

# ELECTRICAL 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*).

### Electrical 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
CHEM 110 (GN) <sup>**†</sup>	3	CMPSC 121 or 131 <sup>1</sup>	3
EE 8 or 9 (or First Year Seminar) <sup>†</sup>	1	ECON 102 or 104 (GS) <sup>†</sup>	3
ENGL 15, 30H, or ESL 15 (GWS) <sup>††</sup>	3	EDSGN 100 <sup>*1</sup>	3
MATH 140 or 140E (GQ) <sup>**††</sup>	4	MATH 141 or 141E (GQ) <sup>**††</sup>	4
PHYS 211 (PHYS 211L and PHYS 211R (GN)) <sup>**†</sup>	4	PHYS 212 (PHYS 212L and PHYS 212R (GN)) <sup>**†</sup>	4
	<b>15</b>		<b>17</b>

#### Second Year

Fall	Credits	Spring	Credits
CMPEN 270 or 271 <b>and</b> 275 <sup>*</sup>	4	CAS 100A or 100B (GWS) <sup>††</sup>	3
CMPSC 122 or 132	3	EE 200	3
EE 210 <sup>*</sup>	4	EE 310 <sup>*</sup>	4
MATH 220	2-3	MATH 230	4
MATH 250 <sup>*</sup>	3	PHYS 214	2
	<b>16-17</b>		<b>16</b>

#### Third Year

Fall	Credits	Spring	Credits
EE 330 <sup>*</sup>	4	EE 300W (Writing Intensive) <sup>†</sup>	3
EE 340 <sup>*</sup>	4	ENGL 202C (GWS) <sup>††</sup>	3
EE 350 <sup>*</sup>	4	EE/CMPEN 300-Level Elective	3
General Education Course <sup>†</sup>	3	EE/CMPEN 300-Level Elective	3

General Education Course (GHW) <sup>†</sup>	1.5	General Education Course <sup>†</sup>	3
	<b>16.5</b>		<b>15</b>
<b>Fourth Year</b>			
<b>Fall</b>		<b>Credits Spring</b>	<b>Credits</b>
EE 403W	3	EE/CMPEN 400-Level Elective	3
EE/CMPEN 300/400-Level Elective	3	EE/CMPEN 400-Level Elective	3
Related Elective	3	Related Elective	3
Statistics Elective	3	General Education Course <sup>†</sup>	3
General Education Course <sup>†</sup>	3	General Education Course <sup>†</sup>	3
		General Education Course (GHW) <sup>†</sup>	1.5
	<b>15</b>		<b>16.5</b>

#### Total Credits 127-128

\* 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> Completing one of EDSGN 100 or CMPSC 121 or CMPSC 131 is required for Entrance to Major.

#### 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.

#### College Notes:

- **EE/CMPEN 300-Level Elective:** Select from department list.
- **EE/CMPEN 300/400-Level Elective:** Select from department list.
- **EE/CMPEN 400-Level Elective:** Select from department list.
- **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 Related Elective.
- **Related Elective:** Students who complete the ROTC Program may substitute 3 ROTC credits for the GHW requirement and 3 ROTC

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credits for a Related Elective. Students who complete the Cooperative Education Program may substitute up to 6 co-op credits for the Related Electives.

- **Statistics Elective:** Select from department list.