



## 2014 Ohio Lottery IT External Training Classes

Class Name	Class Syllabus	Duration	Number of Classes
Programming in Visual Basic with Microsoft Visual Studio 2010	<ul style="list-style-type: none"> <li>1 - Introducing Visual Basic and the .NET Framework               <ul style="list-style-type: none"> <li>■ Introduction to the .NET Framework 4</li> <li>■ Creating Projects Within Visual Studio 2010</li> <li>■ Writing a Visual Basic Application</li> <li>■ Building a Graphical Application</li> <li>■ Documenting an Application</li> <li>■ Debugging Applications by Using Visual Studio 2010</li> <li>■ Lab : Introducing Visual Basic and the .NET Framework</li> </ul> </li>   <li>2 - Using Visual Basic Programming Constructs               <ul style="list-style-type: none"> <li>■ Declaring Variables and Assigning Values</li> <li>■ Using Expressions and Operators</li> <li>■ Creating and Using Arrays</li> <li>■ Using Decision Statements</li> <li>■ Using Iteration Statements</li> <li>■ Lab : Using Visual Basic Programming Constructs</li> </ul> </li>   <li>3 - Declaring and Calling Methods               <ul style="list-style-type: none"> <li>■ Defining and Invoking Methods</li> <li>■ Specifying Optional Parameters and ByRef Parameters</li> <li>■ Lab : Declaring and Calling Methods</li> </ul> </li>   <li>4 - Handling Exceptions               <ul style="list-style-type: none"> <li>■ Handling Exceptions</li> <li>■ Raising Exceptions</li> <li>■ Lab : Handling Exceptions</li> </ul> </li>   <li>5 - Reading and Writing Files               <ul style="list-style-type: none"> <li>■ Accessing the File System</li> <li>■ Reading and Writing Files by Using Streams</li> <li>■ Lab : Reading and Writing Files</li> </ul> </li> </ul>	5 day	1

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	<ul style="list-style-type: none"><li>6 - Creating New Types<ul style="list-style-type: none"><li>■ Creating and Using Modules and Enumerations</li><li>■ Creating and Using Classes</li><li>■ Creating and Using Structures</li><li>■ Comparing References to Values</li><li>■ Lab : Creating New Types</li></ul></li><li>7 - Encapsulating Data and Methods<ul style="list-style-type: none"><li>■ Controlling Visibility of Type Members</li><li>■ Sharing Methods and Data</li><li>■ Lab : Encapsulating Data and Methods</li></ul></li><li>8 - Inheriting from Classes and Implementing Interfaces<ul style="list-style-type: none"><li>■ Using Inheritance to Define New Reference Types</li><li>■ Defining and Implementing Interfaces</li><li>■ Defining Abstract Classes</li><li>■ Lab : Inheriting from Classes and Implementing Interfaces</li></ul></li><li>9 - Managing the Lifetime of Objects and Controlling Resources<ul style="list-style-type: none"><li>■ Introduction to Garbage Collection</li><li>■ Managing Resources</li><li>■ Lab : Managing the Lifetime of Objects and Controlling Resources</li></ul></li><li>10 - Encapsulating Data and Defining Overloaded Operators<ul style="list-style-type: none"><li>■ Creating and Using Properties</li><li>■ Creating and Using Indexers</li><li>■ Overloading Operators</li><li>■ Lab : Creating and Using Properties</li><li>■ Lab : Creating and Using Indexers</li><li>■ Lab : Overloading Operators</li></ul></li><li>11 - Decoupling Methods and Handling Events<ul style="list-style-type: none"><li>■ Declaring and Using Delegates</li><li>■ Using Lambda Expressions</li></ul></li></ul>		
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## 2014 Ohio Lottery IT External Training Classes

