

CERTIFICATE IN DATA ANALYTICS

Data analysis is an integral component in modern business decision-making processes. The certificate program offers students training in essential skills in data analytics. It comprises the following three courses:

1. Data Management
2. Data Visualization
3. Predictive Modeling

COURSE	TITLE	S.H.
DATX 5801	Data Management	3
or CSIS 3722	Development of Databases	
DATX 5803	Data Visualization	3
DATX 5805	Predictive Modeling Algorithms	3
or CSCI 4851	Data Science and Machine Learning	
Total Semester Hours		9

Note: The courses will be housed in a new prefix, DATX, to be created in the College of STEM.

The pre-requisite for the DATX courses is junior standing and GPA of 2.5 or higher.

Students who successfully complete this program should be able to:

- manipulate and prepare a large data set for analysis through common techniques to clean data and identify trends and outliers;
- manage a large data set through database management and build an effective database application;
- describe and apply the common techniques used in data analytics and choose an appropriate technique to model and make predictions on a dataset.