# UNIVERSITY OF MIAMI
DEPARTMENT OF INDUSTRIAL ENGINEERING

## BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

**128 Credits**

2016-2017

### Freshman Year:

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<td>MTH 151</td>
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### Sophomore Year:

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<td>IEN 201</td>
<td>Methods Analysis &amp; Work Measurements</td>
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<td>MTH 210</td>
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<tr>
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<td>Methods Analysis &amp; Work Measurements</td>
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<tr>
<td>ECE 205</td>
<td>Principles of Electrical Engineering I or Mechanics of Solids I or Thermodynamics I</td>
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<td>Engineering Economy</td>
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<td>IEN 363</td>
<td>Project Management for Engineers</td>
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<td>IEN 406</td>
<td>Computer-Aided Manufacturing</td>
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<td>IEN 442</td>
<td>Stochastic Models in Operations Research</td>
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<td>IEN 547</td>
<td>Computer Simulation Systems</td>
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<tr>
<td>IEN 557</td>
<td>Ergonomics &amp; Human Factors Engineering</td>
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<td>IEN 524</td>
<td>Decision Support Systems in IE</td>
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<td>IEN 568</td>
<td>Materials Handling &amp; Facilities Planning</td>
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* Students must complete a minimum of 1 PS cognate and 1 HA cognate, to be selected from the list of available cognates. Each cognate should be a minimum of 3 courses (minimum of 9 credits). Students have to select a PS cognate that includes ECO 211 & ECO 212

** The Technical Elective is selected from courses at the 300 level or above, offered by one of the following departments: MTH, BME (except BME 320), CAE, ECO, EEN, IEN, MAE, ACC, FIN, MGT (except MGT 303), MAS, MKT.

*** IEN electives are selected from courses at the 300 level or above offered by the Department of Industrial Engineering, with the approval of the Faculty Advisor

Rev. 08/24/15