



MICROSOFT TRAINING

Systems Development Course

Master Microsoft Systems Development to build robust applications. Learn C#, .NET, and SQL Server for enterprise solutions.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

-
- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

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COURSE OVERVIEW

This intermediate Microsoft Systems Development Course provides a focused exploration into the essential practices and tools for building robust applications within the Microsoft ecosystem. Designed for individuals with foundational programming knowledge, this accelerated 2-hour course will introduce you to the core principles of C# programming, leveraging the powerful capabilities of Visual Studio and the .NET framework. You will learn to structure application logic, manage data, and apply debugging techniques crucial for efficient system development.

By completing this course, participants will gain a practical understanding of how to kickstart development using industry-standard Microsoft technologies. You'll develop a clearer insight into the typical workflow of a Microsoft developer, enabling you to contribute to existing projects or begin developing your own small-scale applications more effectively. This course emphasizes hands-on exposure to the integrated development environment, setting a strong foundation for further specialization in areas like web, desktop, or cloud application development.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Foundations of Microsoft Systems Development

- Introduction to the .NET Platform and Ecosystem
- Setting up Your Development Environment: Visual Studio Essentials
- Overview of C# Syntax and Basic Program Structure

02 Module 2: Building Core Application Logic with C#

- Variables, Data Types, and Operators in C#
- Control Flow Statements: Conditionals and Loops
- Introduction to Methods and Functions for Code Organization

03 Module 3: Data Handling and Debugging Fundamentals

- Basic Input/Output Operations (Console Applications)
- Working with Arrays and Collections (Introduction)
- Debugging Techniques in Visual Studio (Breakpoints, Watch Windows)

04 Module 4: Essential Development Practices and Next Steps

- Error Handling with Try-Catch Blocks
- Introduction to Object-Oriented Programming Concepts (Classes, Objects)
- Resources for Continued Learning and Specialization in Microsoft Development

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

> **Junior .NET Application Developer**

- > **Systems Integrator Assistant**
- > **Software Development Apprentice (Microsoft Stack)**

FREQUENTLY ASKED QUESTIONS

Q: What specific prior programming experience is recommended before enrolling in this intermediate Systems Development Course?

This course is designed for individuals who possess a foundational understanding of programming concepts, ideally with exposure to any object-oriented language. Familiarity with basic syntax, variables, data types, control flow (loops, conditionals), and functions is highly beneficial, as this course rapidly progresses into Microsoft-specific development practices rather than teaching absolute beginner programming.

Q: Will this 2-hour course equip me to build complete applications, or what kind of projects can I expect to tackle immediately after completing it?

While this 2-hour course provides a strong foundational understanding of Microsoft's systems development ecosystem, it is designed as an intensive introduction rather than a comprehensive project-building workshop. Upon completion, you will be able to understand and modify existing basic C# .NET code, develop simple console applications, and effectively use Visual Studio for debugging and project setup. It serves as an excellent stepping stone for more advanced courses leading to full application development.

Q: How does this Microsoft Systems Development Course differ from other general programming or web development introductory courses?

This course specifically targets the Microsoft development stack, focusing on C#, the .NET framework, and Visual Studio as the primary tools and technologies. Unlike general programming courses that might use various languages or paradigms, or web development courses that focus solely on front-end or specific web frameworks, this course provides a concentrated overview of the core principles for building robust applications within the Microsoft enterprise environment, applicable to desktop, service, and foundational web back-end logic.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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