The Technical Certificate (T.C.) in Data Science Technician prepares students for a respected career as a data science technician.

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
☐ Explore career resources at fscj.edu/student-services/career-development.
☐ Meet with your advisor each term.
☐ Satisfy the technical certificate graduation requirements.

Certification/Licensing

Upon completion of this program, students will be prepared to pursue industry recognized industry certifications such as Microsoft Office Specialist, Oracle Java OCA SE8, and SAS Base Programming.

Articulation

This certificate articulates directly into the Data Science Technology (6985) (A.S.) degree. Contact an advisor to determine the career education path that is best for you.

Career Options

The field of data science involves the most cutting-edge sectors within information technology. Data science extends to multiple areas, including artificial intelligence, biotechnology, computer engineering, computer science, information technology, robotics and telecommunications.

Advising

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

Sample Roadmap

This roadmap provides general guidance about required courses. For specific guidance about your individual academic degree plan, please see an advisor. Also refer to the College Catalog and class schedules 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.

Term 1

☑	Course: Course Title	Credit Hours	Terms Offered
☐	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
☐	COP 1000C: Introduction to Computer Programming	3	All
☐	CGS 1060C: Introduction to Information Technology	3	All
☐	CGS 2512C: Spreadsheet Concepts and Practices	3	All
☐	CNT 1015: Operation Systems Foundations	3	All

Term 2

☑	Course: Course Title	Credit Hours	Terms Offered
☐	CAP 2787C: Data Warehousing	3	Varies
☐	COP 2800C: Java 1	3	Fall, Spring
☐	CTS 2437C: SQL Server I - Fundamentals	3	All
☐	COP 2034C: Programming in Python	3	All
☐	COP 2822C: Web Technologies	4	All

Term 3

☑	Course: Course Title	Credit Hours	Terms Offered
☐	CAP 2741C: Data Visualization	2	Fall
☐	CIS 2349C: Introduction to Big Data Using Hadoop	3	All
☐	COP 2073C: Introduction to Statistical Programming with R	3	All
☐	CTS 2456C: Introduction to SAS Programming	3	All
☐	CAP 2787C: Data Warehousing	3	All

Total Program Credit Hours

The **Data Science Technician** T.C. program requires a **minimum of 42 credit hours**. Total program hours may vary based on the student's individual degree plan. Please see an advisor for individual guidance. This program **is eligible** for financial aid.

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.