

Electrical Engineering (BSEE) Four-Year Plan

Electrical Engineering - Bachelor of Science 2020-2021 Four-Year Plan*

Freshman

First Term	Hours	Second Term	Hours
ENGN 110	2	ECE 111	2
CHEM 121N	3	CHEM 123N	3
CHEM 122N	1	MATH 212	4
MATH 211	4	PHYS 231N	4
ENGL 110C (grade of C or better required)	3	ENGN 150	4
COMM 101R	3		
16		17	

Sophomore

First Term	Hours	Second Term	Hours
MATH 307 (280)	3	ECE 202	3
ECE 201	3	ECE 287	2
ECE 241	4	Non-major Engineering Elective**	3
PHYS 232N	4	MATH 312 (285)	4
Interpreting the Past Way of Knowing	3	ENGL 231C	3
17		15	

Junior

First Term	Hours	Second Term	Hours
ECE 302	3	ECE 304	3
ECE 303	3	ECE 323	3
ECE 313	4	ECE 381	3
ECE 332	3	ECE 387 (or Technical Elective)	3
Human Creativity Way of Knowing	3	Literature Way of Knowing	3
16		15	

Senior

First Term	Hours	Second Term	Hours
ECE 485W (grade of C or better required)	3	ECE 487	2
ECE 486	2	Technical Elective***	3
Technical Elective***	3	Technical Elective***	3
Technical Elective***	3	Human Behavior Way of Knowing	3
ENMA 480	3	Upper-Division General Education course	3

Upper-Division
General Education
course

3

17

14

Total credit hours: 127

* Does not include the University's General Education language and culture requirement. Additional hours may be required.

** Non-major Engineering Elective includes options of any three-credit course from BME, CEE, CS, ENMA (except ENMA 480), MAE, & MSIM.

*** Electrical Engineering students need four technical elective courses selected from one of two options: (1) four 400-level ECE technical elective courses; (2) three 400-level ECE technical elective courses and one 300-level ECE technical elective course or one approved 300- or 400-level CS/MATH/Engineering course.

The General Education requirements in information literacy and research, impact of technology, and philosophy and ethics are met through the major.

Electrical engineering majors must earn a grade of C or better in all 200-level ECE courses prior to taking the next course in the sequence.

This is a suggested curriculum plan to complete this degree program in four years. Please consult information in this Catalog, Degree Works, and your academic advisor for more specific information on course requirements for this degree.