

ELECTRICAL ENGINEERING TECHNOLOGY, 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*).

General Option: Electrical Engineering Technology, 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
ENGL 15, 15S, 30T, or ESL 15 [†]	3 CMPSC 101, 121, or 201	3
MATH 140 ^{††}	4 MATH 141 [†]	4
CHEM 110 [†]	3 EDSGN 100 or 101	2-3
CHEM 111 [†]	1 PHYS 151 or 212 [†]	3-4
PHYS 150 or 211 [†]	3-4 General Education Course	3
General Education Course (GHW)	1.5	
	15.5-16.5	15-17

Second Year

Fall	Credits Spring	Credits
CAS 100A or 100S [‡]	3 General Education Course	3
General Education Course	3 General Education Course	3
General Education Course	3 ENGL 202C [‡]	3
General Education Course	3 General Education Course (GHW)	1.5
CMPEN 271 [*]	3 Electives	6
CMPEN 275 [*]	1	
	16	16.5

Third Year

Fall	Credits Spring	Credits
EE 315 [*]	5 EET 312 [*]	4
CMPEH 472	4 EET 331 [*]	4
MATH 230 (or MATH 250, MATH 408, MATH 430, MATH 444, MATH 446, STAT 200)	4 EE 310	4

SET Elective	3 EE 485	3
	16	15
Fourth Year		
Fall	Credits Spring	Credits
EET 419	1 EET 420W [*]	3
Electronics Elective	4 GEET Technical Elective	4
GEET Technical Elective	4 SET Elective	3
System Elective	4 Elective	3
Elective	4 System Elective	4
	17	17

Total Credits 128-131

* 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

¹ Electives:

Electives are needed to meet minimum program requirements of 128 credits

EE 315 - Electrical Signals and Circuits with Lab, course only offered in Fall semester.

EET 331 Electronic Design, course only offered in Spring semester

EE 485 Energy Systems and Conversion, course only offered in Spring 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.

Program Notes:

- Suggested eight semester plan for students starting at the first-year or re-enrolling from science or engineering programs.
- Students enrolling from 2EET programs will generally follow the requirements for the associate degree during the first-year and second-year and then semesters 5 to 8.

NOTE: Following courses are offered only in semesters as listed below.

- Fall: EE 315, EET 311
- Spring: EET 331, EE 485, CMPET 401, CMPET 402, CMPET 403

Students must complete a 3-credit course in "United States Cultures (US)" and a 3-credit course in "International Cultures (IL)."

A.S. to B.S. General Option: Electrical Engineering Technology, 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.

Third Year

Fall	Credits Spring	Credits
CHEM 110 [†]	3 EET 312 [*]	4
CHEM 111 [†]	1 EET 331 [*]	4
EET 311 [*]	4 MATH 230 (or MATH 250, MATH 408, MATH 430, MATH 444, MATH 446, STAT 200)	4
ENGL 202C [‡]	3 SET Elective	3
MATH 141 ^{††}	4 General Education Course	3
General Education Course (GHW)	1.5	
	16.5	18

Fourth Year

Fall	Credits Spring	Credits
EET 419	1 EET 420W [*]	3
Electronics Elective	4 GEET Technical Elective	4
GEET Technical Elective	4 SET Elective	3
System Elective	4 General Education Course	3
System Elective	4 General Education Course	3
	General Education Course (GHW)	1.5
	17	17.5

Total Credits 69

- * 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

¹ EET 311 Alternating Current Circuits, course only offered in Fall semester.

EET 331 Electronic Design, course only offered in Spring semester.

² General Education Courses

Depending on their prior coursework and academic progress, students may need to take additional General Education courses in the summer before or during the baccalaureate program. (GA, GH, GS, GHW).

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.

Program Notes:

NOTE: Following courses are offered only in semester as listed below.

- Fall: EE 315, EET 311
- Spring: EET 331, EE 485, CMPET 401, CMPET 402, CMPET 403

Students must complete a 3-credit course in "United States Cultures (US)" and a 3-credit course in "International Cultures (IL)."

Computer Engineering Technology Option: Electrical Engineering Technology, 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
ENGL 15, 15S, 30T, or ESL 15 [‡]	3 CMPSC 101, 121, or 201	3
MATH 140 ^{††}	4 MATH 141 ^{††}	4
CHEM 110 [†]	3 EDSGN 100	3
CHEM 111 [†]	1 PHYS 151 or 212 [†]	3-4
PHYS 150 or 211 [†]	3-4 General Education Course	3
General Education Course (GHW)	1.5	

15.5-16.5

16-17

Second Year

Fall	Credits Spring	Credits
CAS 100A or 100S [‡]	3 General Education Course	3
General Education Course	3 General Education Course	3
General Education Course	3 ENGL 202C [†]	3
General Education Course	3 General Education Course (GHW)	1.5
CMPEN 271	3 Electives	6
CMPEN 275	1	

16

16.5

Third Year

Fall	Credits Spring	Credits
EE 315 [*]	5 EET 312 [*]	4
CMPEH 472	4 EET 331 [*]	4
MATH 230 (or MATH 250, MATH 408, MATH 430, MATH 444, MATH 446, STAT 200)	4 EE 310	4
CMPSC 122 (or CMPSC 305, CMPSC 402, CMPSC 422)	3 CMPET 403	4

16

16

Fourth Year

Fall	Credits Spring	Credits
EET 419	1 EET 420W [*]	3
CMPET Elective	4 CMPET 401	3
CMPET Elective	4 CMPET 402	1
Application Elective	4 EE 485	3
Elective	4 CMPEN 431	3
	Elective	3

17

16

Total Credits 129-131

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 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.

Program Notes:

The following courses are offered only in semesters as listed below.

- Fall: PHYS 150, CMPEN 271, CMPEN 275, EE 315, CMPEH 472, MATH 230, MATH 430 EET 311
- Spring: PHYS 151, MATH 250, EET 312, EET 331, EE 310, EE 485, CMPEN 431, CMPET 401, CMPET 402, CMPET 403

* Course requires a grade of C or better for the major

‡ Course requires a grade of C or better for General Education

A.S. to B.S. Computer Engineering Technology Option: Electrical Engineering Technology, 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.

Third Year

Fall	Credits Spring	Credits Summer	Credits
CHEM 110 [†]	3 CMPEN 431	3 General Education Courses	
CHEM 111 [†]	1 EET 312 [*]	4	
EET 311 [*]	4 EET 331 [*]	4	
ENGL 202C [‡]	3 MATH 230 (or MATH 250, MATH 408, MATH 430, MATH 444, MATH 446, STAT 200)	4	
MATH 141 ^{††}	4 General Education Course	3	
General Education Course (GHW)	1.5		
	16.5	18	0

Fourth Year

Fall	Credits Spring	Credits
EET 419	1 CMPET 401	3
General Education Course	3 CMPET 402	1
Application Elective	4 CMPET 403	4
CMPET Elective	4 EET 420W [*]	3
CMPET Elective	4 General Education Course	3
General Education Course (GHW)	1.5 General Education Course	3
	17.5	17

Total Credits 69

Program Notes:

NOTE: The following courses are offered only in semester as listed below.

- Fall: EE 315, MATH 230, MATH 430 EET 311
- Spring: EET 312, EET 331, EE 485, CMPEN 431, CMPET 401, CMPET 402, CMPET 403