

Data Science and Data Analytics

This program provides you with the skills to succeed in data science and analytics through courses in data science, artificial intelligence and data engineering, enabling you to make data-driven decisions and work with large-scale Big Data systems. The Data Science and Data Analysis program consists of three required courses and two elective courses.

Total Units: 15
Completion Time: 9-12 months (full-time)
Modality: Online, in person, or choose a mix of both.
Special Programs: F-1 Compliant and WIOA/TAA Funding Approved.



*Courses may have prerequisites; review the course page before enrolling. A checkmark indicates the course is typically offered during that term. **

Required Courses

9 Units | 3 Courses

COURSE NAME & NUMBER	UNITS	FALL	WINTER	SPRING	SUMMER
Big Data and Python for Performance DBDA.X401	3.0	✓	✓	✓	✓
Data Analysis, Introduction DBDA.X404	3.0	✓	✓	✓	✓
Relational Database Design and SQL Programming DBDA.X415	3.0	✓	✓	✓	✓

Elective Courses

6 Units | Choose 2 Courses

Data Science

COURSE NAME & NUMBER	UNITS	FALL	WINTER	SPRING	SUMMER
Python for Data Analysis DBDA.X420	3.0	✓	✓	✓	✓
Data Modeling, Introduction DBDA.X421	3.0		✓		✓
Business Intelligence Solutions DBDA.X402	3.0	✓	✓	✓	✓
Dashboards and Data Visualization DBDA.X419	3.0		✓		✓

Artificial Intelligence

COURSE NAME & NUMBER	UNITS	FALL	WINTER	SPRING	SUMMER
Python for Machine Learning DBDA.X427	3.0	✓	✓		✓
Introduction to Machine Learning AISV.X400	3.0	✓	✓	✓	✓
Deep Learning and Artificial Intelligence AISV.X401	3.0	✓	✓	✓	✓

Data Engineering

COURSE NAME & NUMBER	UNITS	FALL	WINTER	SPRING	SUMMER
MySQL and Oracle Database for Developers and Designers DBDA.X409	3.0	✓		✓	
NoSQL Databases, Introduction DBDA.X410	3.0	✓		✓	

Hands-On Data Engineering DBDA.X424	3.0		✓		✓
The Internet of Things: Big Data Processing and Analytics EMBD.X412	3.0	✓		✓	

Completion Review

Once all certificate requirements have been met and your final grades are posted, please access your Student Portal to enroll in the ["Certificate Completion Fee"](#) to begin the review process. Please allow 5-8 weeks to receive your certificate.