

Elec Engr (BSEE) Dual Major/Degree with Modeling & Simulation Engineering Major (BSCOME) Four-Year

Electrical Engineering (BSEE) Dual Major/Degree with Modeling & Simulation Engineering Major (BSCOME) 2022-2023 Four-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 MATH 312 or 285	4
		19	18

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
Interpreting the Past Way of Knowing		3 ECE 306	3
		ECE 320	3
		16	18

Senior

First Term	Hours	Second Term	Hours
ECE 332		3 ECE 387	3
ECE 348		3 ECE 487	2

ECE 406	3	ENMA 480	3
ECE 484W	3	Technical Elective***	3
ECE 485W	3	Literature Way of Knowing	3
ECE 486	2	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 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.

Any ECE course registration issues are to be resolved with the ECE Academic Coordinator and Program Manager.

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.

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