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## Sub-Baccalaureate Certificate Requirements

### Required Courses: (12 Credits)

- ☐ CMAC 1200 Problem Solving and Programming Constructs
  - ☐ Or CMSC 1200 Problem Solving and Programming Constructs
  - ☐ Or CMIS 1200 Application Programming I
- ☐ CMAC 1240 Computer Programming I
  - ☐ Or CMSC 1240 Computer Programming I
  - ☐ Or CMIS 2200 Application Programming II
- ☐ CMAC 2040 Object Oriented Programming
  - ☐ Or CMSC 2040 Object Oriented Programming
- ☐ CMAC 3040 Data Structures
  - ☐ Or CMSC 3040 Data Structures

**Available to any major except CMAC, CMIS, CMSC.**