Case Study III

I am a Sophomore and I AM taking ISEN 220 right now, how will the New ISEN Curriculum affect me?
My status

• After this semester I will be an upper level ISEN student (yeah!)
• I am basically halfway!
• I am taking STAT 212 and ISEN 220
• I need 17 more classes

My Options

• Staying in the Classic Curriculum
• Changing to the New Curriculum
This is what I have...

**Freshman Year**

<table>
<thead>
<tr>
<th></th>
<th>First Semester</th>
<th>Hrs</th>
<th>Second Semester</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔ MATH 151 (Calculus I)</td>
<td>4</td>
<td></td>
<td>✔ MATH 152 (Calculus II)</td>
<td>4</td>
</tr>
<tr>
<td>✔ PHYS 218</td>
<td>4</td>
<td></td>
<td>✔ PHYS 208</td>
<td>4</td>
</tr>
<tr>
<td>✔ ENGR 111</td>
<td>2</td>
<td></td>
<td>✔ ENGR 112</td>
<td>2</td>
</tr>
<tr>
<td>✔ ENGL 104</td>
<td>3</td>
<td></td>
<td>✔ CHEM 107</td>
<td>3</td>
</tr>
<tr>
<td>✔ POLS 206 (Core Curriculum)</td>
<td>3</td>
<td></td>
<td>✔ CHEM 117</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>✔ POLS 207 (Core Curriculum)</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>16</strong></td>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>17</strong></td>
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</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th></th>
<th>First Semester</th>
<th>Hrs</th>
<th>Second Semester</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔ MATH 251 (Calculus III)</td>
<td>3</td>
<td></td>
<td>✔ MATH 304 (Linear Algebra)</td>
<td>3</td>
</tr>
<tr>
<td>✔ STAT 211</td>
<td>3</td>
<td></td>
<td>✔ STAT 212</td>
<td>3</td>
</tr>
<tr>
<td>✔ MMET 181 Manufacturing &amp; Assembly Processes I</td>
<td>3</td>
<td></td>
<td>✔ MEEN 221 (Statics &amp; Dynamics)</td>
<td>3</td>
</tr>
<tr>
<td>✔ CSCE 206 (Programming)</td>
<td>4</td>
<td></td>
<td>✔ MEEN 222 (Materials)</td>
<td>3</td>
</tr>
<tr>
<td>✔ ISEN 101</td>
<td>1</td>
<td></td>
<td>✔ ENGL 210/301</td>
<td>3</td>
</tr>
<tr>
<td>✔ ISEN 303</td>
<td>3</td>
<td></td>
<td>✔ ISEN 220</td>
<td>3</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>17</strong></td>
<td></td>
<td><strong>TOTAL</strong></td>
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</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th></th>
<th>First Semester</th>
<th>Hrs</th>
<th>Second Semester</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISEN 420</td>
<td>3</td>
<td></td>
<td>ISEN 314</td>
<td>3</td>
</tr>
<tr>
<td>ISEN 424</td>
<td>3</td>
<td></td>
<td>ISEN 315</td>
<td>3</td>
</tr>
<tr>
<td>MATH 308 (Differential Equations)</td>
<td>3</td>
<td></td>
<td>ISEN 316</td>
<td>3</td>
</tr>
<tr>
<td>ECEN 215 (Circuits)</td>
<td>3</td>
<td></td>
<td>MEEN 315 (Thermodynamics)</td>
<td>3</td>
</tr>
<tr>
<td>American History (Core Curriculum)</td>
<td>3</td>
<td></td>
<td>✔ American History (Core Curriculum)</td>
<td>3</td>
</tr>
<tr>
<td>✔ Creative Arts (Core Curriculum)</td>
<td>3</td>
<td></td>
<td><strong>TOTAL</strong></td>
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</tbody>
</table>

**Senior Year**

<table>
<thead>
<tr>
<th></th>
<th>First Semester</th>
<th>Hrs</th>
<th>Second Semester</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISEN 416 (W)</td>
<td>4</td>
<td></td>
<td>ISEN 459 Senior Design</td>
<td>3</td>
</tr>
<tr>
<td>ISEN Technical Elective</td>
<td>3</td>
<td></td>
<td>ENGR 482 Engineering Ethics (W)</td>
<td>3</td>
</tr>
<tr>
<td>Technical Elective</td>
<td>3</td>
<td></td>
<td>ISEN Technical Elective</td>
<td>3</td>
</tr>
<tr>
<td>Social Behavioral Science (Core Curriculum)</td>
<td>3</td>
<td></td>
<td>Technical Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>13</strong></td>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>
Degree Plan in Classic Curriculum

Spring 2016
- ISEN 420
- ISEN 424
- MATH 308
- ECEN 215
- HIST
- 15 Credits

Summer 2016
- SBS

Fall 2016
- ISEN 314
- ISEN 315
- ISEN 316
- MEEN 315
- 12 Credits

Spring 2017
- ISEN 416
- ISEN TE
- TE
- 12 Credits

Fall 2017
- ISEN 459
- ENGR 482
- ISEN TE
- 12 Credits

I have 17 classes left:
- ISEN 420
- ISEN 424
- MATH 308
- ECEN 215
- HIST (Core)
- ISEN 314
- ISEN 315
- ISEN 316
- MEEN 315
- ISEN 416
- ISEN Technical Elective (IE TE)
- Technical Elective
- Social Behavioral Science
- ISEN 459
- ENGR 482
- ISEN Technical Elective
- Technical Elective

Case Study III
However, by Fall 2016 only the new courses will be offered...

