

DATA ANALYTICS (MS)

The Master of Science in Data Analytics program prepares students for an agile world in analytics. Technology and managerial associated with data science and data analytics will be explored. Through project-based learning, students will explore programming for analytics, various tools for visualizing data, and techniques for analysis. Concepts and technologies surrounding Business Intelligence, Decision Support Systems, and Analytics will be thoroughly examined through application, use cases, and research on future trends.

Code	Title	Credits
DAT 520	Digital Transformation and Marketing Analytics	3
DAT 505	Ethical Considerations for Data Analysis	3
DAT 530	Quantitative Research and Statistics	3
DAT 510	Systems Analysis and Design	3
DAT 525	Data Science, Analytics, and Artificial Intelligence	3
DAT 599	Data Analytics Capstone	3
DAT 515	Data Visualization & Dashboard Reporting	3
DAT 535	Programming for Analysts	3
DAT 540	Business Intelligence and Decision Support Systems	3
DAT 545	Big Data Analytics	3
DAT 547	Database Management Systems	3
DAT 550	Advanced Analytics	3
Total Credits		36

Course	Title	Credits
First Year		
First Semester		
DAT 510	Systems Analysis and Design	3
DAT 525	Data Science, Analytics, and Artificial Intelligence	3
DAT 505	Ethical Considerations for Data Analysis	3
Second Semester		
DAT 547	Database Management Systems	3
DAT 515	Data Visualization & Dashboard Reporting	3
DAT 545	Big Data Analytics	3
Third Semester		
DAT 540	Business Intelligence and Decision Support Systems	3
DAT 535	Programming for Analysts	3
DAT 520	Digital Transformation and Marketing Analytics	3
Credits		27
Second Year		
DAT 530	Quantitative Research and Statistics	3
DAT 599	Data Analytics Capstone	3
DAT 550	Advanced Analytics	3
Credits		9
Total Credits		36