



# Mainframe COBOL Programming

Course No. COBOL 4 Days Instructor-led, Hands-On

## Introduction

This 4-day course introduces how to write COBOL programs the way they're written in the best enterprise COBOL shops.

## At Course Completion

After completing this course, students will understand the how the following:

- how to use the ISPF editor for entering programs
- how to use TSO/E and JCL to compile and test programs
- how to use the AMS utility to work with VSAM files
- how to use CICS for developing interactive COBOL programs
- how to use DB2 for developing COBOL programs that handle database data
- how to maintain legacy programs

## Prerequisites

Students must have a basic understanding of programming.

## Course Materials

The student kit includes professionally developed lab manuals and reference materials.

## Course Outline

### Module 1: The essence of COBOL programming

- Introduction to COBOL programming
- How to compile, test, and debug a COBOL program
- How to write a program that prepares a report
- How to design, code and test a structured program
- How to use the COBOL features for structured coding
- Other ways to define, move, and initialize fields

Contact ISInc for more information at 916.920.1700 or by visiting our website at <http://www.isinc.com>



## **Module 2: Other COBOL essentials**

- How to use arithmetic statements and intrinsic functions
- How to work with dates
- How to work with Characters
- How to work with tables
- How to use copy members and subprograms

## **Module 3: COBOL for working with files**

- Concepts and terms for working with disk files
- How to work with sequential files
- How to work with indexed files
- How to use the sort/merge feature

## **Module 4: The IBM mainframe environment for COBOL**

- Introduction to IBM mainframes
- How to compile and test programs on an IBM mainframe
- How to use Access Method Services to work with VSAM files
- How to use CICS to develop interactive programs
- How to become an effective maintenance programmer