	<ul style="list-style-type: none"><li>■ Handling Events</li><li>■ Lab : Decoupling Methods and Handling Events</li></ul> <p>12 - Using Collections and Building Generic Types</p> <ul style="list-style-type: none"><li>■ Using Collections</li><li>■ Creating and Using Generic Types</li><li>■ Defining Generic Interfaces and Understanding Variance</li><li>■ Using Generic Methods and Delegates</li><li>■ Lab : Using Collections</li><li>■ Lab : Building Generic Types</li></ul> <p>13 - Building and Enumerating Custom Collection Classes</p> <ul style="list-style-type: none"><li>■ Implementing a Custom Collection Class</li><li>■ Adding an Enumerator to a Custom Collection Class</li><li>■ Lab : Building and Enumerating Custom Collection Classes</li></ul> <p>14 - Using LINQ to Query Data</p> <ul style="list-style-type: none"><li>■ Using the LINQ Extension Methods and Query Operators</li><li>■ Building Dynamic LINQ Queries and Expressions</li><li>■ Lab : Using LINQ to Query Data</li></ul> <p>15 - Integrating Visual Basic Code with Dynamic Languages and COM Components</p> <ul style="list-style-type: none"><li>■ Integrating Visual Basic Code with Ruby and Python</li><li>■ Accessing COM Components from Visual Basic</li><li>■ Lab : Integrating Visual Basic Code with Dynamic Languages and COM Components</li></ul>		
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## 2014 Ohio Lottery IT External Training Classes

<p>Introduction to Web Development with Microsoft Visual Studio 2010</p>	<ul style="list-style-type: none"> <li>1 - Exploring Microsoft ASP.NET Web Applications in Microsoft Visual Studio 2010               <ul style="list-style-type: none"> <li>■ Introduction to the .NET Framework</li> <li>■ Overview of ASP.NET</li> <li>■ Overview of the Lab Application</li> <li>■ Lab : There are no labs for this module</li> </ul> </li> <li>2 - Creating Web Applications by Using Microsoft Visual Studio 2010 and Microsoft .NET–Based Languages               <ul style="list-style-type: none"> <li>■ Choosing a Programming Language</li> <li>■ Overview of Visual Studio 2010</li> <li>■ Creating a Simple Web Application</li> <li>■ Lab : Creating Web Applications by Using Microsoft Visual Studio 2010 and Microsoft .NET–Based Languages</li> </ul> </li> <li>3 - Creating a Microsoft ASP.NET Web Form               <ul style="list-style-type: none"> <li>■ Creating Web Forms</li> <li>■ Adding and Configuring Server Controls in a Web Form</li> <li>■ Lab : Creating a Microsoft ASP.NET Web Form</li> </ul> </li> <li>4 - Adding Functionality to a Microsoft ASP.NET Web Form               <ul style="list-style-type: none"> <li>■ Working with Code-Behind Files</li> <li>■ Handling Server Control Events</li> <li>■ Creating Classes and Components by Using Visual Studio 2010</li> <li>■ Handling Page Events</li> <li>■ Lab : Adding Functionality to a Microsoft ASP.NET Web Form</li> </ul> </li> <li>5 - Implementing Master Pages and User Controls               <ul style="list-style-type: none"> <li>■ Creating Master Pages</li> <li>■ Adding User Controls to an ASP.NET Web Form</li> <li>■ Lab : Implementing Master Pages and User Controls</li> </ul> </li> <li>6 - Validating User Input               <ul style="list-style-type: none"> <li>■ Overview of User Input Validation</li> </ul> </li> </ul>	<p>5 day</p>	<p>2</p>
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## 2014 Ohio Lottery IT External Training Classes

	<ul style="list-style-type: none"> <li>■ ASP.NET Validation Controls</li> <li>■ Validating Web Forms</li> <li>■ Lab : Validating User Input</li> </ul> <p>7 - Troubleshooting Microsoft ASP.NET Web Applications</p> <ul style="list-style-type: none"> <li>■ Debugging in ASP.NET</li> <li>■ Tracing in ASP.NET</li> <li>■ Lab : Debugging Microsoft ASP.NET Web Applications</li> </ul> <p>8 - Managing Data in an Microsoft ASP.NET 4.0 Web Application</p> <ul style="list-style-type: none"> <li>■ Overview of ADO.NET</li> <li>■ Connecting to a Database</li> <li>■ Managing Data</li> <li>■ Lab : Managing Data in an ASP.NET 4.0 Web Application</li> </ul> <p>9 - Managing Data Access Tasks by Using LINQ</p> <ul style="list-style-type: none"> <li>■ Overview of LINQ</li> <li>■ Managing XML Data by Using LINQ to XML</li> <li>■ Managing SQL Data by Using LINQ to SQL and LINQ to Entities</li> <li>■ Lab : Managing Data Access Tasks by Using LINQ</li> </ul> <p>10 - Managing Data by Using Microsoft ASP.NET Dynamic Data</p> <ul style="list-style-type: none"> <li>■ Overview of ASP.NET Dynamic Data</li> <li>■ Applying ASP.NET Dynamic Data</li> <li>■ Customizing ASP.NET Dynamic Data Applications</li> <li>■ Lab : Managing Data by Using ASP.NET Dynamic Data</li> </ul> <p>11 - Creating a Microsoft ASP.NET Ajax-enabled Web Forms Application</p> <ul style="list-style-type: none"> <li>■ Introduction to Ajax</li> <li>■ Creating an ASP.NET Ajax Application by Using the Ajax Features for ASP.NET</li> <li>■ Extending an ASP.NET Web Forms Application by Using the Ajax Control Toolkit</li> <li>■ Lab : Creating a Microsoft ASP.NET Ajax-Enabled Web Forms Application</li> </ul> <p>12 - Consuming Microsoft Windows Communication Foundation Services</p>		
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## 2014 Ohio Lottery IT External Training Classes

