



# MS in Operations Research with Graduate Certificate in Engineering Leadership

**Total Semester Hours Required: 32**

Students pursuing the MS in Operations Research with Graduate Certificate in Engineering Leadership must complete 16 Semester Hours of Gordon Program coursework and 16 Semester Hours of Operations Research coursework. Please refer to the Operations Research home page for the most up-to-date course requirements and other program information.

## Plan of Study

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### *Gordon Engineering Leadership Program (16 Semester Hours Total)*

ENLR 5121	Engineering Leadership 1	2
ENLR 5122	Engineering Leadership 2	2
ENLR 5131	Scientific Principles of Engineering 1	2
ENLR 5132	Scientific Principles of Engineering 2	2
ENLR 7440	Engineering Leadership Challenge Project 1	4
ENLR 7442	Engineering Leadership Challenge Project 2	4

### *Operations Research Coursework (16 Semester Hours Total)*

IE 6200	Engineering Probability and Statistics <b>OR</b>	4
MATH 7241	Probability 1	4
OR 7230	Probabilistic Operations Research <b>OR</b>	4
MATH 7341	Probability 2	4
MATH 7234	Optimization and Complexity <b>OR</b>	4
OR 7245	Network Analysis and Advanced Optimization	4
OR 6205	Deterministic Operations Research	4

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## Contact

Gordon Engineering Leadership Program  
Northeastern University  
[www.neu.edu/gordonleadership](http://www.neu.edu/gordonleadership)