

## Computer Systems Networking 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, review the foreign language requirement 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

FSCJ bachelor's degree programs are part of Florida's 2+2 Program. Learn more at [floridashines.org/2-2-program](http://floridashines.org/2-2-program).

**Credit Hours:** 120 total credit hours, including 60 transferrable college credit hours that are completed prior to applying to the program. 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 is required in:

- All Upper Division coursework
- All General Education coursework

### Stay on Track

Meet the bachelor's degree graduation requirements:

- Fulfill all academic requirements for the chosen program of study as outlined in the Florida State College at Jacksonville catalog and curriculum.
- Earn minimum prescribed semester hours for the selected bachelor's degree with at least a 2.0 (C) on a 4.0 scale for an all-college cumulative grade point average. This includes Florida State College at Jacksonville college-credit semester hours and transferred credits (excluding developmental education) in lower- and upper-division courses.
- Earn at least a C in each course used to satisfy the General Education Requirements and any other area designated with a C or higher in each course.
- Earn a minimum of 25 percent of all credits used to satisfy the baccalaureate degree course requirements from Florida State College at Jacksonville (for example, a minimum of 30 credits for a 120-credit bachelor's degree). Credit by examination and credit for prior learning do not count toward this residency requirement.
- Fulfill the 36-college credit Florida General Education Requirements (note: 45 semester hours of required General Education for the B.S.N. degree and 51 semester hours of required General Education for the Bachelor of Science in Biomedical Sciences degree), including the required core course options as listed in s. 1007.25(3), Florida Statute, and State Board Rule 6A.14.0303, Florida Administrative Code.
- Demonstrate competency in civic literacy in accordance with s. 1007.25, Florida Statutes, and State Board of Education Rule 6A-10.02413, Florida Administrative Code. Per guidelines established by Senate Bill 1108, competency is demonstrated by
  - Completing one of three civic literacy courses (AMH 2010, AMH 2020 or POS 2041) with a grade of C or higher, AND
  - Achieving a passing score on a state-approved assessment.
- Fulfill the Foreign Language requirement.
- Fulfill all obligations, financial or otherwise, to the College before graduation.

### More Information Online

**Program Webpage:** [fscj.edu/program?pcode=S300](http://fscj.edu/program?pcode=S300)

**Program Catalog Page:** [catalog.fscj.edu/programs/S300](http://catalog.fscj.edu/programs/S300)

**Associate in Arts Pathway: Sample Roadmap**

**Term 1**

Course	Credits	Course Type	Terms Offered
CTS 1131C – Hardware Configuration	3	Lower Division	Fall, Spring, Summer
CTS 1133C – Software Configuration	3	Lower Division	Fall, Spring, Summer
ISM 3013 – Introduction to Information Technology Management	3	Upper Division	Fall, Spring, Summer
CET 2600C – Network Fundamentals (Cisco 1)	3	Lower Division	Fall, Spring, Summer
CNT 1015C – Operating Systems Foundations	3	Lower Division	Fall, Spring, Summer

**Term 2**

Course	Credits	Course Type	Terms Offered
CTS 1334C – Server Configuration	4	Lower Division	Fall, Spring, Summer
CTS 2655C – Switching, Routing, and Wireless Essentials (Cisco 2)	4	Lower Division	Fall, Spring, Summer
CTS 1120C – Fundamentals of Information Security	3	Lower Division	Fall, Spring, Summer
CTS 1154C – Technical Support	3	Lower Division	Fall, Spring, Summer

**Term 3**

Course	Credits	Course Type	Terms Offered
CIS 3534C – Scripting for Network Professionals	4	Upper Division	Fall, Spring, Summer
CNT 4708C – Advanced Network Traffic Analysis	4	Upper Division	Fall, Spring, Summer
CNT 3014C – Enterprise Systems Integration	4	Upper Division	Fall, Spring, Summer
CNT 2102C – Enterprise Networking, Security, and Automation (Cisco 3)	4	Lower Division	Fall, Spring, Summer

**Term 4**

Course	Credits	Course Type	Terms Offered
CNT 3105C – Software Defined Networking	3	Upper Division	Fall, Spring, Summer
ISM 3014 – Service Support Management	4	Upper Division	Fall, Spring, Summer
CNT 4509C – Advanced Convergent Technologies	4	Upper Division	Fall, Spring, Summer
CTS 2370C – Virtual Infrastructure: Installation and Configuration	4	Lower Division	Fall, Spring, Summer

**Term 5**

Course	Credits	Course Type	Terms Offered
ISM 4220C – Network Management for Information Professionals	3	Upper Division	Fall, Spring, Summer
CNT 3403C – Firewall Configuration and Design	3	Upper Division	Fall, Spring, Summer
CNT 4940 – Cooperative Education (Internship)	2	Upper Division	Fall, Spring, Summer
CNT 4931C – Computer Networking Capstone	4	Upper Division	Fall, Spring, Summer

**Associate in Arts Pathway: General Education and Lower Division Elective Coursework**

Students may have completed these courses while earning their Associate in Arts degree.

