

# Data Science, Graduate Certificate

## Deliver a curriculum with appropriate data science skill sets

### Goal Description:

The curriculum will offer students, including professionals and non-professional students, a stackable set of core Data Science courses that provide concentrated and in-depth exposure. These courses are designed to help students develop industry-recognized, immediately valuable, and in-demand skills for the workplace.

**Providing Department:** Data Science, Graduate Certificate

**Progress:** Completed

### RELATED ITEMS/ELEMENTS

#### RELATED ITEM LEVEL 1

##### Foundation areas in data science

##### Learning Objective Description:

Students will have a working knowledge of the foundational topics including Distributed Computing, Data Visualization, Big Data Analytics, Data Science Capstone, and Computer Vision/Deep Learning.

#### RELATED ITEM LEVEL 2

##### Overall GPA

##### Indicator Description:

The average overall GPA of students, at least 3.0/4.0, enrolled in the graduate certificate programs

##### Criterion Description:

The criterion is to maintain an average GPA of 3.0 or higher across all enrolled students in the graduate certificate programs. This benchmark is set to ensure that students are meeting the minimum academic standards required to demonstrate satisfactory performance and progress in their programs.

##### Findings Description:

None of the students in the Data Science certificate program has been on probation (with GAP < 3.0), or terminated.

#### RELATED ITEM LEVEL 3

##### Overall GPA

##### Action Description:

The graduate advisor will reach out to each student whose GPA falls below 3.0 or is on probationary status. The advisor will work with these students to identify the root causes of their academic challenges and develop personalized study plans to address those issues and improve their performance.

## Update to Previous Cycle's Plan for Continuous Improvement Item

### Previous Cycle's Plan For Continuous Improvement (Do Not Modify):

This is the new year for the program. So NO previous cycle's plan.

### Update of Progress to the Previous Cycle's PCI:

The GCC conducted multiple meetings during the Fall 2023 and Spring 2024 semesters to find and apply necessary changes to the program. No changes required for Cybersecurity Certificate program.

## New Plan for Continuous Improvement Item

### Closing Summary:

The GCC will conduct multiple meetings during the Fall 2024 and Spring 2025 semesters to find and apply necessary changes to the program.