

The Associate in Science (A.S.) Degree in Network Systems Technology provides students with computer-related technical skills for the I.T. industry.

The Network Systems Technology program is designed for individuals interested in beginning or advancing a career in computer/network support. Computer and network support involves installing, configuring, repairing, and managing computer and network hardware and software. It includes both hands-on skills and knowledge of theory and concepts.

<input checked="" type="checkbox"/> Task
<input type="checkbox"/> Explore career resources at fscj.edu/student-services/career-development .
<input type="checkbox"/> Meet with your advisor each term.
<input type="checkbox"/> Fulfill the Civic Literacy requirement.
<input type="checkbox"/> Satisfy the associate in science degree graduation requirements.

Optional Tracks

Students may select one or more technical tracks as they progress towards the A.S. degree. Each technical track aligns with a college credit technical certificate and consists of both professional core and professional elective course options. Technical tracks may be combined or “stacked” to create the 60 credit hour A.S. degree. Consult with your advisor or Program Manager to determine the path that best suits your academic goals.

Certification/Licensing

Upon completion of this program, student will be prepared to pursue industry recognized certifications such as CompTIA's A+ Microcomputer Technician certification, Network+, Security+, Microsoft, VMware, Citrix, and Cisco.

Advising

(904) 598-5676 or astechology@fscj.edu.

Sample Roadmap

This roadmap provides general guidance about recommended courses. For specific guidance about your individual academic degree plan, please see an advisor. Also refer to the College Catalog and class schedules for additional information. **Full-time students will refer to the term-by-term recommendations, and part-time students will take courses in the order listed.**

A minimum grade of C or higher must be achieved in all professional and professional elective courses, as well as courses used to satisfy the general education and civic literacy requirements. A list of professional elective coursework options is available on page 3.

Term 1

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	ENC 1101: English Composition I or ENC 1101C: English Composition I Enhanced	3 or 4	Varies
<input type="checkbox"/>	MAC 1105: College Algebra or higher-level MAC prefix course or MAP 2302: Differential Equations or MGF 1106: Topics in College Mathematics or MGF 1107: Explorations in Mathematics or STA 2023: Elementary Statistics	3-5	Varies
<input type="checkbox"/>	CTS 1131C: Hardware Configuration	3	All
<input type="checkbox"/>	CTS 1133C: Software Configuration	3	All

Term 2

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	CTS 1154: Technical Support	3	All
<input type="checkbox"/>	CTS 1120C: Fundamentals of Information Security	3	All
<input type="checkbox"/>	CNT 1015: Operating Systems Foundations	3	All
<input type="checkbox"/>	CET 2600C: Network Fundamentals (Cisco 1)	3	All

Term 3

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	CTS 2655C: Switching, Routing, and Wireless Essentials (Cisco 2)	4	All
<input type="checkbox"/>	CTS 1334: Server Configuration	4	All
<input type="checkbox"/>	Professional Elective	2-4	Varies

Term 4

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	AMH 2020: United States History From 1877 to the Present or POS 2041: American Federal Government	3	Varies
<input type="checkbox"/>	ARH 2000: Art in the Humanities or PHI 2010: Philosophy in the Humanities or MUL 2010: Music in the Humanities or LIT 2000: Literature in the Humanities or HUM 2020: Topics in the Humanities or THE 2000: Theatre in the Humanities	3	Varies
<input type="checkbox"/>	Professional Elective	2-4	Varies
<input type="checkbox"/>	Professional Elective	2-4	Varies

Important for You to Know

This academic roadmap does not include **developmental education courses** in reading, writing, and/or mathematics that you may be required to take. Students who place into developmental education courses are required to complete designated developmental education courses with a grade of C or higher regardless of program of study. In addition, it does not include **MAT 1033: Intermediate Algebra**, which, for many students, is a prerequisite course for MAC 1105.

Related Roadmaps

Embedded Technical Certificate(s)

Technical certificates are available within this degree program. Contact an advisor to determine the career education path that is best for you. Embedded technical certificates include:

- Network Support Technician
- Network Infrastructure
- Advanced Network Virtualization
- Digital Forensics
- Network Enterprise Administration
- IP Communications

Program Learning Outcomes

- Students will apply effective critical thinking skills when assessing solutions to information technology-related problems
- Students will prove knowledge identify general security concepts.
- Students will demonstrate technical proficiency in areas such as PC repair, Windows, Linux, or networking.
- Students will contribute to a technological work environment using effective non-technical workplace skills, such as teamwork, personal responsibility, communication and time management.

