### Suggested Academic Plan

The suggested academic plan(s) listed on this page are the plan(s) that are in effect during the 2022-23 academic year. To access previous years’ suggested academic plans, please visit the archive (https://bulletins.psu.edu/undergraduate/archive/) to view the appropriate Undergraduate Bulletin edition (Note: the archive only contains suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin).

#### Chemical Engineering, B.S. at University Park Campus

The course series listed below provides only one of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an Academic Requirements report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

If you are starting at a campus other than the one this plan is ending at, please refer to: http://advising.engr.psu.edu/degree-requirements/academic-plans-by-major.aspx

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td><strong>Fall</strong></td>
<td><strong>Credits</strong></td>
</tr>
<tr>
<td>CHE 100 (or First Year Seminar)†</td>
<td>1 CHEM 112 (GN)</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 110 (GN)‡</td>
<td>3 CHEM 113 (GN)</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 111 (GN)</td>
<td>1 ENGL 15, 30H, or ESL 15 (GWS)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102 or 104 (GS)‡</td>
<td>3 MATH 141 or 141E (GO)‡‡</td>
<td>4</td>
</tr>
<tr>
<td>EDSGN 100†</td>
<td>3 PHYS 211 (PHYS 211L and PHYS 211R (GN))‡‡</td>
<td>4</td>
</tr>
<tr>
<td>MATH 140 or 140E (GO)‡‡</td>
<td>4 General Education Course†</td>
<td>3</td>
</tr>
<tr>
<td><strong>Second Year</strong></td>
<td><strong>Fall</strong></td>
<td><strong>Credits</strong></td>
</tr>
<tr>
<td>CHE 210*</td>
<td>3 CHE 220*</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 210</td>
<td>3 CHE 230</td>
<td>1</td>
</tr>
<tr>
<td>MATH 251</td>
<td>4 CHEM 212</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 212 (PHYS 212L &amp; PHYS 212R (GN))†</td>
<td>4 CHEM 213</td>
<td>2</td>
</tr>
<tr>
<td>General Education Course†</td>
<td>3 MATH 231</td>
<td>2</td>
</tr>
<tr>
<td><strong>Third Year</strong></td>
<td><strong>Fall</strong></td>
<td><strong>Credits</strong></td>
</tr>
<tr>
<td>BMB 251 or MICRB 251</td>
<td>3 CAS 100A or 100B (GWS)‡‡</td>
<td>3</td>
</tr>
<tr>
<td>CHE 320*</td>
<td>3 CHE 300</td>
<td>1</td>
</tr>
<tr>
<td>CHE 330*</td>
<td>3 CHE 340</td>
<td>3</td>
</tr>
</tbody>
</table>

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**University Requirements and General Education Notes:**

US and IL are abbreviations used to designate courses that satisfy University Requirements (United States and International Cultures).

W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of ‘C’ or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

All incoming Schreyer Honors College first-year students at University Park will take ENGL 137H/CAS 137H in the fall semester and ENGL 138T/CAS 138T in the spring semester. These courses carry the GWS designation and replace both ENGL 30H and CAS 100. Each course is 3 credits.

**College Notes:**

- Please see the Chemical Engineering Advising Handbook (https://www.che.psu.edu/academics/undergraduate/handbook.aspx) for lists of courses for the CHE Elective, Engineering Elective, Professional Elective, Physical Chemistry Elective, and Materials Elective.
- Health and Physical Activity Elective: Students who complete the ROTC Program may substitute 3 ROTC credits for the GHW requirement and 3 ROTC credits for a professional elective.
Chemical Engineering, B.S.

• This course offered at University Park in spring semester only: CHE 300.