The Associate in Science (A.S.) Degree in Data Science Technology program prepares students to enter or advance in the field of data science.

The program curriculum includes activities that focus on the acquisition of data in both structured and unstructured formats, cleaning, modeling and analysis of acquired data, and the extraction of knowledge or insights using statistical processes and systems. Students also study the identification of data sources, retrieval issues and methodologies, data security and the use of informational tools.

☑ Task
☐ View career information at http://www.fscj.edu/careercoach
☐ Meet with your advisor each term.
☐ Fulfill the Civic Literacy requirement.
☐ Satisfy the associate in science degree graduation requirements.

Career Options

IT professionals are among the most sought-after employees in a range of industries today. From retail to manufacturing and healthcare to transportation, almost every industry relies on data science for all aspects of their operations.

Advising

(904) 598-5676 or net@fscj.edu.

Recommended Roadmap

This roadmap provides general guidance about recommended courses. For specific guidance about your individual academic degree plan, please see an advisor. Also refer to the College Catalog for additional information. **Full-time students will refer to the term-by-term recommendations**, and **part-time students will take courses in the order listed**. A minimum grade of C or higher must be achieved in all professional courses, as well as courses used to satisfy the general education and civic literacy requirements.

Term 1

Note: Students are strongly recommended to take STA 2023 prior to enrollment in COP 2073C.

☑	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
☐	ENC 1101: English Composition I **or ENC 1101C**: English Composition I Enhanced	3 or 4	Varies	Varies
☐	MAC 1105: College Algebra **or** higher-level MAC prefix course **or** MAP 2302: Differential Equations **or** MGF 1106: Topics in College Mathematics **or** MGF 1107: Explorations in Mathematics **or** STA 2023: Elementary Statistics	3-5	Varies	Varies
☐	CGS 1060C: Introduction to Information Technology	3	All	All
☐	CNT 1015: Operating Systems Foundations	3	All	All

Term 2

☑	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
☐	ARH 2000: Art in the Humanities **or** PHI 2010: Philosophy in the Humanities **or** MUL 2010: Music in the Humanities **or** LIT 2000: Literature in the Humanities **or** HUM 2020: Topics in the Humanities **or** THE 2000: Theatre in the Humanities	3	Varies	Varies
☐	BSC 1005: Life in Its Biological Environment **or** BSC 2010C: Principles of Biology I **or** BSC 2085C: Human Anatomy and Physiology I **or** AST 1002: Introduction to Astronomy **or** CHM 1020: Chemistry for Liberal Arts **or** CHM 2045C: General Chemistry and Qualitative Analysis I **or** ESC 1000: Earth and Space Science **or** EVR 1001: Introduction to Environmental Science **or** PHY 1020C: Physics for Liberal Arts with Laboratory **or** PHY 2048C: Physics I With Calculus **or** PHY 2053C: General Physics I	3-4	Varies	Varies
☐	CNT 2001C: Computer Networks and Telecommunications	3	All	Hybrid, Online
☐	COP 1000C: Introduction to Computer Programming	3	All	All

Important for You to Know

This academic roadmap does not include developmental education courses in reading, writing, and/or mathematics that you may be required to take. Students who place into developmental education courses are required to complete designated developmental education courses with a grade of C or higher regardless of program of study. In addition, it does not include MAT 1033: Intermediate Algebra, which, for many students, is a prerequisite course for MAC 1105.

Related Roadmaps

Embedded Technical Certificate(s)

Technical certificates are available within this degree program. Students may pursue the A.S. degree and earn technical certificates while completing the requirements for the degree or pursue one or more certificates to develop or upgrade their skills in a particular field. Contact an advisor to determine the career education path that is best for you. Embedded technical certificates include:

- Data Science Technician
- FinTech Technician

Term 3

☑	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
☐	CGS 2512C: Spreadsheet Concepts and Practices	3	All	All
☐	COP 2800C: Java 1	3	Fall, Spring	Hybrid, Online
☐	CTS 1120C: Fundamentals of Information Security	3	All	All
☐	CTS 2437C: SQL Server I - Fundamentals	3	All	All

Term 4

☑	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
☐	AMH 2020: United States History From 1877 to the Present **or** POS 2041: American Federal Government	3	Varies	Varies
☐	CAP 2787C: Data Warehousing	3	Summer	Hybrid, Online
☐	COP 2034C: Programming in Python	3	All	All
☐	COP 2822C: Web Technologies	4	All	All

Term 5

Note: Students are strongly recommended to take STA 2023 prior to enrollment in COP 2073C.

☑	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
☐	CAP 2741C: Data Visualization	2	Fall	Online
☐	CIS 2349C: Introduction to Big Data Using Hadoop	3	Fall	On-Campus, Online
☐	COP 2073C: Introduction to Statistical Programming with R	3	Fall	All
☐	CTS 2456C: Introduction to SAS Programming	3	Fall	All

Total Program Credit Hours

The Data Science Technology A.S. degree program requires a **minimum of 60 credit hours**. Total program hours may vary based on the student's individual degree plan. Please see an advisor for individual guidance.