Programming with HP BASIC

Technical Data

**HP Education Services:
Your Key to Higher
Productivity**

Course Overview

This course introduces workstation users and programmers to computer hardware, the operating system, and the HP BASIC programming language.

Course Features

- Gain experience programming in the HP BASIC language
- Gain experience using operators and system functions to code algorithms
- Learn the HP BASIC syntaxing editor
- Use branching and iteration techniques in program development
- Learn how to format printed data for user output
- Learn numeric and string array structures (matrices, complex numbers)
- Use structured programming techniques
- Programmatic error handling
- Set up program response to events (interrupts)
- Learn how to use data files efficiently
- Learn to write programs using separate context (subroutines, subprograms)
- Write a graphics program

Course Number: 98616B+24C (Scheduled)
98616B+24W (Dedicated)

Specifications

Course Length
5 days

Audience
Engineers, scientists, and programmers

Prerequisites
Previous exposure to programming is beneficial but not required.

Delivery Method
Classroom, Dedicated

Format
Course content is 40% lecture and 60% lab. This course includes extensive lab work on a variety of subjects and levels of difficulty. Students will write programs that progress from simple control and structure exercises to advanced exercises incorporating I/O, mass storage, numeric calculations and graphics.

Classroom Training Benefits

Experienced HP Instructors
Learn from an experienced HP instructor who is an expert in using and applying instrument systems to meet your measurement needs.

Available at HP Classrooms or Your Site
Take advantage of HP's learning facilities, equipment, and interactive learning environment by attending class at an HP facility. Or, save travel expenses and time by organizing a dedicated delivery at your location.

Regularly Scheduled Classes
Plan training months in advance.

Extensive Hands-on Practice
HP classroom training is characterized by extensive hands-on experience and interactive class discussion. HP classroom training pays off immediately because it is geared to real-world solutions.

Comprehensive Student Materials
Copies of course materials are provided for future reference on the job.

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Course Agenda

Day 1
- Hardware Overview
- Software Overview
- Introduction to HP BASIC
- Programming Fundamentals
- Editing and Storing Programs
- Mass Storage
- Data Types and Numeric Computations

Day 2
- Strings
- Arrays
- Advance Array Operations
- Printing

Day 3
- Program Structure and Flow
- Subroutines, Subprograms, Csubs, and Functions
- Event-Initiated Branching

Day 4
- Structured Programming
- Data Files and File Management
- A Closer Look at Data File Structure

Day 5
- Handling Errors
- Debugging Tools
- Graphics

Ordering Information

To order the Programming with HP BASIC (98616B+24C) course in the U.S. call 1-800-HPCLASS (800-472-5277).

HP's Customer Registration Center can provide you with price, schedule, and enrollment information, as well as provide information about a dedicated class (98616B+24W) delivery.

Outside the U.S., contact your nearest local HP sales office.

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