Computer Engineering Major (BSCOME) Dual Degree with Cyber Operations Major (BS) Five-Year Plan

Computer Engineering Major (BSCOME) Dual Degree with Cyber Operations Major (BS Cybersecurity)
2022-2023 Five-Year Plan*

Freshman

First Term	Hours	Second Term	Hours
ENGN 110	2	ECE 111[2]	2
CHEM 121N	3	CHEM 123N	3
CHEM 122N or 120[1]	1	MATH 212	4
MATH 211	4	PHYS 231N	4
ENGL 110C	3	ENGN 150[3]	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	CS 250	4
PHYS 232N	4	CS 252	1
CYSE 200T	3	CS 381	3
		ENGL 231C	3
	17		**16**

Junior

First Term	Hours	Second Term	Hours
ECE 302	3	ECE 304	3
ECE 313	4	ECE 346[4]	3
ECE 341	3	ECE 381	3
CS 361	3	CS 350	3
CRJS 215S or SOC 201S	3	ENMA 480	3
	16		**15**

Senior

First Term	Hours	Second Term	Hours
ECE 484W	3	ECE 487	2
ECE 486	2	ECE 419[6]	3
ECE 443[5]	3	ECE 455[6]	3
CYSE 301	3	CS 471	3
ECE 355[6]	3	CYSE 406 or CRJS 406	3
		Interpreting the Past Way of Knowing	3
	14		**17**

Fifth Year

First Term	Hours	Second Term	Hours
ECE 416[6]	3	CS 390	3
CYSE 425W	3	CS 466	3
CS 467	3	CYSE 368 or 494	3
ECE 470 or MSIM 470	3	PHIL 355E	3
Cyber Approved Program Elective[7]	3	Literature Way of Knowing	3
Human Creativity Way of Knowing	3		
	18		**15**

Total credit hours: 161

*	Does not include the University's General Education language and culture requirement. Additional hours may be required.
1	CHEM 120 is for online program students only.
2	ECE 111 and other ECE required courses satisfy the Cyber Operations Information Literacy & Research requirement.
3	ENGN 150 satisfies the CS 150 requirement in Cyber Operations curriculum.
4	ECE 346 satisfies the CS 170 requirement in Cyber Operations curriculum.
5	ECE 443 satisfies the CS 270 requirement in Cyber Operations curriculum.
6	These courses are required courses for the Cyber Operations curriculum & ECE Technical Electives for Computer Engineering curriculum.
7	Cyber Approval Program Elective remaining options: CS 476, CYSE 407, ECE 483, and IT 417.

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.

Computer engineering and cyber operations 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 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.