	<ul style="list-style-type: none"> <li>■ Overview of Windows Communication Foundation Services</li> <li>■ Calling Windows Communication Foundation Services</li> <li>■ Working with WCF Data Services</li> <li>■ Lab : Consuming Windows Communication Foundation Services</li> </ul> <p>13 - Managing State in Web Applications</p> <ul style="list-style-type: none"> <li>■ State Management</li> <li>■ ASP.NET Profiles</li> <li>■ ASP.NET Caching</li> <li>■ Lab : Managing State in Web Applications</li> </ul> <p>14 - Configuring and Deploying a Microsoft ASP.NET Web Application</p> <ul style="list-style-type: none"> <li>■ Configuring an ASP.NET Web Application</li> <li>■ Deploying an ASP.NET Web Application</li> <li>■ Lab : Configuring and Deploying a Microsoft ASP.NET Web Application</li> </ul> <p>15 - Securing a Microsoft ASP.NET Web Application</p> <ul style="list-style-type: none"> <li>■ Overview of Web Application Security</li> <li>■ Declaratively Configuring Authentication and Authorization</li> <li>■ Working Programmatically with Authentication and Authorization</li> <li>■ Lab : Securing a Microsoft ASP.NET Web Application</li> </ul> <p>16 - Implementing Advanced Technologies Supported by Microsoft Visual Studio 2010 for Web Development</p> <ul style="list-style-type: none"> <li>■ Working with the ASP.NET MVC 2 Framework</li> <li>■ Working with Silverlight 4</li> <li>■ Lab : Implementing Advanced Technologies Supported by Microsoft Visual Studio 2010 for Web Development</li> </ul>		
<p>Developing Web Applications with Microsoft Visual Studio 2010</p>	<p>1 - Overview of Web Application Design</p> <ul style="list-style-type: none"> <li>■ Overview of IIS 7.0</li> <li>■ Overview of ASP.NET 4.0</li> <li>■ Introduction to the MVC Framework</li> <li>■ Overview of the Request Life Cycle</li> </ul>	<p>5 day</p>	<p>5</p>

## 2014 Ohio Lottery IT External Training Classes

	<ul style="list-style-type: none"> <li>■ Lab : Exploring the Adventure Works Web Site</li>   <li>2 - Designing a Web Application <ul style="list-style-type: none"> <li>■ Web Applications: Case Studies</li> <li>■ Web Application Design Essentials</li> <li>■ Guidelines for Determining When to Use Web Forms and MVC</li> <li>■ Visual Studio 2010 Tools and Technologies for Web Application Design</li> <li>■ Lab : Redesigning the Adventure Works Web site</li> </ul> </li>   <li>3 - Developing MVC Models <ul style="list-style-type: none"> <li>■ Exploring Ways to Create MVC Models</li> <li>■ Creating a Data Repository</li> <li>■ Lab : Developing MVC Models</li> </ul> </li>   <li>4 - Developing MVC Controllers <ul style="list-style-type: none"> <li>■ Implementing MVC Controllers</li> <li>■ Creating Action Methods</li> <li>■ Lab : Developing MVC Controllers</li> </ul> </li>   <li>5 - Developing MVC Views <ul style="list-style-type: none"> <li>■ Implementing MVC Views</li> <li>■ Implementing Strongly-Typed MVC Views</li> <li>■ Implementing Partial MVC Views</li> <li>■ Lab : Developing MVC Views</li> </ul> </li>   <li>6 - Designing for Discoverability <ul style="list-style-type: none"> <li>■ Overview of Search Engine Optimization</li> <li>■ Creating the Robots and Sitemap Files</li> <li>■ Using ASP.NET Routing</li> <li>■ Lab : Designing for Discoverability</li> </ul> </li>   <li>7 - Writing Server-Side Code for Web Forms <ul style="list-style-type: none"> <li>■ Overview of the Structure of a Web Application</li> <li>■ Controlling ViewState</li> </ul> </li> </ul>		
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## 2014 Ohio Lottery IT External Training Classes

