



Cybersecurity (Bachelor of Science) from East Texas A&M University

Graduation Plan - Recommended Course Sequence (2024-25)

4-Year (Full-Time)

Blinn College District Computer Science (A.S.)			East Texas A&M University Cybersecurity (B.S.)		
Freshman			Junior		
Fall			Fall		
COSC 1436	Prog Fundamentals I	4	CSCI 303	Techn Comm for Comp Prof	3
MATH 2413	Calculus I	4	CSCI 310	Cybersecurity	3
ENGL 1301	Composition I	3	CSCI 340	Databases	3
060-GEN ED	US HISTORY	3	CSCI 430	Operating Systems	3
			CSCI 434	Computer Networks	3
		TOTAL 14			TOTAL 15
Spring			Spring		
COSC 1437	Prog Fundamentals II	4	CSCI 345	Big Data Security	3
MATH 2414	Calculus II	4	CSCI 360	Cryptography	3
ENGL 1302	Composition II	3	CSCI 458	Network Security & Mgmt	3
060-GEN ED	US HISTORY	3	CSCI Elective - Adv. Cybersecurity		3
050-GEN ED	CREATIVE ARTS	3	CSCI 399	Junior Cyber Design Project	3
		TOTAL 17			TOTAL 15
Sophomore			Senior		
Fall			Fall		
COSC 2436	Programming Fundamentals III [^]	3	MATH 403	Intro to Math Statistics	3
MATH 2305	Discrete Mathematics	3	CSCI 415	Ethics, Law, & Cybersecurity	3
PHYS 2325	University Physics I	3	CSCI 451	Wireless & Mobile Security	3
PHYS 2125	University Physics I Lab	1	CSCI 463	Sys Security & Trusted Comp	3
070-GEN ED	GOVERNMENT	3	CSCI Elective - Adv. Cybersecurity		3
		TOTAL 13			TOTAL 15
Spring			Spring		
COSC 2425	Computer Organization [^]	3	CSCI 452	Malware Analysis	3
PHYS 2326	University Physics II	3	CSCI 459	AI Enhanced Security	3
PHYS 2126	University Physics II Lab	1	CSCI 465	Smart Things Security	3
040-GEN ED	HUMANITIES	3	CSCI 499	Senior Cyber Design Project	3
ECON 2301	Princ of Macroeconomics	3	CSCI Elective - Adv. Cybersecurity		3
070-GEN ED	GOVERNMENT	3			
		TOTAL 16			TOTAL 15

Notes

TOTAL CREDIT-ALL TERMS 120

*Consult with an academic advisor to determine best options

[^]3 or 4 credit courses may be taken (COSC 2325/2425 and 2336/2436) for this requirement