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 (DG)
  - **and** another must have an
  - United States Diversity designation (DU)

* All entering students, freshmen and transfers, are required to take one of their two required diversity courses within their first year on campus.

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

<table>
<thead>
<tr>
<th>Approved Non-Engineering Tech Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCH-MGMT 593, SCH-MGMT 597,</td>
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<tr>
<td><strong>and</strong></td>
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<tr>
<td>Any 3 or 4 credit course at the 200-level or above</td>
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<tr>
<td>In ChE, ECE, MIE, CEE, or POLYMER</td>
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<tr>
<td><strong>Exceptions:</strong> CEE 357, MIE 230, MIE 340, and MIE 354</td>
</tr>
</tbody>
</table>

**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.

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.

5. Effective May 1, 2018, to be eligible to enter a BS degree program in engineering, a student must have a grade of C or better in the following classes:
- EnglWrit 112
- Math 131 & Math 132
- Engin 100, 110, 111, 112, 113 or 114
- Physics 151
- Chem 111 or Physics 152
- 2nd semester Engineering Intro course satisfying major requirement (i.e., ChE 120 or CEE 121 or ECE 122 or MIE 124)
- Cumulative and most recent regular semester, a GPA of 2.0.

*Last Revision: 11/28/18 TLP*
All entering students, freshmen and transfers, are required to take one of their two required diversity courses within their first year on campus.

All ChE majors are expected to take ChE 220. Exceptions: 1.) We will accept AP Bio, which transfers in as Bio 110, 2.) We will accept Bio 190H, and 3.) We will accept Bio 151 taken previously, or as a transfer course, which is equivalent to Bio 151. Any other exception requests: contact Tami (112E Goessmann) and the instructor. All exception requests will be considered on an individual basis.

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.

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**CHEMICAL ENGINEERING**

Curriculum for Students Who Entered **AFTER** June 2018

<table>
<thead>
<tr>
<th>First-Year</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
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<tbody>
<tr>
<td>Fall</td>
<td>Spring</td>
<td>Fall</td>
<td>Spring</td>
</tr>
<tr>
<td>18 Credits</td>
<td>15 Credits</td>
<td>16 Credits</td>
<td>15 Credits</td>
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</tbody>
</table>

- ENGLWP 112 (3 credits)
- ENGIN 110 (3)
- PHYSIC 151 (4)
- CHEM 110 (4)
- CHEM 112 (4)

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<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 Credits</td>
<td>14 Credits</td>
<td>16 Credits</td>
<td>14 Credits</td>
</tr>
</tbody>
</table>

- PHYSIC 152 (4)
- ChE 226 Thermo I (3)
- ChE 291A Professional Seminar (1)
- MATH 131 (4)
- CHEM 111 (4)
- MATH 132 (4)

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 Credits</td>
<td>16 Credits</td>
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<td>14 Credits</td>
</tr>
</tbody>
</table>

- ChE 231 Mathematical Modeling (3)
- ChE 325 Thermo II (3)
- MATH 331 (3)
- CHEM 262 (3)
- CHEM 269 (2)
- Technical Elective³ (3)

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<thead>
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<th>Spring</th>
<th>Fall</th>
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</table>

- PHYSIC 151 (4)
- ChE 320 Kinetics (3)
- ChE 330 Separations (3)
- ChE 391A Professional Seminar (1)
- ChE 475 (PChem) (3)
- Social World Elective¹ (4)

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Superscripts refer to information on reverse