About the Program

The Bachelor of Applied Science degree in Information Systems Technology provides students with a comprehensive understanding of methodologies and best practices for rapidly advancing technologies.

Students will select one of the following concentrations: Application Development, FinTech, or Information Technology Management.

This program requires a **minimum of 120 credit hours** including 60 transferrable college credit hours that are completed prior to applying to the program. Total program hours may vary based on the student's individual degree plan. This program **is eligible** for financial aid.

FSCJ bachelor's degree programs are part of Florida's 2+2 Program. For additional information, visit https://www.fldoe.org/core/fileparse.php/3/urlt/pathways_to_success.pdf.

Program Requirements

The bachelor's degree is for students who have earned an associate in arts or associate in science degree or 60 hours of transferable college credit. Students must fulfill all requirements outlined in the college catalog.

Important for You to Know

This academic roadmap does not include required lower division or general education coursework, which may include prerequisite courses for upper division coursework. In addition, it does not include program graduation requirements.

This program includes a **Statistical Reasoning math pathway**. This pathway is intended for students whose academic program requires a foundation in descriptive statistics, probability, and inferential statistics to facilitate the use and interpretation of data.

Additional Information

⇒ **Program Information,** including advisor contact details: https://www.fscj.edu/S301.

⇒ **Bachelor Degree Information,** including graduation requirements: https://catalog.fscj.edu/academics/degree-certificate-programs/bachelors-degrees.

⇒ ***Program Requirements:** https://catalog.fscj.edu/programs/S301.

⇒ **Math Pathways Information:** https://catalog.fscj.edu/academics/math-pathways.

Sample Roadmap: Associate in Arts Pathway

This sample roadmap shows one possible pathway to program completion and may not be appropriate for all students. Roadmap sequence may vary based on the student's selected concentration.

Prior to enrolling in classes, please **meet with an advisor** for specific guidance about your individual academic plan. Some courses are offered only once per year; advising is critical for course progression.

Term 1

Course	Credits
GEB 3213 - Business Writing	3
COP 1000C - Introduction to Computer Programming	3
CTS 1131C - Hardware Configuration	3
CTS 1133C - Software Configuration	3

Term 2

Course	Credits
CTS 1120C - Fundamentals of Information Security	3
CGS 1100C - Microcomputer Applications for Business and Economics	3
CTS 2437C - SQL Server I - Fundamentals	3
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

Term 3

Course	Credits
MAN 2582 - Introduction to Project Management **or** CEN 2071C - Introduction to Software Testing	3
CIS 2321 - Information Systems	3
CNT 2001C - Computer Networks and Telecommunications **or** CET 2600C - Network Fundamentals (Cisco 1)	3
Upper Division Concentration course	3

Term 4

Course	Credits
ISM 4212C - Database and Physical Design	3
Upper Division Concentration course	3
Upper Division Concentration course	3
Upper Division Concentration course	3

Term 5

Course	Credits
ISM 3113C - Systems Analysis and Design	3
Upper Division Concentration course	3
Upper Division Concentration course	3
Upper Division Concentration course	3

Term 6

Course	Credits
ISM 4117C - Business Intelligence	3
Upper Division Concentration course	3
Upper Division Concentration course	3

Sample Roadmap: Associate in Science Pathway

This sample roadmap shows one possible pathway to program completion and may not be appropriate for all students. Roadmap sequence may vary based on the student's selected concentration.

Prior to enrolling in classes, please **meet with an advisor** for specific guidance about your individual academic plan. Some courses are offered only once per year; advising is critical for course progression.

Term 1

Course	Credits
GEB 3213 - Business Writing	3
ENC 1102 - Writing About Texts	3
General Education Mathematics course	3-5
General Education Social and Behavioral Sciences course	3

Term 2

Course	Credits
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 Natural Sciences course	3-4
General Education Social and Behavioral Sciences course	3
ISM 4212C - Database and Physical Design	3

Term 3

Course	Credits
ISM 3113C - Systems Analysis and Design	3
Upper Division Concentration course	3
Upper Division Concentration course	3
Upper Division Concentration course	3

Term 4

Course	Credits
Upper Division Concentration course	3
Upper Division Concentration course	3
Upper Division Concentration course	3

Term 5

Course	Credits
ISM 4117C - Business Intelligence	3
Upper Division Concentration course	3
Upper Division Concentration course	3
Upper Division Concentration course	3

Concentration Coursework Options

The upper division concentrations will provide students with a comprehensive understanding of methodologies and best practices for rapidly advancing technologies. Students must select from one of the following concentrations.

Application Development Concentration Coursework

- COP 3330C - Object-Oriented Programming
  offered Fall and Summer terms
- COP 3813C - Web Application Development
  offered Fall and Summer terms
- COP 4655C - Application Development for Mobile Devices
  offered Fall Term 2024 and Summer Term 2025
- COP 4847C - Advanced Web Application Development
  offered Fall Term 2024 and Summer Term 2025
- CEN 3024C - Software Development I
  offered Fall Term 2024 and Summer Term 2025
- CEN 3083C - Introduction to Cloud Computing
  offered Fall terms
- CEN 4025C - Software Development II
  offered Spring terms
- CEN 4802C - Software Integration, Configuration and Testing
  offered Spring Term 2025
- CEN 4940 - Application Development Capstone
  offered Spring Term 2025

FinTech Concentration Coursework

- FIN 3400 - Financial Management
  offered every term
- FIN 3450 - Foundations of FinTech
  offered Fall terms
- FIN 4451C - FinTech Capstone
  offered Fall Term 2024 and Summer Term 2025
- FIN 3740 - Data Ethics and Regulatory Concepts in FinTech
  offered Fall terms
- IDC 3021C - Technology in FinTech
  offered Fall Term 2024 and Summer Term 2025
- IDC 4022C - Machine Learning for FinTech
  offered Fall Term 2024 and Summer Term 2025
- IDC 4251C - Data Mining for FinTech
  offered Summer and Fall terms
- IDC 4252C - Data Analytics for FinTech
  offered Fall Term 2024 and Spring Term 2025
- ISM 3232C - FinTech Application Development
  offered Fall Term 2024 and Summer Term 2025

Information Technology Management

- BUL 3130 - Business Law and Ethics
  offered every term
- FIN 3400 - Financial Management
  offered every term
- GEB 4891 - Strategic Management and Decision Making
  offered every term
- ISM 3013 - Introduction to Information Technology Management
  offered every term
- ISM 4220C - Network Management for Information Professionals
  offered every term
- ISM 4302 - Information Technology Planning
  offered every term
- ISM 4480 - Electronic Commerce Systems and Strategies
  offered every term
- ISM 4881 - Capstone in Information Technology Management
  offered every term
- MAN 3240 - Organizational Behavior
  offered Spring Term 2025