

Advanced Programming for HP 947X

Technical Data

Course Overview

This course teaches how to use significant programming features of the HP 947X system. It covers major features of the system with special concentration on designing and implementing component test programs. Design of loadboards is included along with special considerations for high voltage testing and low current testing.

Course Features

- How to use significant programming commands
- Loadboard Design
- Effective Sorting & Binning Strategies
- Performance and accuracy of system instruments
- Discussion of special requirements for high voltage, high current and low current testing
- Creating tests, Jobs and Job Execution Files (JEX)
- SUE programming
- Data Extraction

Specifications

Course Length 5 days

Audience

HP 947X programmers and test engineers.

Prerequisites

Course HP 947X Operating, Programming and User Training (E3811B+24D; familiarity with PC operation, DOS and C language; knowledge of semiconductor device testing.

Delivery Method Classroom, Dedicated

Format

Instruction consists of approximately 45% lecture and 55% hands-on labs and exercises.

HP Education Services: Your Key to Higher Productivity

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

Take advantage of HP's learning facilities, equipment, and interactive learning environment by attending class at an HP facility.

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.

Course Number: E3811B+24P (scheduled)

Advanced Programming for HP 947X (E3811B+24P)

Course Agenda

Day 1

- System Review & Macros
- Debuggers
- · Command Set details
- Command Set labs
 Day 2
- Command Set details continue
- · Command Set Labs
- Designing Loadboards
- Time Measurement with lab Compiling and Linking BAT files

Day 3

- Waveform Generator lab
- · Sorting & Binning with lab
- SUE Programming with lab
 Day 4
- High voltage testing
- · Low & high current testing
- Developing external variables
- Developing global functions
- File structures
 Day 5
- Hardware capability and limitations
- Data Extraction with lab
- Labs continue
- · Wrap-up and Feedback

At the completion of this class the student will be able:

- to write test programs using commands for any system resource
- to design loadboards using proper 3-wire connections
- to implement complex binning strategies using Job level binning
- to write programs to extract data from datalogs

Ordering Information

To order Advanced Programming for HP 947X (E3811B+24P) course in the U.S. call 1-800-HPCLASS (800-472-5277).

HP's Customer registration Center can provide you with prices, scheduling, and enrollment information as well as provide information about a dedicated delivery.

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

Region Sales Headquarters:

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