

**Computer Programming and Analysis (Program Code 2011)**

| Term/Yr | Create Your Own Personal Course Map | Credits | Term         | Recommended Course Map  | Notes   |
|---------|-------------------------------------|---------|--------------|---|---|
|         |                                     |         | 1st Semester | CGS 1060 Introduction to Computer Concepts  |   |
|         |                                     |         |              | CGS 1100 Microcomputer Applications Software                                      |   |
|         |                                     |         |              | COP 1000 Intro. to Computer Programming   | Corequisite or Prerequisite:<br>CGS 1060  |
|         |                                     |         |              | ENC 1101 Composition I  | College ready status is required. See course descriptions in catalog. Refer to A.A. degree general education requirements.    |
|         |                                     |         |              | General Education Core Mathematics  | Prerequisite course may be required. See course descriptions in catalog. Refer to A.A. degree general education requirements. |
|         |                                     |         | 2nd Semester | COP 2220 Programming in C   | Prerequisite: COP 1000  |
|         |                                     |         |              | COP 2830 Web Programming Languages  | Pre requisite: COP 1000   |
|         |                                     |         |              | CET 1178C Computer Hardware Support Essentials                                    | Prerequisite: CGS 1060  |
|         |                                     |         |              | CTS 1387 Introduction to Linux  | Prerequisite: CGS 1060  |
|         |                                     |         |              | General Education Core Natural Science  | Prerequisite course required. See course descriptions in catalog. Refer to A.A. degree general education requirements.        |
|         |                                     |         | 3rd Semester | COP 2551 Object Oriented Programming with Java                                    | Prerequisite: COP 1000  |
|         |                                     |         |              | CET 2179C Computer Software Support Essentials                                    | Prerequisite: CGS 1060  |
|         |                                     |         |              | CNT 1001 Introduction to Networking   |   |
|         |                                     |         |              | CGS 1540 Database Fundamentals  |   |
|         |                                     |         |              | General Education Core Social Science<br>Choose from AMH 2010, AMH 2020, POS 1041 | See course descriptions in catalog. Refer to A.A. degree general education requirements.                                      |
|         |                                     |         | 4th Semester | COP 2360 Programming in C#  | Prerequisite: COP 1000  |
|         |                                     |         |              | COP 2224 Programming in C++   | Pre requisite: COP 1000   |
|         |                                     |         |              | General Education Core Humanities   | Prerequisite course required. See course descriptions in catalog. Refer to A.A. degree general education requirements.        |
|         |                                     |         |              | COP 2657 Intro. to Mobile App Programming   | Prerequisite: COP 1000  |
|         |                                     |         |              | CIS 2321 Information Systems  | Prerequisite: CGS 1060  |
|         |                                     |         | 5th Semester |   |   |
|         |                                     |         |              |   |   |
|         |                                     |         |              |   |   |
|         |                                     |         |              |   |   |
|         |                                     |         |              |   |   |
|         |                                     |         | 6th Semester |   |   |
|         |                                     |         |              |   |   |
|         |                                     |         |              |   |   |
|         |                                     |         |              |   |   |
|         |                                     |         |              |   |   |

Total Credits Needed 60

Total Credits Earned: 0

Percentage of Completion: 0%

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