

## **Computer Programming, Associate of Science Degree**

This program offers technical training beginning at the fundamental levels of data processing and progressing to advanced programming techniques. It is designed to provide the student with a highly integrated background in computer programming. This program prepares the students for entry-level computer programmers, programmer specialist, application programmer, and database manager. The program also includes a fifteen-credit-hour component of General Education/Liberal Arts courses. FNC awards an Associate of Science Degree upon graduation.

### **GRADUATION REQUIREMENTS (A MINIMUM OF 60 CREDITS)**

#### **REQUIRED COURSES**

**General Education Requirements** Credit Hours

#### **COMMUNICATIONS (6 CREDITS)**

ENC 1101	English Composition I **	3
SPC 1040	Fundamentals of Oral Communication	3

**HUMANITIES (3 CREDITS)** Credit Hours  
3

**BEHAVIORAL / SOCIAL SCIENCE (3 CREDITS)** Credit Hours  
3

**MATHEMATICS (3 CREDITS)** Credit Hours  
MAC 1105 College Algebra I \*\* 3

**COMPUTERS (4 CREDITS)** Credit Hours  
CGS 1030 Introduction to Information Technology 4

SLS 1501 College Study Skills 0

#### **CORE REQUIREMENTS (24 CREDITS)**

CGS 2540	Database Management System **	4
COP 2705	SQL Server **	4
COP 1200	C ++ Programming (I) **	4
COP 2222	C ++ Programming (II) **	4
COP 2010	Visual Basic Programming (I) **	4
COP 2011	Visual Basic Programming (II) **	4

**SUGGESTED ELECTIVES (17 credits)** 17

All College Credit Courses from within this division or any other division can be used as Suggested Electives.

\* General Education Component (see page 105)

\*\*This course has prerequisites; check course descriptions.