch
lesson 11	Creating a Table-Based Framework

Working with Forms

Section V - Working with Forms

lesson 1	Creating a Form
lesson 2	Repeating a Certain Number of Times (Java for Statements)
lesson 3	Creating text fields with <input> & Creating a password text box
lesson 4	Creating a submit button, reset button, image button
lesson 5	Working with Check Boxes and Radio Buttons
lesson 6	Using Drop-Down Lists and List Boxes
lesson 7	Checking Form Submissions with ASP.NET

Using Styles and Style Sheets

Section VI - Using Styles and Style Sheets

lesson 1	Cascading Style Sheets
lesson 2	Style selectors and other syntax
lesson 3	Setting the CSS validation schema
lesson 4	Creating inline styles in Design view, Source view
lesson 5	Building external style sheets
lesson 6	Using Advanced Span and Div for Styles and Positions
lesson 7	Inserting embedded styles with code

Client-Side Scripting

Section VII - Client-Side Scripting

lesson 1	Sampling Client-Side Script on Microsoft.com
lesson 2	Compensating for browser differences
lesson 3	Embedding multimedia content
lesson 4	Tracking page views and statistics
lesson 5	Making the page interactive

lesson 6	Creating random content and surveys
lesson 7	Embedding Script in an ASP.NET Page

Advanced Client-Side Scripting

Section VIII - Advanced Client-Side Scripting

lesson 1	Inserting a hidden field into a page
lesson 2	Embedding code so that it executes on startup
lesson 3	Embedding code to catch a page submit
lesson 4	Storing an array of values in a page
lesson 5	Using alert() to stop users cold
lesson 6	confirm() a drastic action
lesson 7	Creating a rollover effect
lesson 8	Client-Side Script and Validation Controls
lesson 9	Building the server-side algorithm
lesson 10	Implementing ICallbackEventHandler

Advanced ASP.NET Programming

Section IX - Advanced ASP.NET Programming

lesson 1	Security: Using Login Controls
lesson 2	Understanding Authentication and Authorization
lesson 3	Implementing Forms Authentication
lesson 4	Implementing membership features
lesson 5	Creating users, Creating access rules for the pages
lesson 6	Using the Login control, LoginName control, LoginStatus control
lesson 7	Assigning users to roles
lesson 8	Giving permissions to a role
lesson 9	Peering into the Application Programming Interface (API)
lesson 10	Using the Membership and MembershipUser classes

Profile Database

Section X - Profile database

lesson 1	Building the Profile-Based Web Page
lesson 2	Generating the database
lesson 3	Adding code to retrieve profile values
lesson 4	Storing the language choice, image choice, background color in the profile
lesson 5	Using Profiles with Authenticated Users
lesson 6	Maintaining the Profiles Database

Site Navigation

Section XI - Site Navigation

lesson 1	Understanding Site Navigation
lesson 2	Creating the Web.sitemap file & Adding data to the sitemap file
lesson 3	Using the TreeView Control
lesson 4	Using the Menu Control
lesson 5	Using the SiteMapPath Control
lesson 6	Working with Themes
lesson 7	Creating an Opening Theme, Letting Users Choose a Theme
lesson 8	Applying a Theme Programmatically
lesson 9	Shifting Definitions to Styles & Overriding Themes and Who's the Boss

Building Portals with Web Parts

Section XII - Building Portals with Web Parts

lesson 1	Understanding Portals
lesson 2	Web parts infrastructure elements
lesson 3	Creating a Simple Web Part
lesson 4	Letting the User Move Web Parts Around

lesson 5	Connecting Web Parts Dynamically
lesson 6	Letting Users Select Their Web Parts
lesson 7	Creating and Consuming Web Services