Course Description
COP2129 | Advanced COBOL Programming | 4.00 credits

This is a second level course in COBOL programming recommended for Information Technology and Computer Information Systems majors. Students will learn advanced techniques of structured programming. Emphasis will be on design and execution of structured programming using various access methods. Prerequisite: COP1120.

Course Competencies
Competency 1: The student will demonstrate an understanding of how to work with sequential files by:
1. Developing programs that read an existing sequential file.
2. Developing programs that create a sequential file.
3. Developing programs that produce formatted reports.
4. Developing programs that update a sequential file.
5. Developing programs that work with variable length records in a sequential file.

Competency 2: The student will demonstrate an understanding of how to work with indexed files by:
1. Developing programs that read an existing indexed file.
2. Developing programs that create an indexed file.
3. Developing programs that update an indexed file.

Competency 3: The student will demonstrate an understanding of the sort/merge feature by:
1. Describing the various sorting techniques and their usages.
2. Writing programs that utilize the sort feature.
3. Writing programs that utilize the merge feature.

Competency 4: The student will demonstrate an understanding of how to work with VSAM files by:
1. Creating programs that read an existing VSAM file.
2. Creating programs that create a VSAM file.
3. Creating programs that update a VSAM file.

Learning Outcomes:

1. Computer / Technology Usage
2. Critical Thinking
3. Numbers / Data

Updated: Fall 2024