

2007-08 Catalog: Programs of Study

Information Technology

Computer developers are the people who change our lives as much as the fellow who invented the wheel. Without developers, computers are useless. Applications developers design, write, test, and debug software programs. Systems developers oversee and integrate the work of applications developers and serve as technical advisors to systems analysts, application programmers, and operations personnel.

There are five options within this program:

- **Information Technology** A.S. Degree
- **Customer Support Specialist** Technical Certificate
- **Web Development Specialist** Technical Certificate
- **Database Development Specialist** Technical Certificate
- **Computer Programming Specialist** Technical Certificate

Students may choose to pursue the Information Technology degree and earn technical certificates while completing the requirements for the degree, or pursue one or more certificate programs to develop or upgrade their skills in a particular field. Contact an advisor or counselor to determine the career education path that is best for you.

Database Development Specialist (6955)

Technical Certificate

Database operations are an important part of computer operations in almost every company and organization today. Electronic commerce depends upon the storage and processing of transactions in databases. Many E-commerce sites have databases attached to web pages. The Database Development Specialist Technical Certificate gives students experience in popular databases including Oracle and Microsoft SQL Server. FCCJ is an Oracle Academic Initiative (OAI) Partner with Oracle Corporation. Together we have developed a program that puts you on the fast track for a database career. This technical certificate prepares students for job entry in fields such as database applications development and database administration. Students learn skills necessary for design, development, maintenance, management, and administration of comprehensive relational databases for corporations and organizations. Graduates may seek positions as database developers, database programmers, database administrators, and database consultants. The Oracle courses in the database degree also provide a foundation for persons preparing for the Oracle Certified Professional (OCP) exams.

Articulations

All courses in this certificate program apply to the **Information Technology** AS/AAS degree.

Cost

Estimated cost of tuition is \$1,793 (tuition rated for Florida residents, as of 7/07). Contact the program manager for additional costs (textbooks, materials, fees).

Need More Information? Contact:

Rick Nelson, South Campus, 904.646.2061

More Information Online

Department of CIS and OST at South Campus

Curriculum

Course Number and Title	Credits
General Education	
COP 1000 Introduction to Programming and Algorithm Design	3
CTS 1405 Database Management and Design	3
COP 2822 Web Technologies	4
COP 2702 Oracle SQL and PL/SQL	4

COP 2745	Advanced Oracle PL/SQL Programming	3
CTS 2437	Introduction to SQL Server Database	3
COP 2551	Introduction to Object-Oriented Programming with Java	3
or COP 2252	Websphere Java Programming	
COP 2741	Database Administration	4
	Credit Hours	27
	Total Credit Hours	27

Please see the technical certificate **Graduation Requirements**.

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

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