Electrical Engineering (BSEE) Four-Year Plan

Electrical Engineering - Bachelor of Science in Electrical Engineering (BSEE) 2021-2022 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	3	ENGN 150	4
COMM 101R	3		
	16		**17**

Sophomore

First Term	Hours	Second Term	Hours
MATH 307 or 280	3	ECE 202	3
ECE 201	3	ECE 287	2
ECE 241	4	Non-major Engineering Elective**	3
PHYS 232N	4	MATH 312 or 285	4
ENGL 231C	3	Interpreting the Past Way of Knowing	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	3
Human Creativity Way of Knowing	3	Literature Way of Knowing	3
	16		**15**

Senior

First Term	Hours	Second Term	Hours
ECE 485W	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
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	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.

The four-year plan is a suggested curriculum to complete this degree program in four years. It is just one of several plans that will work and is presented only as broad guidance to students. Each student is strongly encouraged to develop a customized plan in consultation with their academic advisor. Additional information can also be found in Degree Works.