

About the Program

The Bachelor of Applied Science degree in Computer Systems Networking provides the requisite knowledge and skills essential for management of network engineering roles within public and private organizations.

This program requires a **minimum of 120 credit hours** including 60 transferrable college credit hours that are completed prior to applying to the program. Total program hours may vary based on the student's individual degree plan. This program is **eligible** for financial aid.

FSCJ bachelor's degree programs are part of Florida's 2+2 Program. For additional information, visit https://www.fldao.org/core/fileparse.php/3?url=/pathways_to_success.pdf.

Program Requirements

The bachelor's degree is for students who have earned an associate in arts or associate in science degree or 60 hours of transferable college credit. Students must fulfill all requirements outlined in the college catalog.

Important for You to Know

This academic roadmap does not include required lower division or general education coursework. In addition, it does not include program graduation requirements.

This program includes a **Mathematical Thinking in Context math pathway**. This pathway is intended for students in the broadest range of programs of study. In this pathway, students will explore a variety of mathematical concepts utilizing multiple ways of thinking to formulate and solve problems in context.

This program requires a **discipline-related internship** that provides students with meaningful work experience in a chosen career field. Students participate in networking projects outside the classroom to obtain cooperative education work experience. This internship requires fifty hours of on-the-job experience, including fifteen hours that are required off the job site.

Additional Information

- ⇒ **Program Information**, including advisor contact details: <https://www.fscj.edu/academics/programs/bs/S300>.
- ⇒ **Bachelor Degree Information**, including graduation requirements: <https://catalog.fscj.edu/academics/degree-certificate-programs/bachelors-degrees>.
- ⇒ **Program Requirements**: <https://catalog.fscj.edu/programs/S300>.
- ⇒ **Math Pathways Information**: <https://catalog.fscj.edu/academics/math-pathways>.

Sample Roadmap: Associate in Arts Pathway

This sample roadmap shows one possible pathway to program completion and may not be appropriate for all students.

Prior to enrolling in classes, please **meet with an advisor** for specific guidance about your individual academic plan. Some courses are offered only once per year; advising is critical for course progression.

See the **program requirements for general education course options.*

Term 1

Course	Credits
CTS 1131C - Hardware Configuration	3
CTS 1133C - Software Configuration	3
ISM 3013 - Introduction to Information Technology Management	3
CET 2600C - Network Fundamentals (Cisco 1)	3
CNT 1015C - Operating Systems Foundations	3

Term 2

Course	Credits
CTS 1334C - Server Configuration	4
CTS 2655C - Switching, Routing, and Wireless Essentials (Cisco 2)	4
CTS 1120C - Fundamentals of Information Security	3
CTS 1154C - Technical Support	3

Term 3

Course	Credits
CIS 3534C - Scripting for Network Professionals	4
CNT 4708C - Advanced Network Traffic Analysis	4
CNT 3014C - Enterprise Systems Integration	4
CNT 2102C - Enterprise Networking, Security, and Automation (Cisco 3)	4

Term 4

Course	Credits
CNT 3105C - Software Defined Networking	3
ISM 3014 - Service Support Management	4
CNT 4509C - Advanced Convergent Technologies	4
CTS 2370C - Virtual Infrastructure: Installation and Configuration (VMware)	4

Term 5

Course	Credits
ISM 4220C - Network Management for Information Professionals	3
CNT 3403C - Firewall Configuration and Design	3
CNT 4940 - Cooperative Education (Internship)	2
CNT 4931C - Computer Networking Capstone	4

Sample Roadmap: Associate in Science Pathway

This sample roadmap shows one possible pathway to program completion and may not be appropriate for all students.

Prior to enrolling in classes, please **meet with an advisor** for specific guidance about your individual academic plan. Some courses are offered only once per year; advising is critical for course progression.

See the **program requirements for general education course options.*

Term 1

Course	Credits
CIS 3534C - Scripting for Network Professionals	4
ISM 3013 - Introduction to Information Technology Management	3
CNT 4708C - Advanced Network Traffic Analysis	4
ENC 1102 - Writing About Texts	3

Term 2

Course	Credits
SPC 2017 - Introduction to Speech Communications or SPC 2065 - Speech Communication for Business and the Professions or SPC 2608 - Fundamentals of Public Speaking	3
General Education Mathematics course	3-5
CNT 3014C - Enterprise Systems Integration	4
CNT 3105C - Software Defined Networking	3

Term 3

Course	Credits
General Education Natural Sciences course	3-4
General Education Social and Behavioral Sciences course	3
ISM 4220C - Network Management for Information Professionals	3
CNT 3403C - Firewall Configuration and Design	3

Term 4

Course	Credits
General Education Humanities course	3
General Education Social and Behavioral Sciences course	3
ISM 3014 - Service Support Management	4
CNT 4509C - Advanced Convergent Technologies	4

Term 5

Course	Credits
CNT 4940 - Cooperative Education (Internship)	2
CNT 4931C - Computer Networking Capstone	4