	<ul style="list-style-type: none"> <li>■ Localizing a Web Application</li> <li>■ Persisting Data on a Web Forms Page</li> <li>■ Validating User Input</li> <li>■ Lab : Writing Server-Side Code for Web Forms</li> </ul> <p>8 - Optimizing Data Management for Web Forms</p> <ul style="list-style-type: none"> <li>■ Managing Data by Using LINQ to Entities</li> <li>■ Using Data Source Controls</li> <li>■ Using ASP.NET Dynamic Data</li> <li>■ Lab : Optimizing Data Management for Web Forms</li> </ul> <p>9 - Ensuring Quality by Debugging, Unit Testing, and Refactoring</p> <ul style="list-style-type: none"> <li>■ Debugging and Refactoring Code</li> <li>■ Unit Testing Code</li> <li>■ Processing Unhandled Exceptions</li> <li>■ Test Driven Development</li> <li>■ Lab : Debugging, Unit Testing and Refactoring</li> </ul> <p>10 - Securing a Web Application</p> <ul style="list-style-type: none"> <li>■ Configuring Authentication</li> <li>■ Configuring ASP.NET Membership</li> <li>■ Managing Authorization by Using ASP.NET Roles</li> <li>■ Lab : Securing a Web Application</li> </ul> <p>11 - Applying Master Pages and CSS</p> <ul style="list-style-type: none"> <li>■ Applying Master Pages</li> <li>■ Applying CSS, Skins, and Themes</li> <li>■ Lab : Applying Master Pages and CSS</li> </ul> <p>12 - Developing Client Side Scripts and Services</p> <ul style="list-style-type: none"> <li>■ Developing Client-Side Scripts</li> <li>■ Implementing AJAX</li> <li>■ Creating Services</li> <li>■ Lab : Developing Client Side Scripts and Services</li> </ul>		
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## 2014 Ohio Lottery IT External Training Classes

	<ul style="list-style-type: none"> <li>13 - Implementing Advanced AJAX in a Web Application               <ul style="list-style-type: none"> <li>■ Implementing Ajax in ASP.NET MVC Pages Using Microsoft Ajax</li> <li>■ Implementing Ajax in ASP.NET MVC Pages Using jQuery</li> <li>■ Working With jQuery and Ajax Events</li> <li>■ Lab : Implementing Advanced Ajax for the AdventureWorks web application</li> </ul> </li>   <li>14 - Deploying a Web Application               <ul style="list-style-type: none"> <li>■ Overview of Web Application Deployments</li> <li>■ Overview of Web Site Deployments</li> <li>■ Deploying AdventureWorks</li> <li>■ Lab : Deploying AdventureWorks</li> </ul> </li>   <li>15 - Developing a Web Application by Using Silverlight               <ul style="list-style-type: none"> <li>■ Introduction to Rich Internet Applications</li> <li>■ Overview of Silverlight</li> <li>■ Creating a Silverlight Application</li> <li>■ Lab : Developing a Web Application by Using Silverlight</li> </ul> </li> </ul>		
Developing Data Access Solutions with Microsoft Visual Studio 2010	<ul style="list-style-type: none"> <li>1 - Architecture and Data Access Technologies               <ul style="list-style-type: none"> <li>■ Data Access Technologies</li> <li>■ Data Access Scenarios</li> <li>■ Lab : Analyzing Data Access Scenarios</li> </ul> </li>   <li>2 - Building Entity Data Models               <ul style="list-style-type: none"> <li>■ Introduction to Entity Data Models</li> <li>■ Modifying the Entity Data Model</li> <li>■ Customizing the Entity Data Model</li> <li>■ Lab : Using Entity Data Models</li> </ul> </li>   <li>3 - Querying Entity Data               <ul style="list-style-type: none"> <li>■ Retrieving Data by Using LINQ to Entities</li> <li>■ Retrieving Data by Using Entity SQL</li> <li>■ Retrieving Data by Using EntityClient Provider</li> <li>■ Retrieving Data by Using Stored Procedures</li> <li>■ Unit Testing Your Data Access Code</li> </ul> </li> </ul>	5 day	5

