

**Duration:** 5 days

**Course Number:** ISI-COB-02

## Description

This course introduces students to advanced techniques available for writing COBOL programs. Upon successful completion of this class, students will be able to:

- Access single and multi-dimensional tables.
- Code the SEARCH and SEARCH ALL verbs.
- SORT a file data using the Internal SORT along with input and output procedures.
- Code COBOL intrinsic functions to save excessive coding.
- Call to the Language Environment.
- Pass values to a COBOL program via the JCL PARM field.
- Pass information from a COBOL main program to a COBOL subprogram.
- Debug common program abends.
- Code additional COBOL features (e.g. string, unstring).
- Pass data from one program to another.

A series of written and workshops will be used to reinforce the classroom education.

## Audience

Experienced COBOL programmers who need to become proficient in advanced programming techniques.

## Prerequisites

- TSO/ISPF, or equivalent experience.
- **Introduction to COBOL Programming**, or equivalent experience.

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## Course Agenda

### **Day 1**

Accessing Single and Multi-Dimensional Tables  
Use the SEARCH and SEARCH ALL verbs  
SORT a File Data Using the Internal SORT Along With Input and Output Procedures  
Hands-on Workshop

### **Day 2**

Pass Values to a COBOL program via the JCL PARM field  
Pass Information from a COBOL Main Program to a COBOL Subprogram  
Hands-on Workshop

### **Day 3**

Use COBOL Intrinsic Functions to Save Excessive Coding  
Call to the Language Environment  
Hands-on Workshop

### **Day 4**

Debugging Common Programming Problems  
Solving Several Common Program Abends  
Hands-on Workshop

### **Day 5**

Advanced Programming Case Study

- Edit Program
- SORT Program
- Update Program
- Report Program

Hands-on Workshop