

Microsoft Dynamics 365

The Complete Business Computing Solution



MB – 500

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

Overview

As a candidate for this certification, you're a developer who works with finance and operations apps in Microsoft Dynamics 365 to implement and extend applications that meet the requirements of a business.

You provide fully realized solutions by using:

- Standardized application coding patterns
- Extensible features
- External integrations

As a candidate for this certification, you do the following:

- Develop business logic by using X++.
- Create and modify finance and operations app reports and workspaces.
- Customize the UI.
- Provide endpoints and APIs to support Microsoft Power Platform apps and external systems.
- Perform testing.
- Monitor performance.
- Analyze and manipulate data.

- Manage implementations by using application lifecycle management (ALM).

You also create technical designs and implementation details and implement permission policies and security requirements.

You should have a deep knowledge and experience using the underlying framework, data structures, and objects associated with the finance and operations solutions.

You should have experience with products and services that include Microsoft Visual Studio, Azure, Dataverse, Power Platform Admin Center, Power Apps, Power Automate, Azure DevOps, Lifecycle Services tools, Postman, GitHub, Microsoft 365, reporting tools (for example, SQL Server Reporting Services [SSRS], Power BI), and SQL Server Management Studio.

Prerequisites

Recommended

- [MB-920T00: Microsoft Dynamics 365 Fundamentals \(ERP\)](#)

Audience Profile

Candidates for this course are functional consultants who implement core application setup processes for small and medium businesses. They implement and configure Microsoft Dynamics 365 Business Central including setting up core functionality and modules and migrating data to Business Central. Candidates configure the application in collaboration with the implementation team to provide the business with manageability and ease of use. They may configure role centers including adapting insights, cues, action tiles, reports, charts, and extend Business Central by using Power Platform components. Candidates have applied knowledge of meeting business needs by using Business Central, including basic understanding of financial management, sales, purchasing, and inventory. Candidates for this exam typically specialize in one or more feature sets of Business Central. They understand the role of Business Central in relationship to the Microsoft 365 and Dynamics 365 suites of applications.