## 2014 Ohio Lottery IT External Training Classes

	<ul style="list-style-type: none"> <li>■ Lab : Querying Entity Data</li> </ul> <p>4 - Creating, Updating, and Deleting Entity Data</p> <ul style="list-style-type: none"> <li>■ Understanding Change Tracking in the Entity Framework</li> <li>■ Modifying Data in an Entity Data Model</li> <li>■ Lab : Creating, Updating, and Deleting Entity Data</li> </ul> <p>5 - Handling Multi-User Scenarios by Using Object Services</p> <ul style="list-style-type: none"> <li>■ Handling Concurrency in the Entity Framework</li> <li>■ Transactional Support in the Entity Framework</li> <li>■ Lab : Handling Multi-User Scenarios by Using Object Services</li> </ul> <p>6 - Building Optimized Solutions by Using Object Services</p> <ul style="list-style-type: none"> <li>■ The Stages of Query Execution</li> <li>■ Change Tracking and Object Materialization</li> <li>■ Using Compiled Queries</li> <li>■ Using Design-Time Generated Entity Framework Views</li> <li>■ Monitoring Performance</li> <li>■ Performing Asynchronous Data Modifications</li> <li>■ Lab : Building Optimized Solutions by Using Object Services</li> </ul> <p>7 - Customizing Entities and Building Custom Entity Classes</p> <ul style="list-style-type: none"> <li>■ Overriding Generated Classes</li> <li>■ Using Templates to Customize Entities</li> <li>■ Creating and Using Custom Entity Classes</li> <li>■ Lab : Customizing Entities and Building Custom Entity Classes</li> </ul> <p>8 - Using POCO Classes with the Entity Framework</p> <ul style="list-style-type: none"> <li>■ Requirements for POCO Classes</li> <li>■ POCO Classes and Lazy Loading</li> <li>■ POCO Classes and Change Tracking</li> <li>■ Extending Entity Types</li> <li>■ Lab : Using POCO Classes with the Entity Framework</li> </ul>		
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## 2014 Ohio Lottery IT External Training Classes

	<p>9 - Building an N-Tier Solution by Using the Entity Framework</p> <ul style="list-style-type: none"> <li>■ Designing an N-Tier Solution</li> <li>■ Defining Operations and Implementing Data Transport Structures</li> <li>■ Protecting Data and Operations</li> <li>■ Lab : Building an N-Tier Solution by Using the Entity Framework</li> </ul> <p>10 - Handling Updates in an N-Tier Solution by Using the Entity Framework</p> <ul style="list-style-type: none"> <li>■ Tracking Entities and Persisting Changes</li> <li>■ Managing Exceptions in an N-Tier Solution</li> <li>■ Lab : Handling Updates in an N-Tier Solution by Using the Entity Framework</li> </ul> <p>11 - Building Occasionally Connected Solutions</p> <ul style="list-style-type: none"> <li>■ Offline Data Caching by Using XML</li> <li>■ Using the Sync Framework</li> <li>■ Lab : Building Occasionally Connected Solutions</li> </ul> <p>12 - Querying Data by Using WCF Data Services</p> <ul style="list-style-type: none"> <li>■ Introduction to WCF Data Services</li> <li>■ Creating a WCF Data Service</li> <li>■ Consuming a WCF Data Service</li> <li>■ Protecting Data and Operations in a WCF Data Service</li> <li>■ Lab : Creating and Using WCF Data Services</li> </ul> <p>13 - Updating Data by Using WCF Data Services</p> <ul style="list-style-type: none"> <li>■ Creating, Updating, and Deleting Data in a WCF Data Service</li> <li>■ Preventing Unauthorized Updates and Improving Performance</li> <li>■ Using WCF Data Services with Nonrelational Data</li> <li>■ Lab : Updating Data by Using WCF Data Services</li> </ul> <p>14 - Using ADO.NET</p> <ul style="list-style-type: none"> <li>■ Retrieving and Modifying Data by Using ADO.NET Commands</li> <li>■ Retrieving and Modifying Data by Using DataSets</li> <li>■ Managing Transactions and Concurrency in Multiuser Scenarios</li> </ul>		
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## 2014 Ohio Lottery IT External Training Classes

