

# COMPUTER ENGINEERING, B.S. (ENGINEERING)

**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 2023-24 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*).

### Computer 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** 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>

#### First Year

Fall	Credits Spring	Credits
MATH 140 (GQ) <sup>*†#‡</sup>	4 CMPSC 121 or 131 (GQ) <sup>**</sup>	3
PHYS 211 (GN, PHYSICS 211L & PHYSICS 211R) <sup>*†#‡</sup>	4 MATH 141 (GQ) <sup>*†#‡</sup>	4
CHEM 110 (GN) <sup>**†</sup>	3 PHYS 212 (GN, PHYSICS 212L & PHYSICS 212R) <sup>**†</sup>	4
General Education Course	3 ENGL 15 (GWS) <sup>*‡</sup>	3
First Year Seminar	1 General Education Course	3
	<b>15</b>	<b>17</b>

#### Second Year

Fall	Credits Spring	Credits
CMPEN 270 <sup>*1</sup>	4 CMPEN 331 <sup>*</sup>	3
CMPSC 122 or 132 <sup>*</sup>	3 CMPSC 221 <sup>*</sup>	3
MATH 250 <sup>*</sup>	3 EE 210 <sup>*</sup>	4
MATH 220	2-3 MATH 231	2
PHYS 214	2 ECON 102 or 104 (GS) <sup>†</sup>	3
General Education Course	3	
	<b>17-18</b>	<b>15</b>

#### Third Year

Fall	Credits Spring	Credits
CMPEN 431 <sup>*</sup>	3 CMPEN 362	3
CMPSC 311 <sup>*</sup>	3 CMPSC 465 <sup>*</sup>	3
EE 310 <sup>*</sup>	4 CMPSC 473	3
STAT 418	3 EE 353 <sup>*2</sup>	3

CMPSC 360 <sup>*</sup>	3 ENGL 202C (GWS) <sup>*††</sup>	3
	<b>16</b>	<b>15</b>

#### Fourth Year

Fall	Credits Spring	Credits
CMPEN 482W (Capstone Design)	3 CMPEN Elective <sup>4</sup>	3
CMPEN Elective <sup>4</sup>	3 CMPSC/CMPEN Elective <sup>3</sup>	3
CAS 100A or 100B <sup>*††</sup>	3 CMPSC/CMPEN Elective <sup>3</sup>	3
Department List (General Elective)	3 Department List (General Elective)	3
General Education Course	3 General Education Course	3
General Education Course (GHW)	1.5 General Education Course (GHW)	1.5
	<b>16.5</b>	<b>16.5</b>

#### Total Credits 128-129

- \* 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

<sup>1</sup> This course is the equivalent of the combination of CMPEN 271 and CMPEN 275.

<sup>2</sup> EE 353 is only offered in the spring semester.

<sup>3</sup> Select from any 400-489 CMPSC or CMPEN course that does not duplicate material already taken or required. No CMPSC/CMPEN 494H or CMPSC/CMPEN 496 may be substituted. CMPSC/CMPEN 497 must be petitioned prior to taking the course.

<sup>4</sup> Select from department list. Restrictions may apply. Computer Engineering Electives are NOT offered every semester or even every year. Contact the department for information on which classes are scheduled to be offered during a given semester.

#### University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy Cultural Diversity 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.

General Education includes Foundations (GWS and GQ), Knowledge Domains (GHW, GN, GA, GH, GS) and Integrative Studies (Inter-domain) requirements. N or Q (Honors) is the suffix at the end of a course number used to help identify an Inter-domain course, but the inter-domain attribute is used to fill audit requirements. Foundations courses (GWS and GQ) require a grade of 'C' or better.

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 satisfy a portion of that General Education requirement. If the student's program prescribes GWS these courses will replace both ENGL 15/ENGL 30H and CAS 100A/CAS 100B/CAS 100C. Each course is 3 credits.