

The Associate in Science (A.S.) Degree in I.T. Security offers a high quality and relevant program that prepares students for distinctive success in I.T. Security careers.

The program provides students with a solid foundation in all aspects of accounting practices used in business as well as government and not-for-profit organizations.

<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.

Career Options

The I.T. Security program is for individuals interested in beginning or advancing a career in computer/network security, focusing on digital forensics and provides the skills needed to investigate computer, cyber, and electronic crimes. The program focuses on digital forensics techniques, procedures, assuring that digital evidence is accurate, complete, and reliable.

Advising

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

Sample Roadmap

This roadmap provides general guidance about required 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 courses, as well as courses used to satisfy the general education and civic literacy requirements.

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 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
<input type="checkbox"/>	CTS 1334: Server Configuration	4	All

Term 3

<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"/>	AMH 2020: United States History From 1877 to the Present or POS 2041: American Federal Government	3	Varies
<input type="checkbox"/>	CTS 2655C: Switching, Routing, and Wireless Essentials (Cisco 2)	4	All
<input type="checkbox"/>	CAP 2140: Data Forensics I	4	All

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.

Term 4

Note: CET 2662 and CNT 2404 may be offered in seven-week sessions with CET 2662 offered in the A7 session and CNT 2505 offered in the C7 session. Please speak with your advisor for more information.

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<input type="checkbox"/>	CAP 2141: Data Forensics II – Advanced	4	All
<input type="checkbox"/>	CET 2662: Techniques of Computer Hacking and Incident Handling	4	All
<input type="checkbox"/>	CNT 2404: Intrusion Detection Systems and Auditing	4	All

Term 5

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered
<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"/>	CNT 2942: Cooperative Education (Internship)	2	All
<input type="checkbox"/>	CTS 2314: Offensive Security (Advanced Penetration Testing)	4	All

Total Program Credit Hours

The **I.T. Security 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.

Program Learning Outcomes

- Students will identify vulnerabilities inherent in network devices, protocols and service to secure network infrastructures and protecting data.
- Student will identify physical and logical weaknesses in computers and networks by performing security penetration testing.
- Students will explain contingency planning and its components when responding to cybersecurity incidents
- Student will explain the processes by which data is collected for a forensic analysis.