Term 5

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	BSC 1005: Life in Its Biological Environment or BSC 2010C: Principles of Biology I or BSC 2085C: Human Anatomy and Physiology I or AST 1002: Introduction to Astronomy or CHM 1020: Chemistry for Liberal Arts or CHM 2045C: General Chemistry and Qualitative Analysis I or ESC 1000: Earth and Space Science or EVR 1001: Introduction to Environmental Science or PHY 1020C: Physics for Liberal Arts with Laboratory or PHY 2048C: Physics I With Calculus or PHY 2053C: General Physics I	3-4	Varies
<input type="checkbox"/>	CNT 2942: Cooperative Education (Internship)	2	All
<input type="checkbox"/>	Professional Elective	2-4	Varies
<input type="checkbox"/>	Professional Elective	2-4	Varies

Total Program Credit Hours

The **Network Systems Technology** A.S. degree program requires a **minimum of 60 credit hours**.

Total program hours may vary based on the student's individual degree plan. Please see an advisor for individual guidance. This program **is eligible** for financial aid.

Optional Tracks

Students may select one or more of the following technical tracks as they progress towards the A.S. degree: Network Support Technician, Network Infrastructure, Advanced Network Visualization, Digital Forensics, Network Enterprise Administration and IP Communications. Each technical track aligns with a college credit technical certificate. Technical tracks may be combined or “stacked” to create the 63 credit hour A.S. degree. Please consult with your advisor or Program Manager to determine the path that best suits your academic goals. **Note:** Courses within the Network Support Technician track are fully contained within the professional coursework requirements for the Network Systems Technology degree.

Professional Elective Coursework Options

Minimum Credit Hours: 17

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Track(s)
<input type="checkbox"/>	CNT 2102C: Enterprise Networking, Security, and Automation (Cisco 3)	4	Network Infrastructure
<input type="checkbox"/>	CNT 2210: WAN Fundamentals (Cisco 4)	4	Network Infrastructure
<input type="checkbox"/>	CTS 2411: Information Storage Management	4	Advanced Network Virtualization
<input type="checkbox"/>	CTS 2370: Virtual Infrastructure: Installation and Configuration (VMware)	4	Advanced Network Virtualization
<input type="checkbox"/>	CTS 2371: Virtual Infrastructure: Deployment, Security, and Analysis (Cloud)	4	Advanced Network Virtualization
<input type="checkbox"/>	CTS 2372: Virtualized Desktop Infrastructure I	4	Advanced Network Virtualization
<input type="checkbox"/>	CAP 2140: Data Forensics I	4	Digital Forensics
<input type="checkbox"/>	CAP 2141: Data Forensics II: Advanced	4	Digital Forensics
<input type="checkbox"/>	CNT 2404: Intrusion Detection Systems and Auditing	4	Digital Forensics
<input type="checkbox"/>	CET 2662: Techniques of Computer Hacking and Incident Handling	4	Digital Forensics
<input type="checkbox"/>	CTS 2302: Server Administration	4	Advanced Network Virtualization, Network Enterprise Administration
<input type="checkbox"/>	CTS 2303: Configuring Advanced Server	4	Advanced Network Virtualization, Network Enterprise Administration
<input type="checkbox"/>	CTS 2304: Server Infrastructure	4	Network Enterprise Administration
<input type="checkbox"/>	CTS 2305: Advanced Server Infrastructure	4	Network Enterprise Administration
<input type="checkbox"/>	CTS 2960: Server Capstone	3	Network Enterprise Administration
<input type="checkbox"/>	CTS 2662: Voice over IP (VoIP)	4	IP Communications
<input type="checkbox"/>	CTS 1136: A+ Certification Review	2	
<input type="checkbox"/>	CTS 2657: Building Scalable Networks (CCNP Route)	4	
<input type="checkbox"/>	CET 2629: Internet Troubleshooting Support (CCNP TSHOOT)	4	
<input type="checkbox"/>	CTS 2659: Building Multilayer Switched Networks (CCNP Switch)	4	
<input type="checkbox"/>	CTS 2656: Basic Routing and Switching Certification Review	2	
<input type="checkbox"/>	CET 2588: Network+ Certification Review	2	