	<ul style="list-style-type: none"> <li>■ Lab : Using ADO.NET</li> <li>15 - Using LINQ to SQL</li> <li>■ Implementing a Logical Data Model by Using LINQ to SQL</li> <li>■ Managing Performance and Handling Concurrency</li> <li>■ Lab : Using LINQ to SQL</li> </ul>		
<p>Project Management Professional (PMP) Bootcamp</p>	<ul style="list-style-type: none"> <li>1 - Introduction</li> <li>■ Course Objectives</li> <li>■ Logistics</li> <li>■ Class Context</li>   <li>2 - PMP Certification Test Preparation</li> <li>■ PMP® and CAPM® Exam Requirements</li> <li>■ Benefits of PMP®</li> <li>■ Overview of Test</li> <li>■ Review of Test-taking Strategies</li> <li>■ Practice Test</li> <li>■ Introduction</li> <li>■ Exam Questions</li> <li>■ Maintaining Certification</li> <li>■ Exam-Taking Tips</li> <li>■ Assessment Quiz</li>   <li>3 - PM Foundations</li> <li>■ PM Definitions</li> <li>■ Project Life Cycle vs. Project Management Life Cycle</li> <li>■ Organizational Structure</li> <li>■ Practice Test</li>   <li>4 - PM Process Group and Knowledge Areas</li> <li>■ PM Process Groups</li> <li>■ PM Knowledge Areas</li> <li>■ Input, Tools &amp; Techniques</li> <li>■ PM Definitions</li> <li>■ Project Life Cycle vs. Project Management Life Cycle</li> </ul>	5 Day	5

## 2014 Ohio Lottery IT External Training Classes

	<ul style="list-style-type: none"> <li>■ Organizational Structure</li> <li>■ Practice Test</li> </ul> <p>5 - Project Integration Management</p> <ul style="list-style-type: none"> <li>■ Overview of Project Integration</li> <li>■ Develop Project Charter</li> <li>■ Develop Preliminary Project Scope Statement</li> <li>■ Develop Project Management Plan</li> <li>■ Direct and Manage Project Execution</li> <li>■ Monitor and Control Project Work</li> <li>■ Integrated Change Control</li> <li>■ Close Project</li> <li>■ Summary Exercise</li> <li>■ Practice Test</li> </ul> <p>6 - Project Scope Management</p> <ul style="list-style-type: none"> <li>■ Overview of Project Scope Management</li> <li>■ Scope Planning</li> <li>■ Scope Definition</li> <li>■ Create WBS</li> <li>■ Scope Verification</li> <li>■ Scope Control</li> <li>■ Summary Exercise</li> <li>■ Practice Test</li> </ul> <p>7 - Project Time Management</p> <ul style="list-style-type: none"> <li>■ Overview of Project Time Management</li> <li>■ Activity Definition</li> <li>■ Activity Sequencing</li> <li>■ Activity Resource Estimating</li> <li>■ Activity Duration Estimating</li> <li>■ Schedule Development</li> <li>■ Schedule Control</li> <li>■ Summary Exercise</li> </ul>		
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## 2014 Ohio Lottery IT External Training Classes

