

CIT, COMPTIA SECURITY+, ICLC



Build Your Foundation in Cybersecurity

San Jacinto College's Cybersecurity learning pathway prepares students to secure computers, networks, and digital infrastructure against modern cyber threats. The CIT, CompTIA Security+, ICLC provides focused training in essential cybersecurity concepts, including network security, threats and vulnerabilities, risk mitigation, identity management, cryptography, and the protection of systems and data. The credential develops practical cybersecurity knowledge that can be applied in the workplace and supports continued education within the College's Cybersecurity pathway.

Career Opportunities and Income

Visit the Department Website (<https://www.sanjac.edu/programs/areas-of-study/stem/cyber-security/>) for information regarding career opportunities and potential earnings in the Greater Houston region.

Learning & Career Pathway

This learning pathway — a series of related and “stacked” certificates and degrees — includes the following awards. You can start at any point on the path and earn certificates on your way to completing the degree.

- CIT, CompTIA Security+, ICLC (p. 1) (6 credit hours)
- CIT, Information Technology Cybersecurity Specialty, Certificate of Technology (<https://publications.sanjac.edu/areas-study/science-technology-engineering-math/cit-information-technology-security-specialty-certificate-technology/>) (+15 credit hours)
- CIT, Network Administration Cisco Specialty, Certificate of Technology (<https://publications.sanjac.edu/areas-study/science-technology-engineering-math/cit-network-administration-cisco-specialty-certificate-technology/>) (+15 credit hours)
- CIT, Information Technology Cybersecurity Specialty, Associate of Applied Science (<https://publications.sanjac.edu/areas-study/science-technology-engineering-math/cit-information-technology-security-specialty-aas/>) (+27 credit hours)
- CIT, Information Technology Cybersecurity, Bachelor of Applied Technology (<https://publications.sanjac.edu/areas-study/science-technology-engineering-math/cit-information-technology-cyber-security-bat/>) (+60 credit hours)

Learning Outcomes and Career Skills

A student completing the last award in the pathway will be able to:

- Utilize network transmission media across various network topologies using a variety of operating systems.

- Develop a security plan implementing asset risk management.
- Develop viable solutions to mitigate network security risks to protect assets.
- Utilize appropriate tools to prevent security threats.
- Implement and test firewall security systems.
- Deploy countermeasures to minimize the impact of a breach in network security.

Locations

- Central (<https://sanjac.edu/about/locations/central/>)
- Generation Park (<https://sanjac.edu/about/locations/generation-park/>)
- North (<https://sanjac.edu/about/locations/north/>)
- South (<https://sanjac.edu/about/locations/south/>)

College Admission

San Jacinto College is an open admission institution. All students are welcome to apply and will be admitted to the College. You may begin the process on the College's “How to Apply (<https://www.sanjac.edu/admissions/how-to-apply/>)” webpage.

Program Admission

There are no additional admission requirements for this program; you only need to complete your application to the College, as noted in “College Admission” above, and follow the enrollment steps.

Plan of Study

IC-COMPTIA

Course	Title	Credits
First Year		
First Term		
ITSY 1342	Information Technology Security	3
ITSY 2301	Firewalls and Network Security	3
Credits		6
Total Credits		6

Licensure or Certification: CompTIA Security+