1. General Education:
   Social World Courses
   The Social World requirement consists of **four courses** with the following designations:
   - AL/AT
   - SB
   - HS
   - AL, AT, SB, I or SI
   Integrative Experience (ChE 401)

   Of these four Social World Courses, one must have a **Global Diversity designation (G)** and another must have an **United States Diversity designation (U)**.

2. Advanced Chemistry Elective
   - POLYMER 501
     
     or
     
     Any 3 or 4 credit Chem or BioChem course
     at the 200-level or above.

   **Exceptions:**

3. Approved Engineering Tech Electives
   - SCH-MGMT 593, SCH-MGMT 597, and
   - Any 3 or 4 credit course at the 200-level or above
   - In ChE, ECE, MIE, CEE, or POLYMER

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

   Students completing the **Engineering Management Minor** should note that the EMM foundation courses* (see box to the right) are all prerequisites of the Capstone Course, SCH-MGMT 597(Fall only). Please speak with an SOM advisor when making course plans.

   **Approved Non-Engineering Tech Electives**
   - ACCTG 221, FIN 301, MGT 301, MKTG 301,
   - STATISTIC 501, and
   - Any 3 or 4 credit course at the 200-level or above
   - In Math, Physics, Bio, CompSci, Chem, Biochem, or MCB

   **Exceptions:** Chem 250, Chem 391A, Chem 471, Biochem 471, and Math 370

4. Students are allowed to count **ONE** Independent Study towards their required Technical Electives. However, if you are in the departmental honors program, you will need to take both ChE 499Y and ChE 499T during your senior year and these will both count towards your Engineering technical electives.

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Last Revision: 11/9/15, TLP
CHEMICAL ENGINEERING
Curriculum for Students Who Entered **AFTER June 2010 AND BEFORE June 2014**

<table>
<thead>
<tr>
<th>First-Year</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
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<tbody>
<tr>
<td><strong>Fall</strong></td>
<td><strong>Spring</strong></td>
<td><strong>Fall</strong></td>
<td><strong>Spring</strong></td>
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<tr>
<td>ENGLWP 112 (3 credits)</td>
<td>PHYSIC 152 (4)</td>
<td>ENGIN 351 (3)</td>
<td>ChE 401* (4)</td>
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<tr>
<td>ChE 120 (3)</td>
<td>ChE 226 (3)</td>
<td>ChE 333 (3) Heat and Mass Transfer</td>
<td>ChE 402 (4)</td>
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<td>MATH 131 (4)</td>
<td>Thermodynamics I (1)</td>
<td>ChE 320 (3) Kinetics</td>
<td>ChE 444 (3)</td>
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<tr>
<td>CHEM 111 (4)</td>
<td>ChE 220 (3) Thermo II</td>
<td>ChE 325 (3) Separations</td>
<td>ChE 446 (3)</td>
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<tr>
<td>MATH 132 (4)</td>
<td>MATH 331 (4)</td>
<td>ChE 330 (3) Fluid Mechanics</td>
<td>ChE 491A (3)</td>
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<td>Social World Elective¹</td>
<td>CHEM 262 (3)</td>
<td>ChE 331 (3) Mathematical Modeling</td>
<td>Technical Elective³</td>
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<tr>
<td>CHEM 112 (4)</td>
<td>CHEM 269 (2)</td>
<td>Adv CHEM Elective²</td>
<td>Technical Elective³</td>
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<td>Social World Elective¹</td>
<td>ChE 391A Professional Seminar</td>
<td>Technical Elective³</td>
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<td>CHEM 269 (4)</td>
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<td></td>
<td></td>
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<td>Social World Elective¹</td>
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<tr>
<td>18 Credits</td>
<td>15 Credits</td>
<td>16 Credits</td>
<td>18 Credits</td>
</tr>
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</table>

*Completion of a General Education Integrative Experience (IE) course is a senior year requirement for all students who entered the University after June 2010. ChE 401 will fulfill the IE requirement.

**Superscripts refer to information on reverse**