Decision Sciences

For additional program information see the Zicklin School website

The decision sciences and quantitative methods and modeling majors are designed to train students in the application of mathematical models and decision making in business, industry, and government. An MBA program in decision sciences and an MS program in Quantitative Methods and Modeling are offered. Both provide students with the concepts and skills that form the fundamental base of knowledge essential to quantitative-decision-making professionals in today's business environment.

The MBA program in decision sciences is designed primarily for those who employ operations research methods in an applied discipline or who are responsible for managing or interfacing with an operations research department. The MS program in quantitative methods and modeling is designed to provide a broad spectrum of basic quantitative skills. The MBA and MS programs are given within the Department of Statistics and Computer Information Systems.

View MBA degree requirements

Major Courses (12 credits)

Required		
OPR 9721	Introduction to Quantitative Modeling	3 credits
OPR 9730	Simulation Modeling and Analysis	3 credits
Elective Courses Choose two courses from (6 credits):*		
CIS 9340	Principles of Database Management Systems	3 credits
OPR 9750	Basic Software Tools for Data Analysis	3 credits
OPR 9783	Stochastic Processes for Business Applications (STA 9783)	3 credits
OPR 9793	Special Topics in Operations Research (formerly OPR 9773)	3 credits
STA 9660	Data Mining for Business Analytics (CIS 9660)	3 credits
STA 9700	Applied Regression Analysis	3 credits
STA 9715	Applied Probability	3 credits

*The student may select one 3-credit course from Department of Statistics and Computer Information Systems or one 3-credit quantitative course from outside the department. Selecting the course from outside the department requires the approval of the advisor.