Microsoft .NET Short Courses based upon Visual Basic .NET

Axian
Software Consulting and Training

AXIAN'S MICROSOFT .NET ESSENTIALS SHORT COURSES & TRAINING PATHWAY WITH A VISUAL BASIC .NET EMPHASIS

.NET XML Web Services Essentials using Visual Basic .NET (2 Days)

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ASP.NET Essentials using Visual Basic .NET (2 Days)

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Visual Basic .NET Database and ADO.NET Essentials (2 Days)

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Visual Basic .NET Essentials (2 Days)

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Microsoft .NET Development Environment Essentials (1 Day)
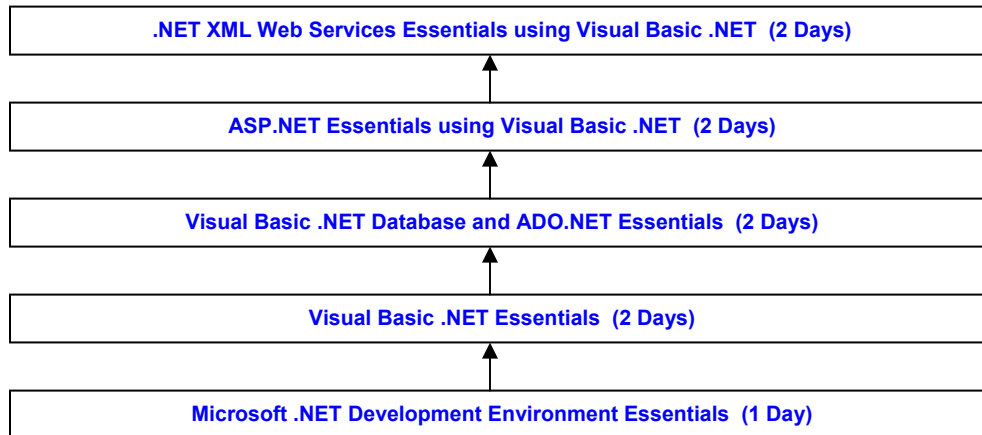
AXIAN'S APPROACH TO SHORT COURSE FORMATS: EFFICIENT, SMARTER, LEANER, INEXPENSIVE

Axian's Microsoft .NET Essentials Short Courses are fast-start and fast-paced tours through the various subjects and topics in the Microsoft .NET realm. The focus, design, and modularization of these Short Courses will benefit developers, programmers, or anyone wanting to quickly get into the Microsoft .NET Development arena smoothly, efficiently, intelligently, and with as minimal cost and time burden as possible. With Axian's Short Course and modular approach to training, each student can better decide what courses to take, where and when to begin training, and how much training to take based upon their own goals and needs. This approach can help better keep the training and learning experience shorter and closer to a student's training goals – more than most any other Microsoft-branded or traditional course format can offer.

Microsoft-branded and traditional technical training formats typically follow the 50/50 rule for course-time utilization: 50% instructor lecture and presentation time, and 50% lab and exercise time for the student. A standard 5-day (40 hour) Microsoft developer class allocates about 2.5 days (20 hours) for a student to type code into an editor, and repeat or extend lab and exercise examples presented in a book or student training kit. If a typical 5-day Microsoft-branded course costs the student around $2000, then half of the money ($1000) is budgeted by the design of the course for students to type labs and exercises into code editors. Also, most students utilize lab and exercise time at different speeds and capacities. Some students finish their labs early and wait around for the others to finish. Some students never finish their labs and feel or get behind. Other students skip labs, browse the web, take long lunches, or play Solitaire. To better level the differences in the amount of time students need for labs and exercises, Axian's Short Courses are designed to optimize lecture and lab time, and make it more efficient for a student's training and learning experience. Axian Short Courses focus more on the instructor lecture, presentation, and demonstration time, and less on a student typing code into an editor. Lab and exercise time is still a part of Axian's Short Course formats, but it is concentrated and better scheduled during the training day to allow the best use of time in a shorter training format.

The central themes, topics, and outlines of the various Axian Microsoft .NET Short Courses emphasize the needs and core pieces of the technologies, primarily aimed at giving a student a good first view, easy-to-grasp understandings, and a fast-start to really begin using it. Less time is spent on deep theory, long-winded discussions, histories of past technologies, how Bill Gates became a billionaire, or the many tangents and side-roads that traditional training formats often employ and use to fill a 3 to 5 day class. In the Axian Short Course format, a student gets the basics and the need-to-know. A student finishes an Axian Short Course with the building blocks and nuggets of understanding to start doing real things with the learned technologies right away, not with a bunch of fluff and stuffing. Axian's Short Courses are designed to re-invent and optimize technical training, so that any student can have a more meaningful, richer, leaner, less tiresome, and inexpensive option to pursue and training experience to enjoy.

