

Introduction to COBOL/400

(CB00)

10 Days (40% Lecture, 60% Workshop)

This is an introductory class on the COBOL language. The class covers the general ANS 85 COBOL standard, and the AS/400 extensions to the standard for the OPM compiler (i.e. not ILE). Students will learn basic COBOL rules and syntax; write, run and debug several batch oriented COBOL programs. Interactive COBOL is not covered in this introductory class.

For this class we have selected the textbook "Programming in COBOL/400 (Second Edition)", by Cooper, Stern and Stern. Each student will receive a copy of the text. Lecture will be reinforced by lab exercises.

Prerequisites: AS/400 Concepts and Facilities class, or equivalent. Basic knowledge of computer programming logic and techniques.

Course Outline

Session I (5 days)

- Introduction to Programming in COBOL/400
- Defining Files and Processing Data
- Printing Reports with COBOL/400
- Designing Structured COBOL Programs
- Moving Data and Text Manipulation
- Computing in COBOL: The Arithmetic Verbs
- Decision Making Using the IF and EVALUATE Statements
- Debugging COBOL Programs

Session II (5 days)

- Iteration: Beyond the Basic PERFORM
- Database Concepts and Externally Described Physical Files
- Accessing Logical Files
- Control Break Processing
- Random File Access Techniques for Keyed Files
- Single-Level Arrays and Tables
- Multiple-Level Arrays and Tables
- The COPY and CALL Statements

For more information, call **(636) 519-7917**

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