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
ENC 1102 – Writing About Texts	3	General Education	Fall, Spring, Summer
SPC 2017 – Introduction to Speech Communications <b>or</b> SPC 2065 – Speech Communication for Business and the Professions <b>or</b> SPC 2608 – Fundamentals of Public Speaking	3	General Education	Fall, Spring, Summer
Humanities State Core course	3	General Education	Fall, Spring, Summer
Humanities course	3	General Education	Fall, Spring, Summer
Mathematics State Core course	3-5	General Education	Fall, Spring, Summer
Mathematics course	3-5	General Education	Fall, Spring, Summer
Natural Sciences State Core course	3-4	General Education	Fall, Spring, Summer
Natural Sciences course	3-4	General Education	Fall, Spring, Summer
Social and Behavioral Sciences: Civic Literacy course	3	General Education	Fall, Spring, Summer
Social and Behavioral Sciences course	3	General Education	Fall, Spring, Summer
Social and Behavioral Sciences course	3	General Education	Fall, Spring, Summer
Any associate degree coursework	15	Lower Division Elective	n/a

**Associate in Science Pathway: Sample Roadmap**

**Term 1**

Course	Credits	Course Type	Terms Offered
CIS 3534C – Scripting for Network Professionals	4	Upper Division	Fall, Spring, Summer
ISM 3013 – Introduction to Information Technology Management	3	Upper Division	Fall, Spring, Summer
CNT 4708C – Advanced Network Traffic Analysis	4	Upper Division	Fall, Spring, Summer
ENC 1102 – Writing About Texts	3	General Education	Fall, Spring, Summer

**Term 2**

Course	Credits	Course Type	Terms Offered
SPC 2017 – Introduction to Speech Communications <b>or</b> SPC 2065 – Speech Communication for Business and the Professions <b>or</b> SPC 2608 – Fundamentals of Public Speaking	3	General Education	Fall, Spring, Summer
Mathematics course	3-5	General Education	Fall, Spring, Summer
CNT 3014C – Enterprise Systems Integration	4	Upper Division	Fall, Spring, Summer
CNT 3105C – Software Defined Networking	3	Upper Division	Fall, Spring, Summer

**Term 3**

Course	Credits	Course Type	Terms Offered
Natural Sciences course	3-4	General Education	Fall, Spring, Summer
Social and Behavioral Sciences course	3	General Education	Fall, Spring, Summer
ISM 4220C – Network Management for Information Professionals	3	Upper Division	Fall, Spring, Summer
CNT 3403C – Firewall Configuration and Design	3	Upper Division	Fall, Spring, Summer

**Term 4**

Course	Credits	Course Type	Terms Offered
Humanities course	3	General Education	Fall, Spring, Summer
Social and Behavioral Sciences course	3	General Education	Fall, Spring, Summer
ISM 3014 – Service Support Management	4	Upper Division	Fall, Spring, Summer
CNT 4509C – Advanced Convergent Technologies	4	Upper Division	Fall, Spring, Summer

**Term 5**

Course	Credits	Course Type	Terms Offered
CNT 4940 – Cooperative Education (Internship)	2	Upper Division	Fall, Spring, Summer
CNT 4931C – Computer Networking Capstone	4	Upper Division	Fall, Spring, Summer

**Associate in Science Pathway: General Education and Lower Division Coursework**

Students may have completed these courses while earning their Associate in Science degree.

Course	Credits	Course Type	Terms Offered
CTS 1131C – Hardware Configuration	3	Lower Division	Fall, Spring, Summer
CTS 1133C – Software Configuration	3	Lower Division	Fall, Spring, Summer
CET 2600C – Network Fundamentals (Cisco 1)	3	Lower Division	Fall, Spring, Summer
CNT 1015C – Operating Systems Foundations	3	Lower Division	Fall, Spring, Summer
CTS 1334C – Server Configuration	4	Lower Division	Fall, Spring, Summer
CTS 2655C – Switching, Routing, and Wireless Essentials (Cisco 2)	4	Lower Division	Fall, Spring, Summer
CTS 1120C – Fundamentals of Information Security	3	Lower Division	Fall, Spring, Summer
CTS 1154C – Technical Support	3	Lower Division	Fall, Spring, Summer
CNT 2102C – Enterprise Networking, Security, and Automation (Cisco 3)	4	Lower Division	Fall, Spring, Summer
CTS 2370C – Virtual Infrastructure: Installation and Configuration	4	Lower Division	Fall, Spring, Summer
ENC 1101 – English Composition I <b>or</b> ENC 1101C – English Composition I Enhanced	3-4	General Education	Fall, Spring, Summer
Humanities State Core course	3	General Education	Fall, Spring, Summer
Mathematics State Core course	3-5	General Education	Fall, Spring, Summer
Natural Sciences State Core course	3-4	General Education	Fall, Spring, Summer
Social and Behavioral Sciences: Civic Literacy course	3	General Education	Fall, Spring, Summer
Any associate degree coursework	15	Lower Division Elective	n/a