BUT I want to stay in the classic curriculum. So what do I do now?
Degree Plan in Classic Curriculum

Spring 2016
- ISEN 420
- ISEN 424
- MATH 308
- ECEN 215
- HIST
- 15 Credits

Summer 2016
- SBS

Fall 2016
- ISEN 314
- ISEN 315
- ISEN 316
- ISEN 370
- MEEN 315
- 12 Credits

Spring 2017
- ISEN 416
- ISEN 405
- ISEN TE
- TE
- 12 Credits

Fall 2017
- ISEN 459
- ISEN 460
- ENGR 482
- ISEN TE
- 12 Credits

I have 17 classes left:
- ISEN 420
- ISEN 424
- MATH 308
- ECEN 215
- HIST (Core)
  - ISEN 314
  - ISEN 315
  - ISEN 316
  - ISEN 350
  - ISEN 370
  - ISEN 453
  - MEEN 315
  - ISEN 416
  - ISEN 405
- ISEN Technical Elective (IE TE)
- Technical Elective
- Social Behavioral Science
- ISEN 459
- ISEN 460
- ENGR 482
- ISEN Technical Elective
- Technical Elective

Case Study III
Degree Plan in Classic Curriculum

- **Spring 2016**
  - ISEN 420
  - ISEN 424
  - MATH 308
  - ECEN 215
  - HIST
  - Total: 15 Credits

- **Summer 2016**
  - SBS
  - Total: 1 Credit

- **Fall 2016**
  - ISEN 314
  - ISEN 315
  - ISEN 316
  - MEEN 315
  - Total: 12 Credits

- **Spring 2017**
  - ISEN 414
  - ISEN 405
  - ISEN 453
  - Total: 12 Credits

- **Fall 2017**
  - ISEN 459
  - ISEN 460
  - ENGR 482
  - Total: 12 Credits

I have 17 classes left:

- You would follow the Classic Curriculum and its prerequisites
- You will need to utilize the Course Equivalence page
- If you take the classes in this order, you will NOT be able to take ENGR 482 online because you will need to satisfy your “W” with ISEN 460 and ENGR 482
- Notice ISEN 424 will not be taught as “W” course in Spring 2016
Degree Plan in New Curriculum

Spring 2016
- ISEN 420
- ISEN 430
- MATH 308
- ECEN 215
- MEEN 315
- TE
- 15 Credits

Summer 2016
- SBS
- HIST

Fall 2016
- ISEN 340
- ISEN 314
- ISEN 350
- ISEN 315
- ISEN 370
- ISEN 355
- 12 Credits

Spring 2017
- ISEN TE
- ISEN TE
- ISEN TE
- 12 Credits

Fall 2017
- ISEN 460
- ENGR 482
- ISEN TE
- 12 Credits

I have **18** classes left:

- ISEN 420
- ISEN 430
- MATH 308
- ECEN 215 or MEEN 315
- HIST (Core)
- ISEN 340
- ISEN 314-ISEN 350
- ISEN 315-ISEN 370
- ISEN 355
- MEEN 315
- ISEN Technical Elective (IE TE)
- ISEN Technical Elective
- ISEN Technical Elective
- Technical Elective
- Technical Elective
- Social Behavioral Science
- ISEN 459-ISEN 460
- ENGR 482
- ISEN Technical Elective
- Technical Elective
Degree Plan in New Curriculum

Spring 2016
- ISEN 420
- ISEN 430
- MATH 308
- ECEN 215
- MEEN 315
- TE
- 15 Credits

Summer 2016
- SBS
- HIST

Fall 2016
- ISEN 340
- ISEN 314
- ISEN 315
- ISEN 370
- ISEN 355
- 12 Credits

Spring 2017
- ISEN TE
- ISEN TE
- ISEN TE
- TE
- 12 Credits

Fall 2017
- ISEN 460
- ENGR 482
- ISEN TE
- 12 Credits

I have 18 classes left:

- Switching Curriculums for this student adds 1 more class
- That class is one of the new requirements:
  - ISEN 340
- You will only need one of the following:
  - ECEN 215
  - MEEN 315
- The New Curriculum opens up the degree plan for the student to be able to pick the classes he/she would like to take with the Technical Electives
- For this student, the decision is not as clear as some of the other students. The degree plan adds 1 more class but it will offer a much deeper and exiting understanding of Industrial Engineering.