

## I.T. Security Program Roadmap

Use this roadmap to guide your progress and keep you moving toward graduation.

- ☒ **Avoid surprises** – Meet with your advisor each term to monitor your progress and address concerns early.
- ☒ **Review course requirements** – Check course prerequisites, corequisites, and conditions before registering each term to ensure you meet all requirements and stay on track for graduation.
- ☒ **Stay eligible** – Maintain your GPA and complete required courses to remain in good standing.
- ☒ **Graduate on time** – Stay on schedule to avoid delays and excess credit hours that may not be covered by financial aid.

### About the Program

**Credit Hours:** 60 total credit hours. Total hours may vary based on individual academic plan. Prior to enrolling in classes, please meet with an advisor for specific guidance about your individual academic plan.

### Minimum Grade Requirement(s)

A minimum grade of C or higher must be achieved in:

- ☐ All Professional coursework
- ☐ All General Education coursework

### Stay on Track

Meet the associate in science degree graduation requirements:

- ☐ Complete all academic requirements for this program outlined in the Florida State College at Jacksonville catalog and curriculum.
- ☐ Earn a cumulative grade point average (GPA) of 2.0 (C) at Florida State College at Jacksonville in courses applicable to the Associate in Science degree programs, excluding developmental education courses.
- ☐ Earn an all-college cumulative grade point average of 2.0 (C) on a 4.0 scale on all courses attempted. This includes Florida State College at Jacksonville college-credit semester hours and transferred credits (excluding developmental education) in lower division courses.
- ☐ Complete at least 25 percent of the total hours required for the program in residence at Florida State College at Jacksonville. Credit by examination and credit for prior learning do not count toward this residency requirement.
- ☐ Complete the required semester hours for the degree, as including a minimum of 15 semester hours in General Education.
- ☐ Demonstrate competency in civic literacy by:
  - ☐ Completing a civic literacy course – AMH 2010, AMH 2020, or POS 2041 – with a grade of C or higher.
  - ☐ Achieving of the required standard score on a state-approved assessment.
- ☐ Earn a grade of a C or higher in each course used to satisfy the general education requirements and any other area designated as requiring a grade of C or higher.
- ☐ Satisfy all financial and other obligations to the College prior to graduation.

### More Information Online

**Program Webpage:** [fscj.edu/program?pcode=2158](https://fscj.edu/program?pcode=2158)

**Program Catalog Page:** [catalog.fscj.edu/programs/2158](https://catalog.fscj.edu/programs/2158)

## Sample Roadmap

### Term 1

| Course                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Credits | Course Type       | Terms Offered        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------|----------------------|
| ENC 1101 – English Composition I <b>or</b> ENC 1101C – English Composition I Enhanced                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3-4     | General Education | Fall, Spring, Summer |
| MAC 1105 – College Algebra <b>or</b> MAC 1105C – College Algebra Enhanced<br><b>or</b> MAC 1114 – College Trigonometry <b>or</b> MAC 1140 – Precalculus Algebra<br><b>or</b> MAC 1147 – Precalculus Algebra and Trigonometry<br><b>or</b> MAC 2233 – Calculus for Business and Social Sciences<br><b>or</b> MAC 2311 – Calculus With Analytic Geometry I <b>or</b> MAC 2312 – Calculus With Analytic Geometry II<br><b>or</b> MAC 2313 – Calculus With Analytic Geometry III <b>or</b> MAP 2302 – Differential Equations<br><b>or</b> MGF 1130 – Mathematical Thinking <b>or</b> STA 2023 – Elementary Statistics | 3-5     | General Education | Fall, Spring, Summer |
| CTS 1133C – Software Configuration (Industry Certifications: CompTIA A+, CompTIA IT Fundamentals)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3       | Professional      | Fall, Spring, Summer |
| CTS 1131C – Hardware Configuration (Industry Certifications: CompTIA A+, CompTIA IT Fundamentals)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3       | Professional      | Fall, Spring, Summer |

