

SAS Programming for SAS Enterprise Guide Users

This course is for experienced SAS Enterprise Guide users who want to gain extra value from the product by understanding the code that it generates and methods of enhancing that code. The course will serve as a transition into the programming world of SAS and serves as a prerequisite for *SAS Programming 2: Data Manipulation Techniques*

Learn how to

- analyze the way in which SAS Enterprise Guide and SAS programs work together
- evaluate the structure and syntax of a SAS program
- manipulate SAS data sets using the DATA step
- read delimited text files using the DATA step
- merge tables and isolate matching and non-matching rows using the DATA step
- customize task output by modifying code that is generated by SAS Enterprise Guide.

Who should Attend

SAS Enterprise Guide users who are interested in learning about writing SAS programs and modifying the SAS code generated by SAS Enterprise Guide

Prerequisites

Before attending this course you should have completed the *Querying and Reporting Using SAS Enterprise Guide* course or have equivalent experience.

Course Contents

Why Learn SAS Programming

- understand SAS Enterprise Guide
- explore the benefits of understanding SAS programming
- describe the course scenarios

SAS Programming Basics

- introduction to SAS programming
- SAS programming concepts
- diagnosing and correcting syntax errors
- accessing data via SAS libraries

Using the SAS DATA Step

- comparing the DATA step with the Filter and Query task
- DATA step basics
- DATA step processing

- conditional processing
- importing data

Combining SAS Data Sets

- merging data using the DATA step
- concatenating data
- appending data

Enhancing Code Generated by Tasks

- understanding the generated code
- interacting with the generated code
- getting help

Controlling Output Types

- the Output Delivery System
- customizing HTML output
- customizing RTF output
- customizing PDF output

Controlling Output Content

- enhancing titles and footnotes
- using run time parameters with code
- conditional highlighting