

# ELECTRICAL ENGINEERING, B.S. (CAPITAL)

**Begin Campus:** Any Penn State Campus

**End Campus:** Harrisburg

## 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 Harrisburg 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.

#### First Year

Fall	Credits Spring	Credits
CHEM 110 <sup>*#†</sup>	3 CAS 100A or 100S <sup>‡1</sup>	3
CHEM 111 <sup>†</sup>	1 EDSGN 100 or 100S <sup>1</sup>	3
ENGL 15, 15S, 30T, or ESL 15 <sup>‡1</sup>	3 MATH 141 <sup>*#†</sup>	4
MATH 140 <sup>*#†</sup>	4 PHYS 211 <sup>*#†</sup>	4
General Education Course (Inter-Domain) <sup>2</sup>	3 General Education Course (Inter-Domain) <sup>2</sup>	3
General Education Course (GHW) <sup>2</sup>	1.5	
General Education Course (GHW) <sup>2</sup>	1.5	
	<b>17</b>	<b>17</b>

#### Second Year

Fall	Credits Spring	Credits
CMPEN 271 <sup>*</sup>	3 CMPSC 121, 131, or 201 <sup>3</sup>	3
CMPEN 275 <sup>*</sup>	1 ECON 102, 104, or 14 <sup>†</sup>	3
EMCH 211	3 ENGL 202C <sup>††</sup>	3
MATH 220	2 MATH 250	3
MATH 230	4 PHYS 213	2
PHYS 212 <sup>*†</sup>	4 PHYS 214	2
	SSET 295 (see footnotes) <sup>4</sup>	1
	<b>17</b>	<b>17</b>

#### Third Year

Fall	Credits Spring	Credits
EE 210 <sup>*</sup>	4 EE 310 <sup>*</sup>	4
EE 341 <sup>5</sup>	3 EE 317 <sup>*</sup>	2
CMPEH 472	4 EE 330 <sup>7</sup>	4
STAT 200, 401, 414, or 418 <sup>6</sup>	3-4 EE 352 <sup>*</sup>	4

General Education Course (GH) <sup>2</sup>	3 EE 485 <sup>7</sup>	3
	<b>17-18</b>	<b>17</b>

#### Fourth Year

Fall	Credits Spring	Credits
EE 311	3 EE 406W <sup>*†</sup>	3
EE 405	1 Technical Elective II	3
EE 461 <sup>5</sup>	4 Technical Elective III	3
EE 481	4 Technical Elective IV	2-3
Technical Elective I	3 ENGR 320Y <sup>†</sup>	3
General Education Course (GA) <sup>2</sup>	3	
	<b>18</b>	<b>14-15</b>

**Total Credits 134-136**

\* 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> First-year students at Penn State Harrisburg must take 1 to 3 credits of a First-Year Seminar course, as indicated by the "S" designation at the end of the course number. The program recommends students complete this during their first semester with one of the following courses: ENGL 15S, EDSGN 100S, or CAS 100S.

<sup>2</sup> One of the General Education courses must satisfy the US or IL requirement (ENGR 320Y satisfies the other). The knowledge domains that must be satisfied are indicated in parentheses, but these courses may be taken in any order.

<sup>3</sup> CMPSC 131 recommended.

<sup>4</sup> Most students complete their SSET 295 credit during a summer semester while working at a paid internship with an engineering company.

<sup>5</sup> EE 341 and EE 461 are only offered during Fall semesters.

<sup>6</sup> STAT 200 requires a grade of C or better.

<sup>7</sup> EE 330 and EE 485 are only offered during Spring semesters.

#### 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.