# Operations Research (MR)

## Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Courses</td>
<td></td>
<td></td>
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</table>

### 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
- OR 505 Linear Programming
- CSC 505 Design and Analysis Of Algorithms
- OR 506 Algorithmic Methods in Nonlinear Programming
- 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

<table>
<thead>
<tr>
<th>Elective Courses</th>
<th>15</th>
</tr>
</thead>
</table>

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

## Total Hours

<table>
<thead>
<tr>
<th>Total Hours</th>
<th>30</th>
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</table>

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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