Curriculum

Employers need skilled individuals who can translate big data into recommendations for profitable actions. A study conducted by Gallup reports that, by 2021, 69 percent of employers expect job candidates to have data science and analytics skills, but at the same time colleges report there are far fewer graduates learning these skills. Another study by McKinsey Global Institute predicted a workforce gap of 1.5 million managers and analysts with the knowledge to decipher and translate data patterns for decision making. These shortages mean more opportunities for students who are capable of managing and analyzing data.

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. This is a STEM designated program.

Career Options

Graduates of the program seek positions such as: data scientist, data engineer, data analyst, business intelligence analyst, business intelligence engineer, business intelligence consultant, big data engineer, risk analyst, fraud analyst, pricing analyst, strategic business analyst and 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.