

## 2007-08 Catalog: Programs of Study

### Network Services Technology

The Networking Services Technology program is for individuals interested in beginning or advancing a career in computer/network support. Computer and network support work involves installing, configuring, repairing, and managing computer and network hardware and software. It requires both hands-on skills and knowledge of theory and concepts. Because network technology is constantly changing and evolving, learning in this field never ends. The emphasis of the program is on teaching students a broad base of skills and knowledge in network and systems administration while also allowing the flexibility for students to pursue individual interests and specialties. With the ever-changing demands of the technology job market, this broad background and flexibility increases career opportunities available to graduates.

There are four options within this program:

- **Network Services Technology** A.S. or A.A.S. Degree
- **Information Technology Technician (Desktop Support)** Technical Certificate
- **Information Technology Management (Systems Administrator)** Technical Certificate

Students may choose to pursue an A.S. or A.A.S. 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.

### Network Services Technology (2145)

#### Associate in Science or Associate in Applied Science

If you want to join a dynamic technology team as a microcomputer technician or desktop support specialist, the Network Administrator program is a great way to start. You'll learn the basic skills and knowledge required to administer networks in Microsoft, Linux and Cisco environments.

The program can be a stepping stone to industry-recognized certifications including the CompTIA A+ Microcomputer Technician and Network+ Network Technician, Microsoft Certified Systems Administrator (MCSA), Cisco Certified Network Associate (CCNA), and various Linux certifications.

You may take advantage of credit-by-certification which allows you to skip courses and receive credit for equivalent certifications already attained. Once you have completed the core requirements of the program, you are free to choose your remaining classes from a vast array of technology offerings at Florida Community College.

#### Internships

A 180-hour internship is a required part of this degree program.

#### Career Opportunities, Rapid Placement

FCCJ is the regional resource for employers in every type of technology. Our partnerships with Cisco Systems, Dell, IBM, Microsoft, Oracle and Sun Microsystems provide career connections. An FCCJ intranet site posts jobs targeting our students. 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.

Two technical certificates are included as options within this degree program: **Information Technology Technician (Desktop Support)** and **Information Technology Management (Systems Administrator)**. Students may choose to pursue this A.S. or A.A.S. 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.

#### Annual Salaries

Starting annual salaries for Jacksonville average \$35,000 – \$40,000, the Florida average is \$57,021 and the national average is \$58,480.

#### Certification and Licensing

After completing the program, students can pursue industry-recognized certifications such as CompTIA's A+ Microcomputer Technician and Network+ Network Technician certifications, Microsoft's Certified

Systems Administrator (MCSA) certification, Cisco's Certified Network Associate (CCNA) certification, and various Linux certifications.

## Articulations

This A.S. degree program articulates into a bachelor's degree program. For more information, please visit the [Transfer Services](#) Web site.

## Cost

Estimated cost of tuition is \$4,183 (tuition rated for Florida residents as of 07/07). Contact the program manager for additional costs (textbook, materials, fees).

## Need More Information? Contact:

[Dave Langell](#), South Campus, 904.646.2313

## More Information Online

## Department of CIS and OST at South Campus

## Curriculum

<b>Course Number and Title</b>	<b>Credits</b>
<b>General Education Courses</b>	
<b>ENC 1101</b> English Composition I	3
*Mathematics	3
*Humanities	3
*Social and Behavioral Sciences	3
*Communication — Category B	3
<b>Credit Hours</b>	<b>15</b>
<b>Required Professional Courses</b>	
*** <b>CGS 1060</b> Introduction to Information Technology	3
<i>or</i> <b>CGS 1100</b> Microcomputer Applications for Business and Economics	
<b>CGS 1071</b> Network Technician Foundations	3
<b>CGS 1824</b> Internet Foundations	3
<b>CDA 1302</b> Hardware Configuration	3
<b>CDA 1403</b> Software Configuration	3
<b>CEN 1527</b> Network Configuration	3
<i>or</i> ** <b>CET 2600</b> Cisco I and <b>CET 2610</b> Cisco II	
<b>CEN 1528</b> Internetwork Configuration	3
<i>or</i> ** <b>CET 2615</b> Cisco III and <b>CET 2620</b> Cisco IV	
<b>CEN 1300</b> Microsoft Desktop Administration	3
<b>CEN 1304</b> Microsoft Server Administration	3
<b>COP 2341</b> Linux Workstation Administration	3
<b>COP 2347</b> Linux Network Administration	3
<b>CEN 2305</b> Microsoft Network Administration	3
<b>CEN 1943</b> Internship	3
<b>Credit Hours</b>	<b>39</b>
<b>Professional Electives (minimum 9 credit hours)</b>	
<b>CDA, CEN, CET, CGS, CIS</b> or <b>COP</b> prefix courses	
<b>Credit Hours</b>	<b>9</b>
<b>Total Credit Hours</b>	<b>63</b>

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

\*\*If Cisco Academy courses 1 through 4 are taken, **CET 2610** and **CET 2620** will be substituted for the **CEN 1527** and **CEN 1528** requirements. **CET 2600** and **CET 2615** will be applied toward the professional electives requirement.

\*\*\***CGS 1570** may be substituted for **CGS 1060** or **CGS 1100**.

### Note

You have two options in this program: the associate in science (A.S.) degree, which can prepare you for employment or transfer to a state university, and the associate in applied science (A.A.S.) degree, which is intended primarily for students who want immediate employment after graduation. If you choose the A.S. degree you must take **MAC 1105**, **MGF 1106** or a higher level mathematics. The A.A.S. degree requires **MAT 1033** or higher. Please see an advisor to determine the option that is best for you.

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To request information, contact the Learner Support Center at [info@fccj.edu](mailto:info@fccj.edu) or 904.646.2300.

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