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SUMMARY OVERVIEW OF AXIAN'S MICROSOFT .NET SHORT COURSES

Microsoft .NET Development Environment Essentials: A one-day seminar and hands-on workshop for developers and anyone new to the Microsoft .NET Development Environment (Visual Studio .NET). This course will focus on methods and strategies to successfully build a Microsoft .NET computer (using Windows XP Professional Edition), and adding useful tools, server components, and services (IIS and SQL Server) to complement the development environment. Each student will have a computer to build and customize their own environment. After the core installation and configuration is completed, the course continues into the fundamentals of using and navigating Microsoft's Visual Studio .NET, then how to implement source code control with Visual SourceSafe, and understanding simple application creation, distribution, and deployment methods and requirements using both Visual Basic .NET and Visual C#.NET.

Visual Basic .NET Essentials: For Windows Developers wanting a fast start and tour through the Visual Basic .NET Environment. The course quickly explores and demonstrates the fundamental concepts and essential building blocks needed to successfully understand and build Visual Basic .NET programs. The overall goal of this short course is to have the student understand and experience the core essentials of what Visual Basic .NET is all about.

Visual Basic .NET Database and ADO.NET Essentials: For Windows and Database Developers needing to quickly learn, experience, and leverage the core essentials of Microsoft Databases and Microsoft ADO.NET technologies. Developers using Microsoft Access or SQL Server will learn how the .NET Environment can tap into their databases, as well as understand how the ADO.NET technologies can be used for any .NET Technology, including ASP.NET and XML Web Services. The code examples and syntax for the course will be based on and presented in Visual Basic .NET, although anyone with a solid Visual C# .NET understanding could benefit as well.

ASP.NET Essentials using Visual Basic .NET: For Web Developers needing a fast introduction and start into the core concepts of the ASP.NET Technologies. Web forms, accessing and binding data, server controls, web services, tracing and debugging, high-performance caching attributes, and ASP.NET deployment will be explored. Also, configuration and state management improvements, and better security and reliability will be discussed as part of the essential ASP.NET concepts.

.NET XML Web Services Essentials using Visual Basic .NET: For Developers and Programmers who want to learn, create, implement, and use XML Web Services via the Microsoft .NET Framework. This course serves as a starting point to understand the fundamentals and key points of what XML Web Services are all about, and how Microsoft Visual Studio .NET and the Microsoft .NET Framework can be used to leverage some of the powers of XML Web Services.

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SUMMARY OVERVIEW OF OTHER PLANNED AND FUTURE AXIAN MICROSOFT .NET SHORT COURSES

Visual Basic .NET Object-Oriented Programming Essentials: For Visual Basic .NET Developers who want to learn and effectively use object-oriented programming techniques. Developers who understand and can properly employ object-oriented principles will be the strongest and most versatile .NET developers.

Coding Techniques for Visual Basic .NET: This course covers essentials of object-oriented programming in Visual Basic .NET and explains how to build classes and work with the .NET Framework classes, how to work with arrays and collections, and how to debug and handle errors in programs. It also covers working with .NET assemblies, files, and data streams, monitoring files over a network, and Web services. The course will focus on fully functional programs that use several dimensions of the language and explain how they interact in real programs. Designed for the beginning, self-taught, or even experienced programmers who are switching to Microsoft Visual Basic.Net from other languages, this course provides insights on the innovative Visual Basic.Net language, it's integrated development environment (IDE), increased support for XML, and new functionality such as the disconnected ADO.NET, ASP.NET and the new Web Services.

Building Web Solutions with ASP.NET and ADO.NET: Most Web applications follow a simple "3F" pattern: fetch, format, and forward to the browser. With this course, you'll take your ASP.NET and ADO.NET skills to the next level and learn key techniques to develop more complex Web applications. Discover how to build applications for ad-hoc and effective Web reporting, applications that work disconnected from the data source and use XML to communicate with non-.NET systems, and general-purpose applications that take advantage of the data abstraction of ADO.NET. Along the way, you'll learn how to take advantage of code reusability, user controls, code-behind, custom Web controls, and other time-saving techniques employed by ASP.NET experts.

Visual Basic .NET Security: TBA