



# Northeastern University

## College of Engineering

### Engineering Management Course Waivers

#### Comparable graduate and undergraduate courses

Some graduate courses are comparable to undergraduate courses

- IE 3412/MATH 3081/EECE 3468 is comparable to IE 6200
- IE 4515 is comparable to OR 6205
- IE 4512 is comparable to EMGT 6225

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#### MS Core Course Waivers

- If an Engineering Management student has a B+ or above in IE 3412/MATH 3081/EECE 3468, IE 4515, or IE 4512, they may waive the comparable graduate core course and take a specified course from the lists below
- If the Engineering Management student does not prefer to take any of the courses in a particular list, they will not be able to waive that respective graduate core course
- In order to formally waive a core course for the MS Engineering Management program requirements:
  - Complete the [Standard Petition Form](#)
  - Submit it using DocuSign to your [MS Faculty Advisor](#) with a copy of your unofficial transcript showing the grade earned for their approval.

#### Selected Courses to take in Place of Waived Graduate Core Courses

- If an Engineering Management student has a B+ or above in IE 3412, MATH 3081, or EECE 3468, they can waive IE 6200 Engineering Probability and Statistics. However, they are required to take one of the following courses to replace IE 6200:
  1. IE 5390 Structured Data Analytics for IE
  2. IE 5640 Data Mining for Engineering Applications
  3. IE 7280 Statistical Methods in Engineering
  4. IE 7285 Statistical Quality Control
  5. IE 7290 Reliability Analysis and Risk Assessment
- If an Engineering Management student has a B+ or above in IE 4515, they can waive OR 6205 Deterministic Operations Research. However, they are required to take one of the following courses to replace OR 6205:
  1. IE 5500 Systems Engineering in Public Programs
  2. OR 6500 Metaheuristics and Applications
  3. OR 7235 Inventory Theory



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- 4. OR 7240 Integer and Nonlinear Optimization
- 5. OR 7245 Network Analysis and Advanced Optimization
- 6. OR 7250 Multi-Criteria Decision Making
- 7. OR 7310 Logistics, Warehousing and Scheduling

- If an Engineering Management student has a B+ or above in IE 4512, they can waive EMGT 6225 Economic Decision Making. However, they are required to take the following course to replace EMGT 6225:
  1. EMGT 6305 Financial Management for Engineers