# Operations Research (MS)

## Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Required Courses</td>
<td></td>
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<tr>
<td></td>
<td><strong>Required A Courses</strong></td>
<td>19</td>
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</tr>
<tr>
<td>OR 601</td>
<td>Seminar in Operations Research</td>
<td></td>
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<tr>
<td>OR 695</td>
<td>Master's Thesis Research</td>
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<td><strong>Required B Courses</strong></td>
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<tr>
<td>OR 505</td>
<td>Linear Programming</td>
<td></td>
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<tr>
<td>OR 506</td>
<td>Algorithmic Methods in Nonlinear Programming</td>
<td></td>
<td></td>
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<tr>
<td>OR 709</td>
<td>Dynamic Programming</td>
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<td><strong>Required C Courses</strong></td>
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<tr>
<td>OR 501</td>
<td>Introduction to Operations Research</td>
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<td>OR 504</td>
<td>Introduction to Mathematical Programming 1</td>
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<tr>
<td>OR 531</td>
<td>Dynamic Systems and Multivariable Control I</td>
<td></td>
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<td>OR 537</td>
<td>Computer Methods and Applications</td>
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<td>MA/ST 546</td>
<td>Probability and Stochastic Processes I</td>
<td></td>
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<td><strong>Elective Courses</strong></td>
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<td><em>Elective Courses</em> that will be applied to reach 30 credit hours will be determined in conjunction with the academic committee 1</td>
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<tr>
<td></td>
<td><strong>Total Hours</strong></td>
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<td>31</td>
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</tbody>
</table>

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

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

## Professors

- Kristin A. Barletta
- John W. Baugh
- Rada Yuryevna Chirkova
- Huaiyu Dai
- Joseph DeCarolis
- Umut Dur
- Shu-Cherng Fang
- Yahya Fathi
- Subhashis Ghoshal
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Christopher Graham Healey
Hans Sebastian Heese
Ilse Ipsen
Jeffrey A. Joines
Russell E. King
Zhihui Li
George F. List
Edgar Lobaton
Ning Lu
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Rainer Mueller
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Munindar P. Singh
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Yannis Viniotis
Miaden Alan Vouk
Wenye Wang
Fen Wu
Zhaobang Zeng
Dmitry V. Zenkov

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Eda Kemahliglu-Ziya
Min J. King
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David Papp
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Thomas W. Reiland
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Hong Wan
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Xiaolei Fang
Seyedmohammadhossein Hosseinian
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Jordan Kern
S. Sebnem Ahiska King
Shawn Mankad
Benjamin Rachunok
Sara Shashaani
Wentao Tang
Zhuoting Yu
Mengmeng Zhu

Associate Professors
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Adolfo Raphael Escobedo
Zhishan Guo

Research Assistant Professor
Brandon M. McConnell
Emeritus Faculty

Peter Bloomfield
Julie S. Ivy
Carl Timothy Kelley
Harry G. Perros