



MICROSOFT TRAINING

Microsoft Dynamics 365 Finance Operation Developer Course

Master development for Microsoft Dynamics 365 Finance Operation. Create powerful, customized solutions to drive enterprise efficiency.

DURATION

40 Hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This comprehensive Microsoft Dynamics 365 Finance and Operations Developer course is meticulously designed for IT professionals aiming to master the intricacies of customizing, extending, and integrating D365 F&O solutions. Participants will delve into the core development tools and methodologies, gaining proficiency in the X++ programming language, understanding the Application Object Tree (AOT), and working with advanced features like data entities, number sequences, and security frameworks. The curriculum emphasizes practical, hands-on experience, preparing developers to build robust and scalable solutions that meet complex business requirements.

Upon completion, you will possess the skills to develop custom forms, reports, workflows, and integrations, enhancing the functionality of Dynamics 365 Finance and Operations. This expertise is highly sought after in the enterprise resource planning (ERP) market, opening doors to advanced roles in D365 implementation projects, solution architecture, and system support. Elevate your development capabilities and become an indispensable asset in organizations leveraging Microsoft's powerful business application platform.

Duration	40 Hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Introduction to Dynamics 365 F&O Development Environment

- Overview of Dynamics 365 F&O Architecture
- Setting up Development Environment (Visual Studio, Developer VM)
- Understanding the Application Object Tree (AOT)
- Project Management and Version Control with Azure DevOps

02 Module 2: X++ Programming Fundamentals and Data Access

- X++ Language Syntax and Best Practices
- Object-Oriented Programming (OOP) in X++
- Working with Tables, Fields, and Extended Data Types (EDTs)
- Data Manipulation Language (DML) in X++ (select, insert, update, delete)
- Transactions and Concurrency Control

03 Module 3: Forms, Reports, and User Interface Customization

- Developing and Customizing Forms (Forms, Controls, Data Sources)
- Implementing Business Logic on Forms
- Creating and Modifying Reports using SSRS and Power BI
- Understanding Menu Items and User Experience (UX) Principles

04 Module 4: Data Management and Integrations

- Introduction to Data Entities (CRUD Operations, OData)
- Building and Consuming Custom Data Entities
- Integrating with External Systems using Data Management Framework (DMF)
- Asynchronous Integration Patterns (Logic Apps, Azure Functions)
- API-based Integrations and OAuth Authentication

05 Module 5: Advanced Development Topics

- Implementing Workflows and Business Events

- Security Framework in D365 F&O (Roles, Privileges, Duties)
- Number Sequences and Parameter Management
- Performance Optimization Techniques for X++ Code
- Debugging and Troubleshooting D365 F&O Applications

06 Module 6: Deployment, Lifecycle Services (LCS), and Best Practices

- Understanding Microsoft Dynamics Lifecycle Services (LCS)
- Code Promotion and Deployment Pipelines
- Best Practices for D365 F&O Development and Customization
- Upgrades, Hotfixes, and Servicing Updates
- Introduction to Regression Suite Automation Tool (RSAT)

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Microsoft Dynamics 365 F&O Technical Consultant**
- > **Dynamics 365 F&O Solution Architect (Developer Track)**
- > **Enterprise ERP Customization Specialist**

FREQUENTLY ASKED QUESTIONS

Q: What specific technical skills will I acquire that are directly applicable to D365 F&O customization projects?

This course will equip you with deep expertise in X++ programming, enabling you to develop custom logic, forms, and reports. You'll master working with Data Entities for efficient data import/export and integration, understand how to extend core application functionality, and learn to debug and optimize D365 F&O solutions, making you proficient in tailoring the system to specific business needs.

Q: Is prior experience with ERP systems or other Microsoft technologies required to succeed in this developer course?

While prior exposure to ERP concepts or object-oriented programming (like C# or Java) is beneficial, it's not strictly mandatory. The course is designed for intermediate-level IT professionals and provides a solid foundation in X++ and the D365 F&O development environment. A good understanding of database concepts and general programming logic will significantly aid your learning.

Q: How does this course prepare me for official Microsoft Dynamics 365 F&O certifications, and which ones are most relevant?

This course directly aligns with the objectives for the Microsoft Certified: Dynamics 365: Finance and Operations Apps Developer Associate certification. The curriculum covers key development areas tested in the MB-500 exam, including designing and developing solutions, implementing integrations, and performing testing. Successful completion will provide a strong foundation and practical skills needed to pursue this and other advanced D365 F&O technical certifications.

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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