SAN JACINTO COLLEGE

SAN JACINTO COLLEGE

South Campus Engineering and Technology Center

San Jacinto College's Cybersecurity program offers a comprehensive, hands-on educational experience designed to prepare students for the dynamic field of information security. With multiple pathways, including certificates, associate degrees, and the recently introduced Bachelor of Applied Technology (BAT) in Cybersecurity, the program provides students with the flexibility to advance their careers at various levels.

A standout feature of the program is the on-campus Security Operations Center (SOC), which sets it apart from traditional classroom-based cybersecurity education. The SOC serves as a hands-on training ground where students gain real-world experience in live threat detection and response, working alongside the College's IT security team. In this controlled environment, students monitor live network activity for potential cyber threats, analyze security logs and alerts to detect anomalies, and respond to simulated cyberattacks, developing practical skills in incident handling. They also utilize industry-standard tools such as Security Information and Event Management (SIEM) systems, intrusion detection software, and forensic analysis tools.

This immersive experience mirrors real-world cybersecurity operations, allowing students to practice ethical hacking, penetration testing, and threat hunting in an environment that reflects security roles in businesses, government agencies, and critical infrastructure sectors. By the time they graduate, students have already worked in a SOC setting, making them highly competitive in the job market. This hands-on approach ensures they are not only well-versed in cybersecurity theory but also fully prepared to tackle real-world cyber threats from day one of their careers.

DESIGNATIONS

• CAE-Cyber Defense

CONTACT INFORMATION

Rizwan Virani
rizwan.virani@sjcd.edu

sanjac.edu

Security Operation Center