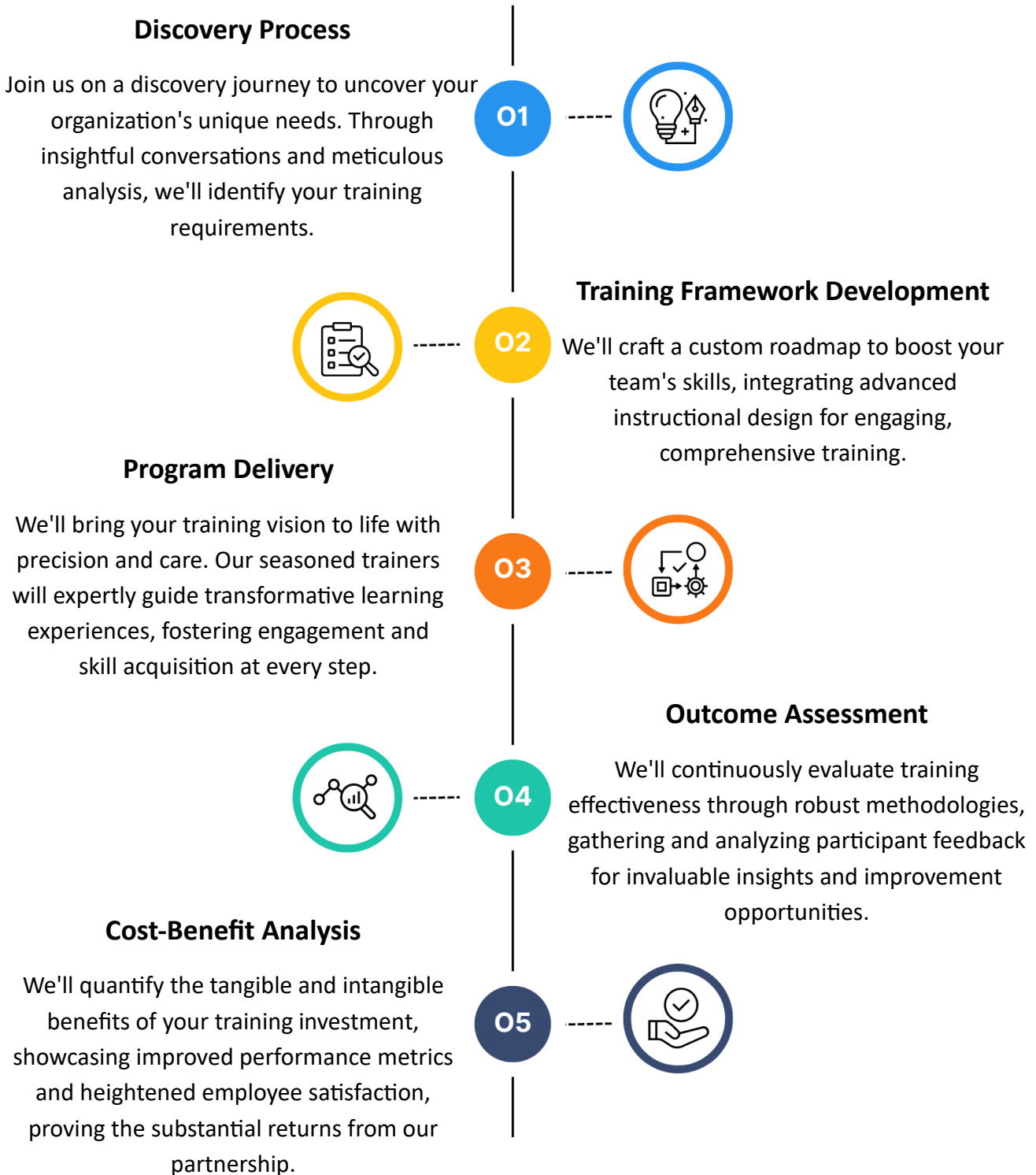
Course Level

- Intermediate

Course Duration

- 5 Days – 40 Hours

Creating Tailor - Made Training Programs to Meet Your **Specific Goals**



Course Outline

Built and optimized for small and medium businesses, Dynamics 365 Business Central is an application for companies that have outgrown their entry-level business applications. Growing businesses often outgrow their basic accounting software or legacy enterprise resource planning (ERP) systems that are unable to handle increased inventory and transactions, lack integration with other line-of-business systems, and have reporting limitations. Businesses are also challenged with the logistics of providing services that have more scalability, increased mobility, and availability in the cloud. With Business Central, you can manage your financials, automate and secure your supply chain, sell smarter, improve customer service and project performance, and optimize your operations.

Module 1: Introduction to Developing with Finance and Operations Apps

- Lesson: Explore the Ecosystem and Main Components
- Lesson: Explore the Technical Architecture
- Lesson: Explore Design and Deployment Considerations
- Lesson: Manage Implementations by Using Lifecycle Services
- Lesson: Work with Performance and Monitoring Tools
- Lesson: Manage Source Code by Using Version Control
- Lesson: Explore the Test Framework and Tools
- Lesson: Explore Reporting Tools
- **Exercise** – Set Authorization Requirements on Database Tables
- **Lab 1:** Create a new module & workspace

Module 2: Build Finance and Operations Apps

- Lesson: Set Up a VHD
- Lesson: Start Developing
- Lesson: Get Started with Development Using X++
- Lesson: Develop Object-oriented Code
- Lesson: Implement Application Lifecycle Management
- Lesson: Build Extended Data Types and Enumerations
- Lesson: Build the Data Model
- Lesson: Build Forms and Optimize Form Performance
- Lesson: Create Classes
- Lesson: Build Reports
- Lesson: Build Workspaces
- Lesson: Implement Role-based Security
- Lesson: Apply Basic Performance Optimization
- **Exercise** – Create an Extension by Using Chain of Command
- **Exercise** – Create a Base Enumeration, Add Elements, and Update Properties
- **Exercise** – Create a Table, Add Fields, and Create Field Groups

- **Exercise** – Create a Form
- **Exercise** – Insert Records by Using a Runnable Class
- **Exercise** – Create and Deploy a Report
- **Exercise** – Create a Workspace and Add a Tile, List, Link, and Power BI Element
- **Exercise** – Create a New Security Role and Add Duties
- **Exercise** – Create Runnable Classes in Visual Studio to Test Code
- **Lab 2:** Create a new EDT table and form

