Computer Programming and Analysis

According to labor statistics, the top five fastest growing occupations are computer related. In Florida alone, by the year 2008, this occupational field will have grown 100%. This program is designed to develop competent information processing technicians seeking careers as computer programmers, systems analysts and related careers. Both technical and non-technical subjects are offered to broaden the individual's perspective and horizons in the field of computer science.

General Education Requirements (18 credits required)
ENC 1101 English Composition I (3)
SPC 1040 Introduction to Speech Communication (3)
MAC 1105 College Algebra (3)
STA 2023 Introduction to Probability and Statistics 1 (3)
Any course from Humanities/Fine Arts (Area I, Section B) (3)
Any course from Social/Behavioral Science (Area IV) (3)

Related Courses/Required (9 credits)
ACG 2021 Financial Accounting (3)
ECO 2013 Macroeconomics (3)
ECO 2023 Microeconomics (3)
BUL 2241 Business Law 1 (3)
Any SBM or MAN (3)

Core Requirements (24 credits)
CGS 1000C Introduction to Computer Science (3)
CIS 2321C System Analysis and design (3)
COP 2800 Introduction to Java Programming (3)
OR
COP 2805 Advanced Java Programming (3)
COP 1220C C Programming (3)
COP 2221 Intermediate Programming in C (4)
COT 2002 Foundations Of Computer Science (4)
CDA 1500 Data Communications (1)
CGS 25-- Microcomputer Software (3)

Electives/ Required (12 credits )
ACG 2071 Managerial Accounting (3)
CGS 2820 Web Authoring – HTML (3)
COP 2800 Intro. to Java Programming (3)
COP 2805 Advanced Java Programming (3)
CGS 1555 Introduction to the Internet (3)
CGS 1550 Introduction to the World Wide Web (3)
CDA 1522 Local Area Networking (3)
CIS 1940 Special Topics in Computer & Information Science (3)
COP 1210C Pascal Programming (3)
COP 1170C BASIC Programming (3)
COP 1332 Visual BASIC (4)
COP 2120C COBOL I (3)
COP 2121C COBOL II (3)
COP 2334 Object Oriented in C++ (3)
Any GRA 1100-2144 (3)
Free elective (3)

**Total Credits Required: 63**