Discipline Code
PROG

Course Number
1503

Course Title
COBOL Programming

Catalog Description
(On Demand) 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. Outside lab time will be required. Prerequisites: PROG 1003, or prior programming experience.

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PROG 1003, or prior programming experience.

Credit Hours
3 credit hours

Contact hours
45 Lecture/Lab contact hours

Load hours
3 load hours

Semesters Offered
On Demand

ACTS Equivalent
None

Grade Mode
A-F

Learning Outcomes
Students will:
- Demonstrate competence of programming concepts using COBOL.
- Design, create, code, update, and maintain programs written using a structured format
- Design a program for a given task

- Analyze a program's output for accuracy
- Use debugging techniques to find errors and fix in code
- Demonstrate an understanding of fundamental concepts of computer programming, including problem solving and algorithm development, procedural abstraction and software design.
- Use simple data types, control structures, array and string data structures.

General Education Outcomes Supported
N/A

Standard Practices

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

Learning activities
- This course requires additional work that may need to be completed out of class or in a virtual or on-campus lab.

Assessments
Chapter quizzes or programs
Exams
Programming projects
Final programming project

Grading guidelines
- Exams, Quizzes, Homework, Programming assignments, and Final course programming project
- A = 90-100
- B = 80-89
- C = 70-79
- D = 60-69
- F = 59 & below