### Term 2

| Course                                                                                                     | Credits | Course Type  | Terms Offered        |
|------------------------------------------------------------------------------------------------------------|---------|--------------|----------------------|
| CTS 1120C – Fundamentals of Information Security<br>(Industry Certifications: CompTIA Security+)           | 3       | Professional | Fall, Spring, Summer |
| CNT 1015C – Operating Systems Foundations (Industry Certifications: Linux +)                               | 3       | Professional | Fall, Spring, Summer |
| CET 2600C – Network Fundamentals (Cisco 1)<br>(Industry Certifications: Cisco Certified Network Associate) | 3       | Professional | Fall, Spring, Summer |
| CTS 1334C – Server Configuration (Industry Certifications: MCSA Windows Server 2016)                       | 4       | Professional | Fall, Spring, Summer |

### Term 3

Begin to look for an internship. Check your myFSCJ email for more information on the internship placeholder class. Email [infotechprograms@fscj.edu](mailto:infotechprograms@fscj.edu) with internship questions.

| Course                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Credits | Course Type                           | Terms Offered        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------|----------------------|
| AST 1002 – Introduction to Astronomy <b>or</b> BSC 1005 – Life in Its Biological Environment<br><b>or</b> BSC 2010C – Principles of Biology I <b>or</b> BSC 2085C – Human Anatomy and Physiology I<br><b>or</b> CHM 1020 – Chemistry for Liberal Arts<br><b>or</b> CHM 2045C – General Chemistry and Qualitative Analysis I<br><b>or</b> ESC 1000 – Earth and Space Science <b>or</b> EVR 1001 – Introduction to Environmental Science<br><b>or</b> OCE 2001 – Survey of Oceanography <b>or</b> PHY 1020C – Physics for Liberal Arts with Laboratory<br><b>or</b> PHY 2048C – Physics I with Calculus <b>or</b> PHY 2053C – General Physics I | 3       | General Education                     | Fall, Spring, Summer |
| AMH 2010 – United States History to 1877<br><b>or</b> AMH 2020 – United States History from 1877 to the Present<br><b>or</b> POS 2041 – American Federal Government                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3-4     | General Education<br>& Civic Literacy | Fall, Spring, Summer |
| CTS 2655C – Switching, Routing, and Wireless Essentials (Cisco 2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4       | Professional                          | Fall, Spring, Summer |
| CAP 2140C – Data Forensics I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4       | Professional                          | Fall, Spring, Summer |

### Term 4

| Course                                                           | Credits | Course Type  | Terms Offered                      |
|------------------------------------------------------------------|---------|--------------|------------------------------------|
| CAP 2141C – Data Forensics II – Advanced                         | 4       | Professional | Fall, Spring, Summer               |
| CET 2662C – Techniques of Computer Hacking and Incident Handling | 4       | Professional | Fall, Spring, Summer<br>A7 session |
| CNT 2404C – Intrusion Detection Systems and Auditing             | 4       | Professional | Fall, Spring, Summer<br>C7 session |

### Term 5

| Course                                                                                                                                                                                                                                                                               | Credits | Course Type       | Terms Offered        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------|----------------------|
| ARH 2000 – Art in the Humanities <b>or</b> HUM 2020 – Topics in the Humanities<br><b>or</b> LIT 2000 – Literature in the Humanities <b>or</b> MUL 2010 – Music in the Humanities<br><b>or</b> PHI 2010 – Philosophy in the Humanities <b>or</b> THE 2000 – Theatre in the Humanities | 3       | General Education | Fall, Spring, Summer |
| CNT 2942 – Cooperative Education (Internship)                                                                                                                                                                                                                                        | 2       | Professional      | Fall, Spring, Summer |
| CTS 2314C – Offensive Security (Advanced Penetration Testing) (Industry Certifications: EC Council Ethical Hackers Associate)                                                                                                                                                        | 4       | Professional      | Fall, Spring, Summer |