Curriculum
Employers need skilled individuals who can translate big data into recommendations for profitable actions. A report published by the McKinsey Global Institute said the United States could face a shortage of as many as 190,000 workers with “deep analytical skills” by 2018. The study also predicted a workforce gap of 1.5 million managers and analysts with the skills to decipher and translate data patterns for decision-making. This shortage means more and more opportunities for students who are comfortable with data and with managing its volume, velocity and variety.

The Master of Science in Business Analytics degree consists of a set of core courses and a set of electives organized into tracks: Accounting Analytics, Data Science, Decision and Operations Analytics, Financial Analytics, Healthcare Analytics, IT for Analytics and Marketing Analytics. In addition to teaching the core analytics concepts, the degree covers tools like SAS, R, Python, Hadoop, Stata and Tableau. The program has also established academic partnerships with Cloudera, Hortonworks and Dell/EMC².

Career Options
Graduates of the program seek positions such as: data scientist, data engineer, data analyst, risk analyst, business intelligence engineer, fraud analyst, pricing analyst, strategic business analyst, marketing analyst.

Degree Program
The MS in Business Analytics requires the completion of a minimum of 36 semester credit hours. Calculus is a prerequisite for this degree program.

For complete admission and degree requirements, view the Graduate Catalog at catalog.utdallas.edu.