Undergraduate Program in Industrial and Systems Engineering
The Ohio State University
Beginning courses at OSU Autumn Quarter 2011

**COURSES WHICH MUST BE COMPLETED BEFORE APPLYING TO ISE MAJOR:**

- Student must have at least a 2.0 Cum GPA and at least a 3.0 cumulative in these EPHR courses (OR in their equivalent courses):
  - ENG 181.xx (3) (or ENG H191) ______
  - ENG 183.xx (3) (or ENG H193) ______
  - CSE 205 (4) ______ (or: CSE 202 or ENG H192 or EngGraph 167.01)
  - ENGLISH 110.xx (5)____
  - MATH 151.xx (5)____
  - MATH 152.xx (5)____
  - PHYSICS 131 (5)____

**OTHER COURSES TO BE TAKEN BEFORE BEGINNING ISE MAJOR CORE COURSES:**

- QUARTER:
  - (Choose two: Chem 121, Chem 122, Chem 125, Bio 113, Bio 114 or Physics 133)
  - Additional Science (4) ______
  - Additional Science (3-4) ______
  - Additional Science (4) ______
  - ME 410 (4) ______
  - ME 420 (4) ______
  - MATH 254.xx (or 263.xx) (5) _____
  - MATH 2173 (3)____
  - MATH 255.xx (5) (or 415.xx) ______
  - MATH 568 (3)____
  - STATISTICS 427 (3)____
  - STATISTICS 428 (3)____

- SEMESTER:
  - (Choose two: Physics *, Chemistry 1250, Biology 2100)
  - Additional Science (4) ______
  - Additional Science (4) ______
  - ME 2040 (4) ______
  - MATH 2174 (3)____
  - STATISTICS 3470 (3)____

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<tr>
<th>Gen Ed Course Planning:</th>
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<tbody>
<tr>
<td>1st Writing Course ________</td>
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<tr>
<td>2nd Writing Course _________</td>
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<tr>
<td>Social Science (Subgrp __)</td>
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<tr>
<td>History ___________________</td>
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<td>Arts &amp; Hum (Subgrp__) _______</td>
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Sequence of ISE core courses:

**First Semester in Major**
ENGINEER 2367
ISE 2400 (2)
ISE 2500 (3)
ISE 2040 (2)
Technical Elective

**Second Semester in Major**
ISE 3200 (3)
ISE 3600 (3)
ISE 3700 (3)
Technical Elective

**Third Semester in Major**
ISE 3210 (3)
ISE 3800 (3)
ISE 3400 (4)
ISE 4120 (3)

**Fourth Semester in Major**
ISE 4100 (4)
Technical Elective
Technical Elective
Gen Ed

**Final Semester in Major**
ISE 4900 (4)
Technical Elective
Technical Elective
Gen Ed - Ethics

*Physics Note:*
- Physics 1250= Physics 131+
- Half of 133
- Physics 1251= Physics 132+
- Other half of 133
- Physics 1240= 1st half of 133 (2 credit hours)
- Physics 1241= 2nd half of 133 (2 credit hours)