

**NorthWest Arkansas Community College
Business and Computer Information Course Outline**

PROG 1503 COBOL PROGRAMMING (On Demand)

Catalog Description

COBOL (Common Business Oriented Language) is a high-level programming language used extensively in programming business applications. In this course students are expected to design, document, and write structured programs using COBOL. Emphasis will be placed on structure and correct design using typical business applications.

Prerequisite

PROG 1003 Beginning Basic Programming or prior programming experience

Credit Hours: 3

Target Audience

This course is for students seeking training in programming languages, applicable to students seeking self-improvement or an AAS degree in Computer Information.

General Course Objectives

Knowledge:

Demonstrate competence of microcomputer programming concepts using COBOL.
Design, create, code, update, and maintain programs written using a structured format.

Critical Thinking:

Design a program for a given task
Analyze the output for accuracy

Academic Skill:

Use basic algebra and math.

Cultural Awareness:

Appreciate the speed and accuracy of work accomplished with the aid of a personal computer.

Required Text

Structured Cobol Programming, Shelly, Cashman, Foreman.
Publisher: Course Technology.

Topics Covered

Program Development	SORT, and MERGE
Top Down Design – Hierarchy Charts	Tables and Control Breaks
Program Divisions	Data Manipulation and Sequential File
IF, MOVE, and Data Validation	Maintenance
Arithmetic Calculations	Indexed Files
Branching	

Instructional Activities

Students will require additional time in the computer lab to complete Programming projects.

Projects/ Assignments

Outside programming projects plus Final Programming project

Required Assessment

Final Programming Project

Resources

General Student Access Lab