# CHEMICAL ENGINEERING

Curriculum for the Classes of 2012

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sophomore</th>
<th>Juniors</th>
<th>Senior</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td><strong>Spring</strong></td>
<td><strong>Fall</strong></td>
<td><strong>Spring</strong></td>
</tr>
<tr>
<td>ENGLWP 112</td>
<td>PHYSIC 152</td>
<td>PHYSIC 153</td>
<td>MATH 331</td>
</tr>
<tr>
<td>ChE 120 Fundamentals</td>
<td>ChE 291A Professional Seminar</td>
<td>ChE 325 Thermo II</td>
<td>ChE 361 Mathematical Modeling</td>
</tr>
<tr>
<td>ENGIN 110</td>
<td>PHYSIC 151</td>
<td>CHEM 262</td>
<td>CHEM 269</td>
</tr>
<tr>
<td>MATH 131</td>
<td>MATH 153</td>
<td>MATH 233</td>
<td>CHEM 261</td>
</tr>
<tr>
<td>CHEM 111</td>
<td>MATH 132</td>
<td>CHEM 112</td>
<td>Social World Elective</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credits</th>
<th>Credits</th>
<th>Credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>15</td>
<td>17</td>
<td>17</td>
</tr>
<tr>
<td>16</td>
<td>15</td>
<td>17</td>
<td>13</td>
</tr>
</tbody>
</table>

Last Rev: 5/15/08
**1. The Usual Mathematics Sequence**
- Math 131
- Math 132
- Math 233
- Math 331

**Acceptable Alternative Math Sequence**
- Math 135
- Math 136
- Math 245
- Math 246

**2. The Usual Chemistry Sequence**
- General Chemistry
  - Chem 111
  - Chem 112
- Organic Chemistry
  - Chem 261
  - Chem 262
- Two-Credit Laboratory
  - Chem 269

**Acceptable Alternative Chemistry Sequences**
- General Chemistry
  - Chem 121
  - Chem 122
- Organic Chemistry
  - Chem 265
  - Chem 266
- Take One or Both of These Labs
  - Chem 267
  - Chem 268

**3. General Education: Social World Courses**
- The Social World requirement consists of six courses with the following designations:
  - AL
  - AL, AT, or I
  - SB
  - SB or I
  - HS
  - HS, AL, AT, SB, or I

If you entered the university prior to Fall 2002, two of the six Social World courses must have a Diversity designation (D, G, or U).
If you entered the university during or after Fall 2002, one of the six Social World Courses must have a Global Diversity designation (G) and one must have a United States Diversity Designation (U).

**4. Writing Program**
- The successful completion of the Writing requirement will require:
  - Completion of English 112 with a C or better
  - Completion of Engin 351 with a C or better.

**5. Advanced Chemistry Elective**
- PSE 501
  - or
- Any 3 or 4 credit Chem or BioChem course
  - at 200-level or above.


**6. Approved Engineering Tech Electives**
- SOM 593, SOM 597, and
- Any 3 or 4 credit course at the 200-level or above
  - In ChE, ECE, MIE, CEE, or PSE

**Exceptions: CEE 357, MIE 230, MIE 340, and MIE 354**

- Of the 4 required Tech Electives, at least two of these must be Engineering courses.