Electrical Engineering (BSEE) Dual Major/ Degree with Computer Engineering (BSCOME) Five-Year Plan

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2021-2022 Five-Year Plan*

Freshman

First Term	Hours	Second Term	Hours
ENGN 110	2	ECE 111	2
CHEM 121N	3	CHEM 123N	3
CHEM 122N or 120**	1	MATH 212	4
MATH 211	4	ENGN 150	4
ENGL 110C	3	PHYS 231N	4
COMM 101R	3		
	16		**17**

Sophomore

First Term	Hours	Second Term	Hours
MATH 307 or 280	3	ECE 202	3
ENGL 231C	3	ECE 287	2
ECE 201	3	ECE 241	4
PHYS 232N	4	CS 250	4
CS 381	3	CS 252	1
Human Creativity Way of Knowing	3	Interpreting the Past Way of Knowing	3
	19		**17**

Junior

First Term	Hours	Second Term	Hours
ECE 302	3	ECE 304	3
ECE 303	3	ECE 323	3
ECE 313	4	ECE 346	3
ECE 341	3	ECE 381	3
MATH 312 or 285	4	CS 361	3
		ENMA 480	3
	17		**18**

Senior

First Term	Hours	Second Term	Hours
ECE 484W	3	ECE 487	2
ECE 485W	3	CS 350	3
ECE 486	2	CS 471	3
ECE 443	3	ECE 387	3
ECE 332	3	Technical Elective***	3
Literature Way of Knowing	3	Human Behavior Way of Knowing	3
	17		**17**

Total credit hours: 138

*	Does not include the University's General Education language and culture requirement. Additional hours may be required.
**	CHEM 120 is for online program students only.
***	Electrical & Computer Engineering students pursuing the double major/degree need their final technical elective course to be a 400-level ECE technical elective course.

The General Education requirements in information literacy and research, impact of technology, and philosophy and ethics are met through the major. The upper-division General Education requirement is met through a built-in minor in computer science and through the completion of a second major/degree.

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

The five-year plan is a suggested curriculum to complete this degree program in five 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.

Students seeking two degrees must complete a minimum of 150 credit hours.