

Information Systems Technology 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.

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 must be achieved in:

- All Upper Division courses
- All General Education coursework

Available Upper Division Elective Coursework

Students must select from one of the following concentrations.

Application Development Concentration

- CEN 3024C – Software Development I, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.
- CEN 3083C – Introduction to Cloud Computing, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.
- CEN 4025C – Software Development II, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.
- CEN 4802C – Software Integration, Configuration and Testing, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.
- CEN 4940 – Application Development Capstone, Credit Hours: 3. Terms Offered: Summer.
- COP 3330C – Object–Oriented Programming, Credit Hours: 3. Terms Offered: Fall, Summer, Summer.
- COP 3813C – Web Application Development, Credit Hours: 3. Terms Offered: Fall, Summer, Summer.
- COP 4655C – Application Development for Mobile Devices, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.
- COP 4847C – Advanced Web Application Development, Credit Hours: 3. Terms Offered: TBA Fall, Spring, Summer.

FinTech Concentration

- FIN 3400 – Financial Management, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.
- FIN 3450 – Foundations of FinTech, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.
- FIN 3740 – Data Ethics and Regulatory Concepts in FinTech, Credit Hours: 3. Terms Offered: TBA.
- FIN 4451 – FinTech Capstone, Credit Hours: 3. Terms Offered: TBA.
- IDC 3021C – Technology in FinTech, Credit Hours: 3. Terms Offered: Fall.
- IDC 4022C – Machine Learning for FinTech, Credit Hours: 3. Terms Offered: Summer.
- IDC 4251C – Data Mining for FinTech, Credit Hours: 3. Terms Offered: Spring.
- IDC 4252C – Data Analytics for FinTech, Credit Hours: 3. Terms Offered: Spring.
- ISM 3232C – FinTech Application Development, Credit Hours: 3. Terms Offered: Spring.

Information Technology Management Concentration

- BUL 3130 – Business Law and Ethics, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.
- FIN 3400 – Financial Management, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.
- GEB 4891 – Strategic Management and Decision Making, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.
- ISM 3013 – Introduction to Information Technology Management, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.
- ISM 4220C – Network Management for Information Professionals, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.
- ISM 4302 – Information Technology Planning, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.
- ISM 4480 – Electronic Commerce Systems and Strategies, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.
- ISM 4881 – Capstone in Information Technology Management, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.
- MAN 3240 – Organizational Behavior, Credit Hours: 3. Terms Offered: Fall, Spring, Summer.

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=S301

Program Catalog Page: catalog.fscj.edu/programs/S301

Associate in Arts Pathway

Sample Roadmap for Lower Division and Upper Division Coursework

Students may have completed some of these courses prior to applying to the program.

Term 1

Course	Credits	Course Type	Terms Offered
GEB 3213 – Business Writing	3	Upper Division	Fall, Spring, Summer
COP 1000C – Introduction to Computer Programming	3	Lower Division	Fall, Spring, Summer
CTS 1131C – Hardware Configuration	3	Lower Division	Fall, Spring, Summer
CTS 1133C – Software Configuration	3	Lower Division	Fall, Spring, Summer

Term 2

Note: Students who plan to select the **Application Development concentration** must take COP 2551C, COP 2360C or COP 2800C. Students who plan to select the **Information Technology Management concentration** must take COP 2551C, COP 2800C or COP 2842C.

Course	Credits	Course Type	Terms Offered
CTS 1120C – Fundamentals of Information Security	3	Lower Division	Fall, Spring, Summer
CGS 1100C – Microcomputer Applications for Business and Economics	3	Lower Division	Fall, Spring, Summer
CIS 2321C – Information Systems	3	Lower Division	Fall, Spring, Summer
COP 2551C – Introduction to Object Oriented Programming with Java or COP 2360C – Introduction to C# or COP 2800C – Java 1 or COP 2842C – Internet Programming	3-4	Lower Division	Fall, Spring, Summer

Term 3

Note: Students who plan to select the **Application Development concentration** must take CEN 2071C. Students who plan to select the **Information Technology Management concentration** must take MAN 2582.

Course	Credits	Course Type	Terms Offered
MAN 2582 – Introduction to Project Management or CEN 2071C – Secure Software Testing	3	Lower Division	Fall, Spring, Summer
CTS 2437C – SQL Server I – Fundamentals	3	Lower Division	Fall, Spring, Summer
CNT 2001C – Computer Networks and Telecommunications or CET 2600C – Network Fundamentals (Cisco 1)	3	Lower Division	Fall, Spring, Summer
Upper Division Concentration course	3	Upper Division Concentration	Varies

Term 4

Course	Credits	Course Type	Terms Offered
ISM 4212C – Database and Physical Design	3	Upper Division	Fall, Spring, Summer
Upper Division Concentration course	3	Upper Division Concentration	Varies
Upper Division Concentration course	3	Upper Division Concentration	Varies
Upper Division Concentration course	3	Upper Division Concentration	Varies

