

# 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		
<a href="#">OPR 9721</a>	Introduction to Quantitative Modeling	3 credits
<a href="#">OPR 9750</a>	Basic Software Tools for Data Analysis ( <a href="#">STA 9750</a> )	3 credits
Choose two courses from:*		
<a href="#">OPR 9724</a>	Mathematical Programming	3 credits
<a href="#">OPR 9730</a>	Simulation Modeling and Analysis	3 credits
<a href="#">OPR 9773</a>	Special Topics in Operations Research	3 credits
<a href="#">OPR 9783</a>	Stochastic Processes for Business Applications ( <a href="#">STA 9783</a> )	3 credits
<a href="#">STA 9715</a>	Applied Probability	3 credits

\*Students may also select one quantitative course not on the above list with approval of the advisor.