FSCJ Florida State College at Jacksonville

Data Science Technician (6287)

TECHNICAL CERTIFICATE | College Catalog Year: 2022-2023

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
☐	View career information at http://www.fscj.edu/careercoach
☐	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. Students may pursue one or more certificates to develop or upgrade their skills in a particular field or pursue the A.S. degree and earn technical certificates while completing the requirements for the 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.

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.

Term 1

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

Term 2

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

Term 3

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

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 better 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.