

Operations Research (MS)

Degree Requirements

Code	Title	Hours	Counts towards
Required Courses		19	
Requirement A Courses			
OR 601	Seminar in Operations Research		
OR 695	Master's Thesis Research		
Requirement B Courses			
Select one of the following courses:			
OR 505	Linear Programming		
OR 506	Algorithmic Methods in Nonlinear Programming		
OR 709	Dynamic Programming		
Requirement C Courses			
Select four of the following courses:			
OR 501	Introduction to Operations Research		
OR 504	Introduction to Mathematical Programming ¹		
or OR 505	Linear Programming		
CSC 505	Design and Analysis Of Algorithms		
OR 506	Algorithmic Methods in Nonlinear Programming ¹		
ST 516	Experimental Statistics For Engineers II		
OR 531	Dynamic Systems and Multivariable Control I		
OR 537	Computer Methods and Applications		
MA/ST 546	Probability and Stochastic Processes I		

OR 560	Stochastic Models in Industrial Engineering
OR 562	Simulation Modeling
OR 706	Nonlinear Programming
OR 708	Integer Programming
OR 709	Dynamic Programming ¹
MA/ST 747	Probability and Stochastic Processes II
OR 760	Applied Stochastic Models in Industrial Engineering
OR 761	Queues and Stochastic Service Systems
OR 762	Computer Simulation Techniques
OR 772	Stochastic Simulation Design and Analysis

Elective Courses 12

"Elective Courses" that will be applied to reach 30 credit hours will be determined in conjunction with the academic committee ²

Total Hours 31

¹ OR 505, OR 506, and OR 709 cannot be double counted toward "Requirement C" courses if already used toward "Requirement B" courses.

² "Elective Courses" cannot be double counted if already used to fulfill requirements "A-C" courses

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