FSCJ Florida State College at Jacksonville

Data Science Technology (2157)

ASSOCIATE IN SCIENCE | College Catalog Year: 2024-25

About the Program

The Associate in Science (A.S.) Degree in Data Science Technology program prepares students to enter or advance in the field of data science. From retail to manufacturing and healthcare to transportation, almost every industry relies on data science for all aspects of their operations.

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: Data Science Technician (T.C.) and FinTech Technician (T.C.).

Additional Information

⇒ **Program Information**, including advisor contact details: https://www.fscj.edu/academics/programs/as/2157.

⇒ **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/2157.

⇒ **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 degree 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
ENC 1101 - English Composition I **or** ENC 1101C - English Composition I Enhanced	3-4
General Education Mathematics course	3-5
CGS 1060C - Introduction to Information Technology	3
CNT 1015C - Operating Systems Foundations	3

Term 2

Course	Credits
General Education Humanities Core course	3
General Education Natural Sciences Core course	3-4
CNT 2001C - Computer Networks and Telecommunications	3
COP 1000C - Introduction to Computer Programming	3

Term 3

Course	Credits
CGS 2512C - Spreadsheet Concepts and Practices	3
COP 2800C - Java 1	3
CTS 1120C - Fundamentals of Information Security	3
CTS 2437C - SQL Server I - Fundamentals	3

Term 4

Course	Credits
AMH 2010 - United States History to 1877 **or** AMH 2020 - United States History from 1877 to the Present **or** POS 2041 - American Federal Government	3
CAP 2787C - Data Warehousing	3
COP 2034C - Programming in Python	3
COP 2822C - Web Technologies	4

Term 5

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