**ENGINEERING SCIENCE, B.S.**

**Begin Campus:** Any Penn State Campus

**End Campus:** University Park

## Suggested Academic Plan

The suggested academic plan(s) listed on this page are the plan(s) that are in effect during the 2021-22 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 contain suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin).

### Engineering Science, 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 or What If 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

### General Education Course

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 202C (GWS) [[]</td>
<td>3</td>
<td>ESC 411</td>
<td>2</td>
</tr>
<tr>
<td>ESC 404</td>
<td>3</td>
<td>Technical Elective</td>
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<tr>
<td>ESC 410</td>
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<td>Technical Elective</td>
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<tr>
<td>Technical Elective</td>
<td>3</td>
<td>General Education Course [[]</td>
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<tr>
<td>Technical Elective</td>
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<tr>
<td>General Education Course (GHW) [[]</td>
<td>1.5</td>
<td>General Education Course (GHW) [[]</td>
<td>1.5</td>
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</tbody>
</table>

**Total Credits 131-132**

* Course requires a grade of C or better for the major
† Course requires a grade of C or better for General Education
# Course is an Entrance to Major requirement
‡ Course satisfies General Education and degree requirement

### 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, GS, and Integrative Studies 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:

- **CMPSC 201:** Students are expected to complete the version of CMPSC that is required for their intended major. The requirement varies across College of Engineering majors. Students should plan the CMPSC course requirement carefully with the assistance of an academic adviser.
- **Foundational Elective:** Select from department list.
- **Health and Physical Activity:** Students who complete the ROTC Program may substitute 3 ROTC credits for the GHW requirement.
- **Technical Elective:** Select from department list. A student may use only one of the following as a substitute for a Technical Elective: 3 co-op credits, provided the student completes three Cooperative Education Program rotations; 3 ROTC credits, provided the student completes the ROTC Program; or one 3-credit course required for a
minor but not otherwise included in degree requirements, provided the student completes all the requirements of the minor.

• **These courses offered at University Park in fall semester only:**
  - EE 210
  - EMCH 210H
  - ESC 312
  - ESC 404
  - ESC 407
  - ESC 414M
  - ESC 433

• **These courses offered at University Park in spring semester only:**
  - EMCH 212H
  - ESC 261M
  - ME 302