	<ul style="list-style-type: none"> <li>■ Practice Exercises</li> <li>■ Practice Test</li> </ul> <p>8 - Project Cost Management</p> <ul style="list-style-type: none"> <li>■ Overview of Project Cost Management</li> <li>■ Cost Estimating</li> <li>■ Cost Budgeting</li> <li>■ Cost Control</li> <li>■ Summary Exercise</li> <li>■ Practice Exercises</li> <li>■ Practice Test</li> <li>■ Review Game</li> </ul> <p>9 - Project Quality Management</p> <ul style="list-style-type: none"> <li>■ Overview of Project Quality Management</li> <li>■ Quality Planning</li> <li>■ Perform Quality Assurance</li> <li>■ Perform Quality Control</li> <li>■ Summary Exercise</li> <li>■ Practice Test</li> </ul> <p>10 - Project Human Resource Management</p> <ul style="list-style-type: none"> <li>■ Overview of Project Human Resource Management</li> <li>■ Human Resource Planning</li> <li>■ Acquire Project Team</li> <li>■ Develop Project Team</li> <li>■ Manage Project Team</li> <li>■ Summary Exercise</li> <li>■ Practice Test</li> </ul> <p>11 - Project Communication Management</p> <ul style="list-style-type: none"> <li>■ Overview of Project Communication Management</li> <li>■ Communications Planning</li> <li>■ Information Distribution</li> </ul>		
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**2014 Ohio Lottery IT External Training Classes**

	<ul style="list-style-type: none"> <li>■ Performance Reporting</li> <li>■ Manage Stakeholders</li> <li>■ Summary Exercise</li> <li>■ Practice Test</li> </ul> <p>12 - Project Risk Management</p> <ul style="list-style-type: none"> <li>■ Overview of Project Risk Management</li> <li>■ Risk Management Planning</li> <li>■ Risk Identification</li> <li>■ Qualitative Risk Analysis</li> <li>■ Quantitative Risk Analysis</li> <li>■ Risk Response Planning</li> <li>■ Risk Monitoring and Control</li> <li>■ Summary Exercise</li> <li>■ Practice Test</li> </ul> <p>13 - Project Procurement Management</p> <ul style="list-style-type: none"> <li>■ Introduction</li> <li>■ Overview of Project Procurement Management</li> <li>■ Plan Purchases and Acquisitions</li> <li>■ Plan Contracting</li> <li>■ Request Seller Responses</li> <li>■ Select Seller</li> <li>■ Contract Administration</li> <li>■ Contract Closure</li> <li>■ Summary Exercise</li> <li>■ Practice Test</li> </ul> <p>14 - Professional Responsibility</p> <ul style="list-style-type: none"> <li>■ Overview</li> <li>■ The Meaning of Professional Responsibility</li> <li>■ Review</li> <li>■ Review Game</li> </ul>		
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## 2014 Ohio Lottery IT External Training Classes

<p>Configuring and Administering Microsoft SharePoint 2010</p>	<p>1 - Introducing Microsoft SharePoint 2010          ■ Evaluating the Features of Microsoft SharePoint 2010          ■ Preparing for SharePoint 2010          ■ Installing SharePoint 2010          ■ Advanced Installation of SharePoint 2010          ■ Lab : Installing SharePoint 2010</p> <p>2 - Creating a SharePoint 2010 Intranet          ■ Performing Initial Farm Configuration          ■ Configuring the SharePoint Logical Structure          ■ Exploring the SharePoint Web Application and Physical Architecture          ■ Lab : Creating a SharePoint 2010 Intranet</p> <p>3 - Administering and Automating SharePoint          ■ Configuring Central Administration          ■ Administering SharePoint from the Command Line          ■ Automating SharePoint Operations with Windows PowerShell          ■ Lab : Automating SharePoint with Windows PowerShell</p> <p>4 - Configuring Content Management          ■ Optimizing Content Storage and Access          ■ Managing Site Content Types and Site Columns          ■ Configuring the Managed Metadata Service          ■ Lab : Lab A: Configuring List Throttling and Remote BLOB Storage          ■ Lab : Lab B: Configuring Managed Metadata</p> <p>5 - Configuring Authentication          ■ Understanding Classic SharePoint Authentication Providers          ■ Understanding Federated Authentication          ■ Lab : Lab A: Configuring Custom Authentication          ■ Lab : Lab B: Configuring Secure Store</p>	<p>5 day</p>	<p>1</p>
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**2014 Ohio Lottery IT External Training Classes**

