

# MB-500T00: Microsoft Dynamics 365: Finance and Operations Apps Developer

**Course Duration: 40 Hours**

**Course code: MB-500T00**

## 1. Course Overview

The MB-500T00: Microsoft Dynamics 365: Finance and Operations Apps Developer course is designed to equip developers with the knowledge and skills required to customize, extend, and implement solutions within Dynamics 365 Finance and Operations apps. This course covers core development tools, techniques, and best practices to ensure efficient, scalable, and maintainable applications.

## 2. What you'll learn?

By the end of this course, you will be able to:

- Develop extensions and customizations for Dynamics 365 Finance and Operations apps.
- Implement and deploy business logic using X++ and other platform tools.
- Work with data entities, tables, and queries efficiently.
- Create forms, reports, and dashboards to meet business requirements.
- Understand integration techniques and handle event-driven programming.
- Apply best practices for performance optimization and code management.

## 3. Target Audience

This course is ideal for:

- Dynamics 365 developers seeking to enhance their skills.
- Technical consultants involved in implementing Finance and Operations solutions.

- Solution architects who need to understand development capabilities of the platform.

## 4. Pre-Requisites

Learners should have:

- Basic knowledge of Dynamics 365 Finance and Operations modules.
- Understanding of object-oriented programming concepts.
- Familiarity with Microsoft Visual Studio and SQL Server.
- Experience with C# or similar programming languages is helpful.

## 5. Course content

**Module 1: Introduction to Dynamics 365 Finance and Operations Development**

**Module 2: Core Development Tools and Environment Setup**

**Module 3: Data Model and Entity Framework**

**Module 4: X++ Programming and Business Logic Implementation**

**Module 5: Forms, Reports, and UI Customizations**

**Module 6: Workflows, Batch Jobs, and Integration Techniques**

**Module 7: Security, Performance Optimization, and Best Practices**

**Module 8: Testing, Debugging, and Deployment Strategies**

**Module 9: Case Studies and Hands-on Projects**