

# Computer Programming & Analysis (2010)

ASSOCIATE IN SCIENCE DEGREE

## SOME DEGREE SPECIFIC COURSES AVAILABLE ON THE ORANGE PARK CAMPUS ONLY

This program prepares graduates for entry-level work as business applications programmers or analysts. Graduates possess knowledge of general computer concepts and data processing fundamentals and skills in programming, accounting, and systems analysis and design. The practical applications skills in business programming enable graduates to pursue careers in business programming, systems analysis, or management.

Students who plan to pursue the B.S. degree will need additional general education courses to meet university requirements.

For additional information, call (386) 312-4183.

### GENERAL EDUCATION COURSES:

ENC 1101	Composition I	.....3
+ ENC 1102	Composition II	.....3
MAC 1105	College Algebra	.....3
* _____	Social Science	.....3
+* _____	Humanities	.....3

### DEGREE SPECIFIC COURSES:

CGS 1060	Introduction to Computer Concepts	.....3
CGS 1100	Microcomputer Applications Software	.....3
CGS 1560	Microcomputer Operating Systems	.....3
+ CGS 2545	Database Concepts for Business	.....3
+ CNT 2500	Network/Data Communications	.....3
+ COP 1000	Introduction to Computer Programming	.....3
+ COP 2220	Programming in C	.....3
+ COP 2750	Advanced Database Concepts in Programming	.....3
+ COP 2800	Programming in Java	.....3
+ COP 2802	Programming in JavaScript	.....3
+ COP 2805	Advanced Java Programming	.....3
+ COP 2822	Web Page Authoring	.....3
+ COP 2830	Web Programming Languages	.....3
+ COP 2837	Introduction to Programming with Visual Basic.NET	....3
+ COP 2838	Advanced Programming with Visual Basic.NET	.....3

### COMPUTER PROGRAMMING ELECTIVES (Choose 3 Credits): . . .3

+ CGS 1515	Spreadsheet Concepts for Business	.....3
CGS 2820	Web Page Design and Publishing	.....3
CGS 2871	Multimedia	.....3
GEB 1011	Introduction to Business	.....3
+ MAC 2333	Survey of Calculus	.....3
SPC 1600	Fundamentals of Speech	.....3
STA 2023	Elementary Statistics	.....3

### REQUIRED TOTAL CREDIT HOURS .....63

\* Refer to A.A. degree general education requirements.  
+ Prerequisite course required. See course descriptions in catalog.