



Master of Decision Analytics

The Master of Decision Analytics provides students with knowledge of quantitative skills and experience in analyzing problems arising in a business environment. Depending upon individual student interests and advisor approval, the required nucleus is supplemented with relevant elective courses from within the School of Business or from outside departments.

Curriculum

Prerequisites: A 3-credit course in Calculus (e.g., SCMA 212 or MATH 200) and a 3-credit course in Database Systems (e.g., INFO 364). Prerequisites may be met after admission into the program.

Foundation Course: Students without an adequate academic background in statistics will be required to complete SCMA 524 Statistical Fundamentals for Business Management before attempting 600-level analytics courses.

Required Core Courses (5 courses):

INFO 610 Analysis and Design of Database Systems	SCMA 648 Analytics for Organizational Decision-Making
SCMA 632 Statistical Analysis and Modeling	SCMA 669 Developing and Implementing Forecasting Methods
SCMA 645 Management Science	

Approved Electives (5 courses): Students must select five electives (15 credit hours) from the approved elective list below or other graduate courses approved by the Faculty Advisor.

ACCT 608 Managerial Accounting Concepts	INFO 614 Data Mining	OPER 647 Multiobjective Decision Analysis
ECON 501 Introduction to Econometrics	INFO 616 Data Warehousing	SCMA 602 Global Supply Chain Management
ECON 612 Econometrics	INFO 632 Business Process Engineering	SCMA 643 Applied Multivariate Methods
ECON 614 Mathematical Economics	INFO 664 Info Systems for Bus. Intelligence	SCMA 675 Operations Management
FIRE 629 Real Estate Investment Analysis	MGMT 642 Business Policy and Strategy	SCMA 677 Quality Mgmt. and Six Sigma
FIRE 635 Investments and Security Analysis	MKTG 673 Marketing Research	
INFO 609 Data-centric Re-engineering Pln.	MKTG 678 Marketing Analytics	
INFO 611 Data Re-engineering	OPER 643 Decision and Risk Analysis	