

2007-08 Catalog: Programs of Study

Computer Programming and Analysis (Client/Server Programming) (226C)

Associate in Science

The Computer Programming and Analysis degree program prepares you to take on a variety of vital responsibilities in computer and information systems. After completing this program, you will be qualified to pursue a number of high-paying positions including programmer, programmer-analyst, software developer and software engineer. An internship is included in the program to provide valuable work experience.

In the Computer Programming and Analysis (Client/Server Programming) program, students will learn the fundamentals of program design and systems design, data processing mathematics, data communications, business management, and advanced programming in specific languages.

Internship

A 180-hour internship is included in the program to provide valuable work experience.

Career Opportunities, Rapid Placement

An FCCJ intranet site posts jobs targeting our students. You may also post your resume and receive e-mails about and job-related topics. Our graduates are regularly employed by CSX, JEA, Blue Cross Blue Shield, the City of Jacksonville, Medtronic, Mayo Clinic and other regional employers including the government and military.

Annual Salaries

Starting salaries in Jacksonville average \$35,000 - \$40,000; the average salary is \$63,450 statewide and the national average is \$65,910.

Certification and Licensing

This program prepares students to take exams for certification in both **Microsoft Developer (MSD)** and **Sun Java**.

Articulation

This A.S. degree program articulates into a bachelor's degree program. For more information, please visit the **Transfer Services** Web site.

Cost

Estimated tuition for Florida residents is \$4,183 (as of 07/07). Estimated cost for textbook, fees and material cost is \$1,600.

Need More Information? Contact:

Rick Nelson, South Campus, 904.646.2061
Sheri Litt, Kent Campus, 904.381.3704

More Information Online

Department of CIS and OST at South Campus

Curriculum

Course Number and Title	Credits
General Education Courses	
ENC 1101 English Composition I	3
MAC 1105 College Algebra	3
MAC 2233 Calculus for Business and Social Sciences	3
STA 2023 Elementary Statistics	3

	*Humanities	3
INP 1390	Human Relations in Business and Industry	3
ENC 1102	Writing About Non-Fiction	3
	Credit Hours	21

Required Professional Courses

CGS 1060	Introduction to Information Technology	3
COP 1000	Introduction to Programming and Algorithm Design	3
CGS 1100	Microcomputer Applications for Business and Economics	3
COT 1000	Data Processing Mathematics	3
COP 2837	Introduction to Programming with Visual Basic.NET	3
CGS 2542	Database Concepts for Microcomputers	3
CDA 2500	Computer Networks and Telecommunications	3
COP 2551	Introduction to Object-Oriented Programming with Java	3
COP 2702	Oracle SQL and PL/SQL	4
GE 1011	Introduction to Business	3
COP 2220	C Programming	3
CIS 2321	Information Systems	3
CIS 1943	Internship	3
	Credit Hours	40

Professional Electives (minimum 2 credit hours)

CIS 2930	Special Topics	3
CIS 2932	Special Topics	3
	Credit Hours	2

Total Credit Hours **63**

*Refer to A.S. degree **General Education Requirements**.

Note

This associate in science degree program is intended primarily for students who desire to complete an associate in science degree and become employed. Students who decide to pursue university transfer study must meet certain course and test requirements. For details refer to **the university transfer guide**.

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To request information, contact the Learner Support Center at info@fccj.edu or 904.646.2300.

Revised July 1, 2008