

About the Program

The Technical Certificate (T.C.) in Data Science Technician prepares students for a respected career as a data science technician. Data science extends to multiple areas, including artificial intelligence, biotechnology, computer engineering, computer science, information technology, robotics and telecommunications.

This program requires a **minimum of 42 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 technical certificate graduation requirements.

This certificate articulates directly into the Data Science Technology (6985) (A.S.) degree, which includes a Statistical Reasoning math pathway.

Additional Information

- ⇒ **Program Information**, including advisor contact details: <https://www.fscj.edu/academics/programs/certs/6287>.
- ⇒ **Technical Certificate Information**, including graduation requirements: <https://catalog.fscj.edu/academics/degree-certificate-programs/technical-certificates>.
- ⇒ ***Program Requirements**: <https://catalog.fscj.edu/programs/6287>.
- ⇒ **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.

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.

See the **program requirements for general education course options.*

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.

Term 1

Course	Credits
General Education Mathematics course	3-5
COP 1000C - Introduction to Computer Programming	3
CGS 1060C - Introduction to Information Technology	3
CGS 2512C - Spreadsheet Concepts and Practices	3
CNT 1015C - Operating Systems Foundations	3

Term 2

Course	Credits
COP 2800C - Java 1	3
CTS 2437C - SQL Server I - Fundamentals	3
COP 2034C - Programming in Python	3
COP 2822C - Web Technologies	4

Term 3

Course	Credits
CAP 2741C - Data Visualization	2
CIS 2349C - Introduction to Big Data using Hadoop	3
COP 2073C - Introduction to Statistical Programming with R	3
CTS 2456C - Introduction to SAS Programming	3
CAP 2787C - Data Warehousing	3