

SAS Macro Programming: Advanced Topics

Duration: 2.0 days

This Level IV course is for experienced SAS programmers who have completed the [SAS Macro Language](#) course and need additional, higher-level instruction on the SAS macro facility.

Course Description [\[Click to register ONLINE \]](#)

This course emphasizes advanced techniques that will enable students to take advantage of macro functionality. Portability, productivity, and efficiency issues are discussed. Other topics include handling special characters within macro parameters; processing data using macro techniques; performing debugging and troubleshooting tasks; and creating a library of macro utilities. After completing the course, students will be able to apply advanced macro techniques to write dynamic code and interface with data sets and other files.

Prerequisites

Before attending this course, you should have completed the [SAS Macro Language](#) course or have equivalent knowledge and experience.

Course Contents

Handling Special Characters

- applying compile-time quoting functions
- applying execution-time quoting functions

Processing Data using Macro Techniques

- performing numerical calculations
- calling functions and routines
- reading and writing data
- coordinating macro with the DATA step

Building a Library of Macro Utilities

- enhancing functionality
- using autocall macros
- using stored compiled macros

Developing Macro Applications

- applying best practices
- debugging and troubleshooting
- creating portable applications

Course Materials

Students attend classroom courses in one of our public training centers. You receive a hardcopy of the course notes.