

2007-08 Catalog: Programs of Study

Computer Engineering Technology (Cisco CCNP Technician)

The Cisco CCNP Technician subspecialty of the Computer Engineering Technology degree program emphasizes networking and internetworking, and includes the eight courses in the Cisco Networking Academy. Core classes are in computer repair, operating systems and basic networking. The program also emphasizes hands-on instruction with industry-standard equipment. The Cisco CCNP Technician subspecialty also will prepare you for Cisco's CCNA and CCNP certification exams.

There are four options within this program:

- **Computer Engineering Technology (Cisco CCNP Technician)** A.A.S. Degree
- **Cisco CCNA** Technical Certificate
- **Computer Specialist (Cisco CCNP)** Technical Certificate
- **Computer Forensics Specialist** Technical Certificate

Students may choose to pursue an A.A.S. degree and earn technical certificates while completing the requirements for the degree, or pursue one or more certificate field. Contact and advisor or counselor to determine the career education path that is best for you.

Students may complete a degree in only one of the two specialty tracks, Cisco CCNP or Computer Technicians. Students who wish to add a second area of specialization after completing a degree should pursue a technical certificate in that area.

Students who have completed the **Network Support Services** certificate program may apply to have their coursework evaluated for college credit and applied to these programs.

Computer Engineering Technology (Cisco CCNP Technician) (A373)

Associate in Applied Science

Cisco certifications are among the most recognized and rewarded in the technology industry. Through this A.A.S. degree program, you can become a Cisco Certified Network Professional (CCNP) Technician with expertise in internet-working and network support. The electives you choose will give you further experience with other platforms, hardware and operating systems. Skills in customer support and problem solving in a business environment are also emphasized. The coursework emphasizes hands-on experience with state-of-the-art equipment. This degree program includes eight courses in the Cisco Networking Academy.

Courses in this program are offered both days and evenings. Technical certificates, **Cisco CCNA**, **Computer Specialist (Cisco CCNP)** and **Computer Forensics Specialist**, are included as options within this degree program. Students may choose to pursue an 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.

Students may complete a degree in only one of the two specialty tracks, Cisco CCNP or Computer Technician. Students who wish to add a second area of specialization after completing a degree should pursue a technical certificate in that area. Students who have completed the **Network Support Services** certificate program may apply to have their coursework evaluated for college credit and applied to these programs.

Expected Job Outlook and Earnings

The job outlook for individuals who graduate from this program is excellent. Prospects are best for college graduates up to date with the latest skills, and some work experience is a plus. The average

salary in this field is \$61,000.

Internships

An internship is included to help you obtain the real-world experience hiring managers value. Students who have extensive work experience may apply to have their work evaluated to fulfill this requirement.

Career Opportunities, Rapid Placement

Florida Community College 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 intranet site posts jobs specifically targeting FCCJ students. 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.

Certification

This program will prepare you for Cisco's CCNA and CCNP certification exams, as well as A+ and Network+ certifications.

Application Procedure

To apply you must have an official high school transcript or a copy of your high school equivalency diploma.

Students are admitted in the fall and spring terms. You must meet with the instructor or program director before enrolling in courses.

Cost

Estimated cost of tuition is \$4,516 (for Florida residents, as of 7/07). Estimated cost of books, materials and fees is \$3,100. Estimated cost of the basic certification exam is \$1,100.

Need More Information? Contact:

Lance Wallace, Advanced Technology Center, 904.598.5676

Curriculum

Course Number and Title	Credits
General Education	
ENC 1101 English Composition I	3
*Mathematics	3
*Humanities	3
*Social and Behavioral Science	3
*Communications Category B	3
Credit Hours	15
Required Professional Courses	
CET 1514 Desktop Operating Systems	3
CET 2186 Computer Peripherals and Interfacing	3
CET 1742 Introduction to Network Configuration	3
CET 1175 Technical Support	3
CET 2600 Cisco I	3
CET 2610 Cisco II	3

CET 2615	Cisco III	3
CET 2620	Cisco IV	3
CET 2626	Building Scalable Networks	3
CET 2628	Building Remote Access Networks	3
CET 2627	Building Multilayer Switched Networks	3
CET 2629	Internetwork Troubleshooting Support	3
CET 2752	Network Administration	3
CET 2682	Voice Over IP (VoIP)	3
CET 2687	Security+	3
CET 1943	Internship	3
	Credit Hours	48

Professional Electives (minimum of 5 credit hours)

OST 1581	Professional Development in the Work Environment	3
CET 2179	A+ Certification Review	2
CET 2759	CCNA (Cisco Certified Network Associate) Certification Review	2
CET 2485	Network+ Certification Review	2
LIS 1002	Information Literacy (Online)	1
CET 1630	Fiber, Voice and Data Cabling	3
EET 1035	Fundamentals of DC/AC Electricity	3
CET 1114	Digital Fundamentals	3
ENC 2210	Technical Report Writing	3
CET 1520	Unix Fundamentals	3
CET 2521	Unix Administration I	3
CET 2522	Unix Administration II	3
CET 2636	Home Integration	3
CET 2660	Managing Network Security	3
CET 2665	Advanced Firewall Administration	3
CET 2662	Techniques of Computer Hacking and Incident Handling	3
CET 2796	Securing Windows	3
CET 2675	IP Telephony	3
CET 2481	Designing and Building Wireless Networks	3
CET 2681	Intrusion Detection Systems and Auditing	3
CET 2688	Principles and Practices of the CISSP	3
CET 2880	Data Forensics I — Basic	3
CET 2881	Data Forensics II — Advanced	3
	Credit Hours	5
	Total Credit Hours	68

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