



Management Science Minor

Dept. of Computer Information Systems & Management Science
 College of Business
 James Madison University

Management Science is a scientific approach to analyzing problems and making business-related decisions. It uses statistics and mathematical modeling to forecast the implications of various choices and identify the best alternatives. Management scientists focus on the effective use of data and information to drive positive business actions. The minor in management science prepares students to solve complex decision problems in a business environment with a combination of quantitative skills and hands-on expertise using current software applications. The program is open to any undergraduate with an interest in management science. The minor consists of 9 credit hours of required course work and 9 credit hours of Management Science (MS) electives. At most three courses can be used to satisfy both the management science minor and a student's major requirements.

Coordinator: Dr. Scott P Stevens (stevensp@jmu.edu)

Course	Title	Credit hours	Completed credit hours
Choose one of the following:		3	<input type="checkbox"/>
	COB 191 Business Statistics		
	MATH 220 Elementary Statistics		
	MATH 285 Data Analysis		
	MATH 318 Intro to Probability and Statistics		
COB 291	Introduction to Management Science	3	<input type="checkbox"/>
CIS 221	Principles of Programming	3	<input type="checkbox"/>
MS elective ^{1,2}		3	<input type="checkbox"/>
MS elective ^{1,2}		3	<input type="checkbox"/>
MS elective ^{1,2}		3	<input type="checkbox"/>
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- All 300 level and 400 level MS electives have a prerequisite of COB 291 and junior or senior standing.
- One management science (MS) elective is typically offered each semester (fall/spring). MS electives include:
 - CIS/MS 363 - Business Process Management
 - CIS/MS 364 - Decision Support Systems
 - MS 391 - Quantitative Business Modeling
 - MS 393 – Business Analytics: Data Mining