### FALL

<table>
<thead>
<tr>
<th>Year</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MATH1341</td>
<td>Calculus 1 for Engrs.</td>
</tr>
<tr>
<td>1</td>
<td>CHEM1151</td>
<td>General Chem. for Engrs.</td>
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<td>1</td>
<td>PHYS1151</td>
<td>Physics 1 Engrs.</td>
</tr>
<tr>
<td>1</td>
<td>PHYS1152</td>
<td>Physics 1 Lab</td>
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<tr>
<td>1</td>
<td>GE1500</td>
<td>Intro to Eng'g.</td>
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<td>1</td>
<td>GE1501</td>
<td>Cornerstone Eng. 1</td>
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<tr>
<td>1</td>
<td>MATH1342</td>
<td>Calculus 2 for Engrs.</td>
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<tr>
<td>1</td>
<td>PHYS1153</td>
<td>Lab for PHYS1151</td>
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<tr>
<td>1</td>
<td>GE1502</td>
<td>Cornerstone Eng. 2</td>
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### SPRING

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<th>Year</th>
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<th>Course Title</th>
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<td>1</td>
<td>MATH1342</td>
<td>Calculus 2 for Engrs.</td>
</tr>
<tr>
<td>1</td>
<td>PHYS1152</td>
<td>Physics 1 Lab</td>
</tr>
<tr>
<td>1</td>
<td>GE1500</td>
<td>Intro to Eng'g., Capstone Design</td>
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<tr>
<td>1</td>
<td>GE1501</td>
<td>Cornerstone Eng. 2</td>
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<tr>
<td>1</td>
<td>MATH1343</td>
<td>Calculus 3 for Engrs.</td>
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</tbody>
</table>

### SUMMER 1

- Vacation

### SUMMER 2

- Vacation

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**Notes:**

- Students will be required to meet with an undergraduate advisor to petition to enter the program.
- Students are encouraged to meet with their financial aid counselor to review any financial questions.
- Engineering Technical Electives: 2 required - any course from the following disciplines that is not a required course in the IE curriculum: IE, ME, MEIE, EMGT, OR, EECE, CIVE, CHME or CSYE
- Students may replace 8 SH of graduate coursework in the senior year with IE7990 Thesis, or 4 SH with IE7945 Project.
- Required for students who elect to do Thesis or Project.
- NUpath requirements, Interpreting Culture (IC), Societies and Institutions (SI) and Differences and Diversity (DD) are not explicitly satisfied by required engineering courses. Students are responsible for satisfying these requirements, and if these are not fulfilled in engineering courses, should use General Electives to do so. General Electives are academic, non-remedial, non-repetitive courses.
- **ENGW3335 is an acceptable substitution for engineering majors.
- Students who received a grade less than B+ in IE4142 must take IE6200 instead of a graduate elective.
- Students can submit “Petition for a Reduced Course Load” to be billed per credit.
- Students are encouraged to meet with their financial aid counselor to review any financial questions.
- 4 semesters of coursework at Northeastern University must be completed with a minimum GPA of 3.2 to join the BS/MS program.
- Requirements for BS/MS students who elect to do Thesis or Project.
- Technical Electives may be interchanged. Please consult with your advisor: Joy Erb - 220 Snell, 617-373-2154, j.erb@neu.edu

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**BS/MS IN INDUSTRIAL ENGINEERING CURRICULUM OUTLINE - CLASS OF 2021**

**Sample Only – Actual Curriculum Sequence May Deviate from Sample**

- **ENGW3315 is an acceptable substitution for engineering majors.**
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- 4 semesters of coursework at Northeastern University must be completed with a minimum GPA of 3.2 to join the BS/MS program.
- *Students can submit “Petition for a Reduced Course Load” to be billed per credit.*
- The registrar’s website provides a listing of degree requirements and the DARS system provides a degree audit utility for students.
- **ENGW3335 is an acceptable substitution for engineering majors.**
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