



MICROSOFT TRAINING

Development Microsoft Dynamics Ax II Course

Deepen your Microsoft Dynamics AX development expertise. Build complex business logic and tailor ERP solutions effectively.

DURATION

16 Hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The Development Microsoft Dynamics Ax II Course is designed for experienced developers looking to elevate their proficiency in customizing and extending Microsoft Dynamics AX. This intermediate-level program delves deep into advanced X++ programming techniques, sophisticated Application Object Tree (AOT) manipulation, and complex integration patterns. Participants will learn to develop robust, scalable, and high-performance solutions that address intricate business requirements, moving beyond basic customizations to truly transform ERP functionality.

Through practical, hands-on modules, you will master skills essential for creating tailored business logic, building intricate integrations with external systems, developing advanced reporting capabilities, and optimizing application performance. This course empowers you to become a critical technical resource in any Dynamics AX implementation or upgrade project, enabling you to design and implement solutions that drive significant operational efficiency and strategic value for organizations leveraging Microsoft's powerful ERP platform.

Duration	16 Hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Advanced X++ Programming and Object-Oriented Design

- Advanced X++ Language Features
- Object-Oriented Programming Principles in AX
- Design Patterns and Best Practices for X++ Development
- Error Handling and Debugging Advanced Scenarios
- Performance Optimization Techniques for X++ Code

02 Module 2: Extending the Application Object Tree (AOT)

- Advanced Table and Data Model Customizations
- Complex Form Development and UI Enhancements
- Customizing and Extending Reports (SSRS Integration)
- Event Handling and Delegates for Application Extension
- Implementing Business Logic through Class Extensions

03 Module 3: Integration and Data Exchange Frameworks

- Developing with the Application Integration Framework (AIF)
- Consuming and Exposing Web Services (SOAP/REST)
- Data Import/Export Framework (DIEF) Advanced Usage
- Building Custom Integration Solutions with X++
- Batch Processing and Asynchronous Operations

04 Module 4: Advanced Reporting and Business Intelligence

- Designing Complex SSRS Reports for Dynamics AX
- Utilizing Data Providers and Queries for Reporting
- Integrating with External BI Tools and Data Warehouses
- Developing Advanced Cube Structures (if applicable for AX version)
- Security and Performance Considerations for Reports

05 Module 5: Workflow Customization and Best Practices

- Designing and Implementing Custom Workflows
- Extending Existing Workflow Templates
- Developing Workflow Participants and Approvers
- Troubleshooting and Monitoring Workflow Instances
- Workflow Performance and Scalability

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Microsoft Dynamics AX Senior Developer**
- > **ERP Technical Lead (Dynamics AX Focus)**
- > **Dynamics AX Integration Specialist**

FREQUENTLY ASKED QUESTIONS

Q: What foundational knowledge or prerequisites are recommended before enrolling in the Development Microsoft Dynamics Ax II Course?

This course assumes you have a solid understanding of basic X++ programming and are familiar with the Application Object Tree (AOT) in Microsoft Dynamics AX. Ideal candidates would have completed a 'Development Microsoft Dynamics Ax I Course' or possess equivalent hands-on experience in customizing Dynamics AX, including basic form and report modifications, and a fundamental grasp of core AX modules and data structures.

Q: How does mastering advanced development in Dynamics AX through this course enhance my career prospects within ERP implementation projects?

Completing this course positions you as a highly valued asset in any ERP implementation team. You'll gain specialized skills to tackle the most complex client requirements, develop robust custom solutions, seamlessly integrate Dynamics AX with other enterprise systems, and optimize application performance. This expertise is crucial for senior developer, technical consultant, or integration specialist roles, where you will be instrumental in driving the technical success and strategic value of Dynamics AX deployments and upgrades.

Q: Will this course cover techniques for integrating Dynamics AX with external systems, and what specific integration frameworks will be explored?

Yes, a significant portion of this course is dedicated to advanced integration strategies. You will learn to develop and effectively utilize the Application Integration Framework (AIF) for both inbound and outbound data exchange, work with web services (understanding SOAP/REST concepts within AX's capabilities), and build custom integration solutions using X++ to facilitate seamless data flow between Dynamics AX and other enterprise applications. The Data Import/Export Framework (DIEF) will also be covered for efficient mass data operations.

ABOUT COMPUTER PRIDE

**computerpride*****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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