



MICROSOFT TRAINING

# Introduction To Development Environment In Microsoft Dynamics Nav 2017 Language Course

*Master the Microsoft Dynamics NAV 2017 development environment. Build robust business solutions efficiently.*

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DURATION

**40 Hours**

LEVEL

**Intermediate**

FORMAT

**Instructor-Led**

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- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | [www.computer-pride.co.ke](http://www.computer-pride.co.ke)

## COURSE OVERVIEW

This "Introduction To Development Environment In Microsoft Dynamics Nav 2017 Language Course" is meticulously designed for IT professionals, developers, and power users seeking to master the foundational aspects of customizing and extending Microsoft Dynamics NAV 2017. Participants will delve into the core development environment, gaining hands-on experience with the Object Designer, C/AL (Client/Server Application Language) Editor, and essential development tools. The course focuses on understanding the structure of Dynamics NAV objects and how to write basic C/AL code to modify and enhance system functionalities, preparing you to tailor the ERP solution to specific business needs. By completing this intermediate-level course, you will acquire practical skills in navigating the NAV 2017 development landscape and making initial customizations. This foundational knowledge is crucial for anyone aspiring to a Dynamics NAV development role or for IT managers who need a deeper understanding of the system's customization capabilities. Mastering these skills will significantly boost your professional value, enabling you to contribute effectively to ERP implementation, support, and optimization projects, ultimately streamlining business operations and increasing efficiency within organizations utilizing Microsoft Dynamics NAV 2017.

|          |              |
|----------|--------------|
| Duration | 40 Hours     |
| Level    | Intermediate |
| Vendor   | Microsoft    |

## COURSE CURRICULUM

### 01 Module 1: Getting Started with Microsoft Dynamics NAV 2017 Development

- Overview of Microsoft Dynamics NAV 2017 Architecture
- Introduction to the NAV Development Environment
- Understanding the Role of C/AL (Client/Server Application Language)
- Navigating the Object Designer and its components

### 02 Module 2: Core Dynamics NAV Objects - Tables and Pages

- Working with Tables: Fields, Keys, and Data Types
- Designing and Modifying Pages: Controls, Actions, and Properties
- Introduction to Page Triggers and FlowFields

### 03 Module 3: Introduction to C/AL Programming

- C/AL Syntax and Basic Data Manipulation
- Variables, Constants, and Data Structures in C/AL
- Conditional Statements (IF-THEN-ELSE) and Looping Constructs (FOR, WHILE, REPEAT)
- Understanding Functions and Procedures

### 04 Module 4: Codeunits and Basic Customization

- Creating and Utilizing Codeunits for Business Logic
- Introduction to Events and Subscribers
- Modifying Existing NAV Functionality with C/AL
- Developing Simple Reports and XMLports (brief overview of development aspect)

### 05 Module 5: Debugging and Best Practices

- Using the C/AL Debugger
- Error Handling and Troubleshooting Techniques
- Introduction to Development Best Practices and Documentation

- Version Control Basics in a NAV Development Context

## CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Microsoft Dynamics NAV C/AL Developer (Junior)**
- > **ERP Customization Specialist**
- > **Business Applications Support Engineer (Dynamics NAV focused)**

## FREQUENTLY ASKED QUESTIONS

### **Q: What specific C/AL programming skills will I acquire in this introductory course to the Dynamics NAV 2017 development environment?**

This course will equip you with foundational C/AL programming skills, including understanding basic syntax, defining variables and data structures, implementing conditional logic and loops, and creating simple functions and procedures. You will also learn how to interact with NAV objects programmatically, enabling you to modify existing functionalities and develop custom business logic within the NAV 2017 environment.

### **Q: Is prior experience with ERP systems or programming languages a prerequisite for enrolling in this course?**

While this course is structured as an "Introduction to Development Environment," an intermediate level of understanding of Microsoft Dynamics NAV 2017 as a user or functional consultant is highly recommended. Basic familiarity with general programming concepts would be beneficial but is not strictly required, as the course will introduce C/AL from fundamental principles, focusing on its application within the NAV development context.

### **Q: How does mastering the Dynamics NAV 2017 development environment enhance my career prospects in the ERP sector?**

Gaining proficiency in the Dynamics NAV 2017 development environment, particularly with C/AL, significantly boosts your career prospects by positioning you as a valuable asset capable of customizing, maintaining, and extending critical business functionalities. This skill set is in high demand for roles such as a Junior Dynamics NAV Developer, ERP Customization Specialist, or a Business Applications Support Engineer, enabling you to directly contribute to tailored ERP solutions and drive operational efficiency for organizations utilizing NAV.

## ABOUT COMPUTER PRIDE



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## READY TO ENROL?

Take the next step in your technology career.

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