

Operations Research (MR)

Degree Requirements

Code	Title	Hours	Counts towards
Required Courses		15	
Requirement A Courses			
OR 601	Seminar in Operations 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 15

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

Total Hours 30

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

John W. Baugh

Rada Yuryevna Chirkova

Do Young Eun

Shu-Cherng Fang

Yahya Fathi

Subhashis Ghoshal

Robert B. Handfield

Robert E. Hartwig

Christopher Graham Healey

Hans Sebastian Heese

Ilse Ipsen

Kazufumi Ito

Julie S. Ivy

Jeffrey A. Joines

Carl Timothy Kelley

Russell E. King

Zhilin Li

George F. List

Min Liu

Ning Lu

Louis A. Martin-Vega

Maria A. Mayorga

Negash G. Medhin

Arne Nilsson

Tao Pang

Harry G. Perros

Ranji S. Ranjithan

Michael A. Rappa

Joseph P. Roise

George N. Rouskas

Nagiza F. Samatova

Carla D. Savage

Munindar P. Singh

Ralph C. Smith

Matthias F.M. Stallmann

Binil Starly

Julie LeAnne Swann

Hien T. Tran

Yannis Viniotis

Mladen Alan Vouk

Wenye Wang

Fen Wu

Zhaobang Zeng

Dmitry V. Zenkov

Jacob James Adams

Kristin Anne Barletta

Joseph F. DeCarolis

Umut Dur

Arnav Harish Jhala

Min Jeong Kang

Michael G. Kay

Eda Kemahlioglu-Ziya

Yunan Liu

Osman Yalin Ozaltin

William Michael Rand

Thomas W. Reiland

Charles Eugene Smith

Hong Wan

Donald P. Warsing

Leila Hajibabai Dizaji

Xiaolei Fang

Jordan Kern

Timothy Charles Kraft

Andrew Papanicolaou

David Papp

Sara Shashaani

Mengmeng Zhu

Billy L. Edge

Daniela Sofia Jones

Semra Senem Ahiska King

David Lee Lubkeman

Brandon Mark McConnell

Javad Taheri

Peter Bloomfield

Stephen L. Campbell

Thom Hodgson

Brian Denton

Mihail Devetsikiotis

Patricia L. Hersh

Simon M. Hsiang

Anderson Rodrigo de Queiroz

Ting Yu