

DATA ANALYTICS CERTIFICATE**PROGRAM OVERVIEW**

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This certificate program is designed to provide the student with a working knowledge of the latest trends, tools, and techniques related to the study of data analytics. All credits are transferable to the associate degree program if the student wishes to pursue further studies. Students must achieve a "C" or better in the required data analytics courses.

This is a career program and is designed to enable students to seek employment at the program's completion. If you plan to transfer to a four-year college/university, please check with your advisor and Advising Center staff as soon as possible.

Successful completion of this program qualifies a student to apply for a Certificate in Data Analytics.

PROGRAM OVERVIEW**REQUIRED DATA ANALYTICS COURSES**

DATA-101	Introduction to Data Analytics
DATA-103	Introduction to Machine Learning
DATA-105	Introduction to Data Visualization
DATA-201	Advanced Data Analytics
DATA-206	Python for Data Analytics
DATA-210	Data Warehouse Implementation
DATA-214	Advanced Data Visualization

REQUIRED GENERAL COURSES

COMP-241	Python Programming I
MATH-109	Probability and Statistics
SPCH-101	Speech Communication

PROGRAM OVERVIEW**DATA ANALYTICS****ONE-YEAR CERTIFICATE****PREPARATION FOR EMPLOYMENT****FIRST SEMESTER**

	<u>Credit Hours</u>
Data Analytics 101 (Introduction to Data Analytics)	3
Data Analytics 105 (Introduction to Data Visualization)	3
Data Analytics 210 (Data Warehouse Implementation)	3
Computer Technology 241 (Python Programming I) ¹	3
Mathematics 109 (Probability and Statistics)	3
Total:	15

SECOND SEMESTER

Data Analytics 103 (Introduction to Machine Learning)	3
Data Analytics 201 (Advanced Data Analytics)	3
Data Analytics 206 (Python for Data Analytics)	3
Data Analytics 214 (Advanced Data Visualization)	3
Speech 101 (Speech Communication)	3
Total:	15
Total Credit Hours:	30

¹ COMP-103 is not a required pre-requisite for students taking COMP-241 (Python Programming) if registered for the Data Analytics Program. Please consult with your advisor or the Advising Center staff for selecting appropriate pre-requisites or elective courses for graduation.

DATA240 (Field Placement) can be used as a substitute for any required 200-level data analytics course in the Data Analytics program.

NOTE: All courses specifically identified by course number are graduation requirements for this program.