

About the Program

The Associate in Science (A.S.) Degree in Computer Information Technology prepares students to enter or advance in the field of information technology.

Students may choose, via elective courses, to focus one of the following tracks: Software Development, Web, or Database.

This program requires a **minimum of 60 credit hours**. Total program hours may vary based on the student's individual academic degree plan. This program **is eligible** for financial aid.

Program Requirements

Students must fulfill all requirements outlined in the college catalog.

Important for You to Know

This academic roadmap does not include developmental education courses in reading, writing, and/or mathematics or other prerequisite courses that you may be required to take. In addition, it does not include program graduation requirements.

Alternative starting or completion points include: Web Development Specialist (T.C.), Database Development Specialist (T.C.), Computer Programming Specialist (T.C.), Information Technology Support Specialist (T.C.), and Information Technology Analysis (T.C.).

Additional Information

- ⇒ **Program Information**, including advisor contact details: <https://www.fscj.edu/2153>.
- ⇒ **Associate in Science Degree Information**, including graduation requirements: <https://catalog.fscj.edu/academics/degree-certificate-programs/associate-in-science-degrees>.
- ⇒ ***Program Requirements:** <https://catalog.fscj.edu/programs/2153>.
- ⇒ **Math Pathways Information:** <https://catalog.fscj.edu/academics/math-pathways>.

Sample Roadmap

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 track.

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

See the **program requirements for general education and professional elective course options.*

This program includes a **Mathematical Thinking in Context math pathway**. This pathway is intended for students in the broadest range of programs of study. In this pathway, students will explore a variety of mathematical concepts utilizing multiple ways of thinking to formulate and solve problems in context.

Term 1

Course	Credits
ENC 1101 - English Composition I or ENC 1101C - English Composition I Enhanced or ENC 1102 - Writing About Texts	3-4
CTS 1131C - Hardware Configuration	3
CTS 1133C - Software Configuration	3
CGS 1100C - Microcomputer Applications for Business and Economics	3

Term 2

Course	Credits
General Education Natural Sciences Core course	3-4
COP 1000C - Introduction to Computer Programming	3
CNT 2001C - Computer Networks and Telecommunications or CET 2600C - Network Fundamentals (Cisco 1)	3
General Education Mathematics course	3-5

Term 3

Course	Credits
General Education Humanities Core course	3
CTS 1154C - Technical Support	3
CTS 1120C - Fundamentals of Information Security	3
Professional Elective course	3-4

Term 4

Course	Credits
Civic Literacy course	3
CTS 2437C - SQL Server I - Fundamentals	3-4
COP 2822C - Web Technologies	4
Professional Elective course	3-4

Term 5

Course	Credits
Professional Elective course	3-4
MAN 2582 - Introduction to Project Management	3
CIS 2321 - Information Systems	3
CIS 1942 - Internship	2

Sample Roadmap: Software Development Track

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 track.

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

See the **program requirements for general education and professional elective course options.*

This program includes a **Mathematical Thinking in Context math pathway**. This pathway is intended for students in the broadest range of programs of study. In this pathway, students will explore a variety of mathematical concepts utilizing multiple ways of thinking to formulate and solve problems in context.

Term 1

Course	Credits
ENC 1101 - English Composition I or ENC 1101C - English Composition I Enhanced or ENC 1102 - Writing About Texts	3-4
CTS 1131C - Hardware Configuration	3
CTS 1133C - Software Configuration	3
CGS 1100C - Microcomputer Applications for Business and Economics	3

Term 2

Course	Credits
General Education Natural Sciences course	3-4
COP 1000C - Introduction to Computer Programming	3
CNT 2001C - Computer Networks and Telecommunications or CET 2600C - Network Fundamentals (Cisco 1)	3
General Education Mathematics course	3-5

Term 3

Course	Credits
General Education Humanities course	3
CTS 1154C - Technical Support	3
CTS 1120C - Fundamentals of Information Security	3
Professional Elective course	3

Term 4

Course	Credits
Civic Literacy course	3
CTS 2437C - SQL Server I – Fundamentals	3-4
COP 2822C - Web Technologies	4
Professional Elective course	3

Term 5

Course	Credits
Professional Elective	3
MAN 2582 - Introduction to Project Management	3
CIS 2321 - Information Systems	3
CIS 1942 - Internship	2

Sample Roadmap: Web Track

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 track.

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

See the **program requirements for general education and professional elective course options.*

This program includes a **Mathematical Thinking in Context math pathway**. This pathway is intended for students in the broadest range of programs of study. In this pathway, students will explore a variety of mathematical concepts utilizing multiple ways of thinking to formulate and solve problems in context.

Term 1

Course	Credits
ENC 1101 - English Composition I or ENC 1101C - English Composition I Enhanced or ENC 1102 - Writing About Texts	3-4
CTS 1131C - Hardware Configuration	3
CTS 1133C - Software Configuration	3
CGS 1100C - Microcomputer Applications for Business and Economics	3

Term 2

Course	Credits
General Education Natural Sciences course	3-4
COP 1000C - Introduction to Computer Programming	3
CTS 1154C - Technical Support	3
General Education Mathematics course	3-5

Term 3

Course	Credits
General Education Humanities course	3
CTS 2437C - SQL Server I – Fundamentals	3
Professional Elective course	3
COP 2822C - Web Technologies	4

Term 4

Course	Credits
Civic Literacy course	3
CNT 2001C - Computer Networks and Telecommunications or CET 2600C - Network Fundamentals (Cisco 1)	3
MAN 2582 - Introduction to Project Management	3
Professional Elective course	4

Term 5

Course	Credits
Professional Elective course	4
CTS 1120C - Fundamentals of Information Security	3
CIS 2321 - Information Systems	3
CIS 1942 - Internship	2

Sample Roadmap: Database Track

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 track.

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

See the **program requirements for general education and professional elective course options.*

This program includes a **Mathematical Thinking in Context math pathway**. This pathway is intended for students in the broadest range of programs of study. In this pathway, students will explore a variety of mathematical concepts utilizing multiple ways of thinking to formulate and solve problems in context.

Term 1

Course	Credits
ENC 1101 - English Composition I or ENC 1101C - English Composition I Enhanced or ENC 1102 - Writing About Texts	3-4
CTS 1131C - Hardware Configuration	3
CTS 1133C - Software Configuration	3
COP 1000C - Introduction to Computer Programming	3

Term 2

Course	Credits
General Education Natural Sciences course	3-4
CGS 1100C - Microcomputer Applications for Business and Economics	3
CTS 2437C - SQL Server I - Fundamentals	3-4
General Education Mathematics course	3-5

Term 3

Course	Credits
General Education Humanities course	3
CTS 1154C - Technical Support	3
CNT 2001C - Computer Networks and Telecommunications or CET 2600C - Network Fundamentals (Cisco 1)	3
Professional Elective course	3-4

Term 4

Course	Credits
Civic Literacy course	3
CTS 1120C - Fundamentals of Information Security	3
COP 2822C - Web Technologies	4
Professional Elective course	3-4

Term 5

Course	Credits
Professional Elective course	3-4
MAN 2582 - Introduction to Project Management	3
CIS 2321 - Information Systems	3
CIS 1942 - Internship	2