

About the Program

The Technical Certificate (T.C.) in IP Communications teaches the basic skills and knowledge needed to work as an entry-level computer technician or desktop support specialist.

Students also learn to administer network voice systems and services. Graduates will be prepared to for work as entry-level network voice engineers or network systems or voice administrators.

This program requires a **minimum of 32 credit hours**. Total program hours may vary based on the student's individual academic degree plan. This program **is eligible** for financial aid.

Program Requirements

Students must fulfill all requirements outlined in the college catalog.

Important for You to Know

This academic roadmap does not include developmental education courses in reading, writing, and/or mathematics or other prerequisite courses that you may be required to take. In addition, it does not include technical certificate graduation requirements.

Students in this certificate program are not required to complete math courses unless they are listed as part of the certificate program. Upon successful completion of the program, students may receive articulated college credit toward the Network Systems Technology (2156) (A.S.) degree, which 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.

Additional Information

- ⇒ **Program Information**, including advisor contact details: <https://www.fscj.edu/6114>.
- ⇒ **Technical Certificate Information**, including graduation requirements: <https://catalog.fscj.edu/academics/degree-certificate-programs/technical-certificates>.
- ⇒ **Program Requirements**: <https://catalog.fscj.edu/programs/6114>.
- ⇒ **Math Pathways Information**: <https://catalog.fscj.edu/academics/math-pathways>.

Sample Roadmap

This roadmap shows one possible pathway to complete this program. While suitable for many students, this pathway may not represent the best option 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.

Term 1

Course	Credits
CTS 1131C - Hardware Configuration	3
CTS 1133C - Software Configuration	3
CTS 1154C - Technical Support	3

Term 2

Course	Credits
CET 2600C - Network Fundamentals (Cisco 1)	3
CTS 1120C - Fundamentals of Information Security	3
CNT 1015C - Operating Systems Foundations	3

Term 3

Course	Credits
CTS 1334C - Server Configuration	4
CTS 2655C - Switching, Routing, and Wireless Essentials (Cisco 2)	4

Term 4

Course	Credits
CTS 2662 - Voice over IP (VoIP)	4
CNT 2942 - Cooperative Education (Internship)	2