

# MASTER OF SCIENCE IN ECONOMICS AND DATA ANALYTICS

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The Master of Science in Economics and Data Analytics program applies advanced analytical techniques to economic problems. This program equips students with the necessary skills and knowledge to analyze and interpret complex economic data, make informed decisions, and communicate insights effectively. Data analytics is an increasingly important area as datasets explode in availability, complexity, and size. Machine learning and artificial intelligence have become key tools in empirical work in economics. With the advent of generative artificial intelligence and large language models, this program offers opportunities for students to become proficient in economics and data analytics.

## Curriculum

Code	Title	Credit Hours
Required Courses		
BUS 550	Business Statistics	3
MSC 511	Mathematical Economics I - Microeconomics	3
MSC 514	Mathematical Economics II - Microeconomics and Macroeconomics	3
MSC 512	Econometrics and Statistics I	3
MSC 515	Econometrics and Statistics II	3
MSC 519	Time Series Analysis	3
MAX 502	Analytics for Decision Making	3
MAX 506	Database Design and SQL	3
MAX 507	Visual Analytics - Data Analytics & Visualization	3
MBA 532	Artificial Intelligence	3
<b>Total Credit Hours</b>		<b>30</b>