

PostScript Foundations is a five-day, hands-on class that teaches the student how to write programs in the PostScript language. It discusses the major mechanisms and features common to all versions of the PostScript language.

This class lays the foundation for writing PostScript code for producing documents or modifying currently-existing documents. It discusses PostScript programming, efficiency, and underlying language structure.

Objective

The student will learn how the PostScript language works and to write programs that employ all the main capabilities of the language. The student will know the principles of writing fast, efficient code in PostScript.

Prerequisites

Familiarity with computer concepts. Previous programming experience helps but is not necessary.

Audience

Printer engineers, software engineers, software and hardware support personnel.

Sign up now!

Acumen Training teaches regularly-scheduled classes in Orange County, California, near the Santa Ana/Orange County airport.

If your organization has four or more people who need to take *PostScript Foundations*, it will be cheaper to arrange a class on your site. See details on the Acumen Training website.

For class schedules and pricing, on-site class information, or to register for a class, please contact John Deubert at Acumen Training any of the following ways:

- Email: john@acumentraining.com
- Web: www.acumentraining.com
- Telephone: 949-248-1241

Course Outline

Day 1

- Background to PostScript
- Basics: fonts, the coordinate system
- CTM Operators: *scale*, *translate*, *rotate*
- Paths: lines, line width
- Specifying color
- The Graphics State
- Circular arcs
- Operand stack

Day 2

- Stack errors and operators
- Procedures, variables, and dictionaries
- Loops
- Comparison and conditional execution
- Font transformation
- Clipping
- Variations on *show*

Day 3

- Device Space
- PostScript objects and data types
- Scanner/Tokenizer
- The four stacks
- Even-odd and winding rules
- Binding
- Bezier curves
- Memory management
- The *setpagedevice* operator
- File operations

Day 4

- Introduction to file filters
- Color and Color Spaces
- Transformation matrices
- Images
- PostScript forms

Day 5

- Font dictionary contents
- Changing (re-encoding) fonts
- Creating fonts
- CIDFonts & Asian font support