Term 5

Course	Credits	Course Type	Terms Offered
ISM 3113C – Systems Analysis and Design	3	Upper Division	Fall, Spring, Summer
Upper Division Concentration course	3	Upper Division Concentration	Varies
Upper Division Concentration course	3	Upper Division Concentration	Varies
Upper Division Concentration course	3	Upper Division Concentration	Varies

Term 6

Course	Credits	Course Type	Terms Offered
ISM 4117C – Business Intelligence	3	Upper Division	Fall, Spring, Summer
Upper Division Concentration course	3	Upper Division Concentration	Varies
Upper Division Concentration course	3	Upper Division Concentration	Varies

Associate in Science Pathway

Sample Roadmap for General Education and Upper Division Coursework

Students may have completed some of these courses prior to applying to the program.

Term 1

Course	Credits	Course Type	Terms Offered
GEB 3213 – Business Writing	3	Upper Division	Fall, Spring, Summer
ENC 1102 – Writing About Texts	3	Communication	Fall, Spring, Summer
Mathematics course	3	General Education	Fall, Spring, Summer
Social and Behavioral Sciences: Civic Literacy course or Social and Behavioral Sciences course	3	General Education	Fall, Spring, Summer

Term 2

Course	Credits	Course Type	Terms Offered
SPC 2017 – Introduction to Speech Communications or SPC 2065 – Speech Communication for Business and the Professions or SPC 2608 – Fundamentals of Public Speaking	3	General Education	Fall, Spring, Summer
Natural Sciences State Core course or Natural Sciences course	3-4	General Education	Fall, Spring, Summer
Social and Behavioral Sciences course	3	General Education	Fall, Spring, Summer
ISM 4212C – Database and Physical Design	3	Upper Division	Fall, Spring, Summer

Term 3

Course	Credits	Course Type	Terms Offered
ISM 3113C – Systems Analysis and Design	3	Upper Division	Fall, Spring, Summer
Upper Division Concentration course	3	Upper Division Concentration	Varies
Upper Division Concentration course	3	Upper Division Concentration	Varies
Upper Division Concentration course	3	Upper Division Concentration	Varies

Term 4

Course	Credits	Course Type	Terms Offered
Upper Division Concentration course	3	Upper Division Concentration	Varies
Upper Division Concentration course	3	Upper Division Concentration	Varies
Upper Division Concentration course	3	Upper Division Concentration	Varies

Term 5

Course	Credits	Course Type	Terms Offered
ISM 4117C – Business Intelligence	3	Upper Division	Fall, Spring, Summer
Upper Division Concentration course	3	Upper Division Concentration	Varies
Upper Division Concentration course	3	Upper Division Concentration	Varies
Upper Division Concentration course	3	Upper Division Concentration	Varies

Coursework Requirements

Lower Division and Lower Division Elective Coursework

Students may have completed some of the courses listed below prior to applying to the program. For assistance determining the order in which to complete any remaining courses, please contact your academic advisor.

Course	Credits	Course Type	Terms Offered
CGS 1100C – Microcomputer Applications for Business and Economics	3	Lower Division	Fall, Spring, Summer
CIS 2321C – Information Systems	3	Lower Division	Fall, Spring, Summer
CNT 2001C – Computer Networks and Telecommunications or CET 2600C – Network Fundamentals (Cisco 1)	3	Lower Division	Fall, Spring, Summer
COP 1000C – Introduction to Computer Programming	3	Lower Division	Fall, Spring, Summer
COP 2551C – Introduction to Object Oriented Programming with Java or COP 2360C – Introduction to C# or COP 2800C – Java 1 or COP 2842C – Internet Programming	3-4	Lower Division	Fall, Spring, Summer
CTS 1131C – Hardware Configuration	3	Lower Division	Fall, Spring, Summer
CTS 1133C – Software Configuration	3	Lower Division	Fall, Spring, Summer
CTS 1120C – Fundamentals of Information Security	3	Lower Division	Fall, Spring, Summer
CTS 2437C – SQL Server I – Fundamentals	3	Lower Division	Fall, Spring, Summer
MAN 2582 – Introduction to Project Management or CEN 2071C – Secure Software Testing	3	Lower Division	Fall, Spring, Summer
Any associate degree coursework	24	Lower Division Elective	n/a

General Education Coursework

Students may have completed some of the courses listed below prior to applying to the program. For assistance determining the order in which to complete any remaining courses, please contact your academic advisor. At least one course from each discipline area option is offered every term.

Course	Credits	Course Type	Terms Offered
ENC 1101 – English Composition I or 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 or SPC 2065 – Speech Communication for Business and the Professions or SPC 2608 – Fundamentals of Public Speaking	3	General Education	Fall, Spring, Summer
STA 2023 – Elementary Statistics	3	General Education	Fall, Spring, Summer
Mathematics course	3-5	General Education	Fall, Spring, Summer
Humanities State Core course	3	General Education	Fall, Spring, Summer
Humanities course	3	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
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