	<p>6 - Securing Content</p> <ul style="list-style-type: none"> <li>■ Administering SharePoint Groups</li> <li>■ Implementing SharePoint Roles and Role Assignments</li> <li>■ Securing and Auditing SharePoint Content</li> <li>■ Configuring Security for SharePoint Content</li> <li>■ Lab : Configuring Security for SharePoint Content</li> </ul> <p>7 - Managing SharePoint Customizations</p> <ul style="list-style-type: none"> <li>■ Customizing Microsoft SharePoint</li> <li>■ Deploying and Managing Features and Solutions</li> <li>■ Configuring Sandboxed Solutions</li> <li>■ Lab : Lab A: Administering Features and Solutions</li> <li>■ Lab : Lab B: Administering Sandboxed Solutions</li> </ul> <p>8 - Configuring and Securing SharePoint Services and Service Applications</p> <ul style="list-style-type: none"> <li>■ Securing the Enterprise SharePoint Service</li> <li>■ Securing and Isolating Web Applications</li> <li>■ Services and Service Applications</li> <li>■ Lab : Lab A: Administering SharePoint Services</li> <li>■ Lab : Lab B: Configuring Application Security</li> <li>■ Lab : Lab C: Configuring Service Applications</li> </ul> <p>9 - User Profiles and Social Networking</p> <ul style="list-style-type: none"> <li>■ Configuring User Profiles</li> <li>■ Implementing SharePoint 2010 Social Networking Features</li> <li>■ Lab : Lab A: Configuring User Profiles</li> <li>■ Lab : Lab B: Administering My Sites</li> </ul> <p>10 - Administering and Configuring SharePoint Search</p> <ul style="list-style-type: none"> <li>■ Configuring Search</li> <li>■ Refining Search</li> <li>■ Lab : Lab A: Configuring Search</li> <li>■ Lab : Lab B: Tuning SharePoint Search</li> </ul>		
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**2014 Ohio Lottery IT External Training Classes**

	<p>11 - Implementing Productivity Service Applications</p> <ul style="list-style-type: none"> <li>■ Implementing Business Connectivity Services</li> <li>■ Configuring Excel Services</li> <li>■ Understanding PerformancePoint Services</li> <li>■ Implementing InfoPath Forms Services</li> <li>■ Implementing Visio Services Features</li> <li>■ Implementing Access Services</li> <li>■ Implementing Office Web Apps</li> <li>■ Lab : Implementing Office Web Apps</li> </ul> <p>12 - Installing and Upgrading to SharePoint 2010</p> <ul style="list-style-type: none"> <li>■ Installing SharePoint Servers and Farms</li> <li>■ Upgrading to SharePoint 2010</li> <li>■ Evaluating Installations and Upgrades</li> <li>■ Configuring SharePoint Operational Settings</li> <li>■ Updating SharePoint</li> <li>■ Lab : Lab A: Preparing SharePoint 2007 for Upgrade to SharePoint 2010</li> <li>■ Lab : Lab B: Upgrading SharePoint 2007 to SharePoint 2010</li> </ul> <p>13 - Implementing Business Continuity</p> <ul style="list-style-type: none"> <li>■ Protecting and Recovering Content</li> <li>■ Working with Backup and Restore for Disaster Recovery</li> <li>■ Implementing High Availability Solutions</li> <li>■ Lab : Lab A: Implementing a Backup Strategy</li> <li>■ Lab : Lab B: Implementing a Restore Strategy</li> </ul>		
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## 2014 Ohio Lottery IT External Training Classes

<p>14 - Monitoring and Optimizing SharePoint Performance</p> <ul style="list-style-type: none"> <li>■ Monitoring Logs</li> <li>■ Configuring SharePoint Health Analyzer</li> <li>■ Configuring Usage Reports and Web Analytics</li> <li>■ Monitoring and Optimizing SharePoint Performance</li> <li>■ Lab : Lab A: Configuring SharePoint Monitoring</li> <li>■ Lab : Lab B: Analyzing SharePoint Health</li> <li>■ Lab : Lab C: Reporting SharePoint Usage</li> </ul> <p>15 - SharePoint Online and Office 365</p> <ul style="list-style-type: none"> <li>■ Introducing Office 365 and SharePoint Online</li> <li>■ Setting Up Office 365</li> <li>■ Administering SharePoint Online</li> </ul>		
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- All Classes must be taught in a central location within the greater Cleveland area.
- Class schedule must be flexible all classes must be offered at least 3 times in a calendar year
- Quote should be based on a cost per class credit (there are 80 credits in the schedule above) and which can be applied to other classes offered by vendor
- Credits should be valid for 18 months from the time of purchase