Module 3: Extend Finance and Operations Apps

- Lesson: Explore Extensions and the Extension Framework
- Lesson: Extend Elements
- Lesson: Consume Business Events
- Lesson: Work with workflows
- **Exercise** – Extend an EDT
- **Exercise** – Extend a Form and Add Controls
- **Exercise** – Create a Purchase Requisition Workflow
- **Lab 3:** Create a custom workflow on the Positions form

Module 4: Connect to Finance and Operations Apps

- Lesson: Identify Data Integration Patterns and Scenarios
- Lesson: Implement Data Integration Concepts and Solutions
- Lesson: Implement the Data Management Package API
- Lesson: Data Integrations
- Lesson: Prepare data for migration
- Lesson: Manage data sources with external data stores
- Lesson: Integrate with Microsoft Azure
- Lesson: Connect to Microsoft Power Platform services
- Lesson: Work with Tools and Best Practices to Integrate with Microsoft Power Platform
- **Exercise** – Create a Data Project and Recurring Data Job
- **Exercise** – Create a Data Entity
- **Exercise** – Troubleshoot Dual-write Integration
- **Lab 4:** Create a composite data entity

Module 5: Migrate Data and Go Live

- Lesson: Work with Data Management
- Lesson: Perform User Acceptance Testing
- Lesson: Prepare to Go Live
- Lesson: Use Regression Suite Automation Tool (RSAT)
- Lesson: Work with Analytics and Reporting
- Lesson: Configure Electronic Reporting
- **Exercise** – Explore the Data Management Workspace
- **Exercise** – Export Data Using the Data Management Workspace
- **Exercise** – Build Test Scripts to Test Business Functionality

- **Exercise** – Work with Reports
- **Exercise** – Generate Electronic Documents for Payments
- **Lab 5:** Data export using Bring Your Own Database (BYOD)

Indus Tech Services

Who We Are....

Indus Tech Services is an IT company that specializes in providing comprehensive training, consulting & implementation services for software solutions designed to address the diverse business challenges faced by organizations today. With a passion for technology and a deep understanding of business processes, Indus Tech is committed to empowering businesses to optimize their operations, boost productivity, and drive sustainable growth.

Indus Tech Services and Microsoft Partnership

As a proud **Microsoft Partner**, **Indus Tech Services** is uniquely equipped to deliver top-tier training and certification programs designed to meet the evolving needs of today's workforce. Our partnership with Microsoft allows us to offer direct access to the latest tools, resources, and industry insights, ensuring that our courses are aligned with the most current technology trends. This collaboration enables us to provide unparalleled support to our students, helping them gain the skills and knowledge required to excel in their careers. By choosing Indus Tech Services, you're not just learning; you're gaining a competitive edge with Microsoft-backed expertise and certification.

Why Choose Us...

From time to time, life serves up a profound nudge, urging us to step beyond our routines and make a difference in the world. Indus Tech Services emerged from one such compelling wake-up call. We are not just a company; we are a dedicated force with a belief in providing solutions to organizations, regardless of their size, and we infuse a human touch into everything we do.

Our Expertise

With over 25 years of collective experience navigating the intricacies of daily business transactions, irrespective of geographical, cultural, time zone, or language barriers, our team has honed their expertise to meet any challenge head-on. This wealth of experience has armed our resources with an unparalleled understanding and skill set to tackle a broad spectrum of obstacles.

Training

With two decades of unwavering commitment and a global footprint, our company is a true pioneer in the fields of linguistic, transactional, technical, and behavioural training for some of the world's largest corporate entities. Our unparalleled expertise has been refined through years of dedication and innovation, making us the go-to choice for businesses seeking transformative training solutions.

Consulting

Our company has been at the forefront of providing world-class IT consulting services to organizations spanning the globe. With an extensive and proven track record, we have honed our expertise to meet the ever-evolving technological needs and challenges faced by businesses, regardless of their scale or industry.

Implementation

Our experience covers a broad spectrum of IT implementation services, including system integration, software deployment, network architecture, cloud migration, and infrastructure setup. We understand that the successful execution of IT projects is pivotal to an organization's growth and efficiency. Therefore, we bring a depth of knowledge and a commitment to delivering results that set us apart.

To know more contact us at info@industechservices.com or call us at +91 - 99961 61170.