
DATA ANALYTICS

PROGRAM OVERVIEW

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 Technology 221
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This curriculum provides training that enables students to seek employment in areas related to data analytics such as a market research analyst, financial analyst, statistical assistant and many more.

Data analytics and visualization skills are in high demand in today's global market. This degree will help a student build the necessary skills to become a data analyst.

Students will learn and practice a broad set of skills in data analytics, graphics, and visualization. In addition, students in this program will be able to create data models and data warehouses, develop and use various digital graphics techniques and data visualization methods and use various statistical and predictive/applied applications and methods.

Student must achieve a "C" or better in any data analytics course before being advanced to any subsequent data analytics course in the curriculum progression. In order to graduate from this curriculum, the students must meet all college academic requirements plus achieve a grade of "C" or better in each data analytics course.

This is a career program, designed to enable students to seek employment at the program's completion.

Successful completion of this program qualifies a student to apply for an Associate of Applied Science degree in Data Analytics.

COURSE REQUIREMENTS

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
DATA-216	Data Analysis in the Cloud

REQUIRED GENERAL COURSES

BUAD-101	Introduction to Business
BUAD-216	Principles of Marketing
COMP-101	Computer Literacy
COMP-241	Python Programming I
ECON-202	Principles of Microeconomics
ENG-101	English Composition I
MATH-102	College Algebra
MATH-109	Probability and Statistics
PHIL-202	Ethics
SPCH-101	Speech Communication

REQUIRED ELECTIVE COURSES

Please consult with your advisor or the Advising Center staff for selecting appropriate elective courses for graduation.

Science Elective - 3 credits

Social and Behavioral Science Elective - 3 credits

PROGRAM PATH

DATA ANALYTICS

TWO-YEAR CAREER PROGRAM

PREPARATION FOR EMPLOYEMENT

FIRST SEMESTER

	<u>Credit Hours</u>
Computer Technology 101 (Computer Literacy)	3
Business Administration 101 (Introduction to Business)	3
English 101 (English Composition I)	3
Mathematics 109 (Probability and Statistics)	3
Data Analytics 101 (Introduction to Data Analytics)	3
Total:	15

SECOND SEMESTER

Mathematics 102 (College Algebra)	3
Science Elective	3
Data Analytics 103 (Introduction to Machine Learning)	3
Data Analytics 105 (Introduction to Data Visualization)	3
Computer Technology 241 (Python Programming I) ¹	3
Total:	15

THIRD SEMESTER

Business Administration 216 (Principles of Marketing)	3
Social and Behavioral Science Elective	3
Data Analytics 201 (Advanced Data Analytics)	3
Data Analytics 206 (Python for Data Analytics)	3
Speech 101 (Speech Communication)	3
Total:	15

FOURTH SEMESTER

Philosophy 202 (Ethics)	3
Economics 202 (Principles of Microeconomics)	3
Data Analytics 210 (Data Warehouse Implementation)	3
Data Analytics 214 (Advanced Data Visualization)	3
Data Analytics 216 (Data Analysis in the Cloud)	3
Total:	15
Total Credit Hours:	60

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.