

2025 - 2026

Data Science Associate in Science Degree

Complete the following program of study (Major C.6921.AS). Major requirements (20 units minimum).

Upon completion of the program, students should be able to create computer programs to analyze data and communicate the analysis using industry-standard methods. Transfer Purpose: To prepare students for transfer into four-year Data Science programs. Students planning to transfer to a four-year college or university should familiarize themselves with the Data Science program requirements at the school to which they will transfer.

Name: _____ Student ID: _____ Date: _____

Course Overview and Selection

Required Core Courses:

Course	Course Description	Units	Completed	In Progress	Planned
CSCI 40	Programming Concepts and Methodology I	4			
DATA 8	Foundations of Data Science	4			
STAT C1000	Introduction to Statistics	4			

Select an additional 8 units from the following:

Course	Course Description	Units	Completed	In Progress	Planned
CSCI 26	Discrete Mathematics for Computer Science	4			
CSCI 41	Programming Concepts and Methodology II	4			
MATH 5A	Math Analysis I	5			
MATH 5B	Math Analysis II	4			

Note:

Program Learning Outcomes:

A student who successfully completes this certificate of achievement will be able to:

1. Apply analytical concepts and techniques from statistics, probability, calculus, and linear algebra to problems in the field of Data Science.
2. Create computer programs that use common data structures.
3. Analyze data and communicate the analysis using industry-standard programming languages, libraries, and applications.