



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

Graduation Plan - Recommended Course Sequence (2024-25)

4-Year (Full-Time)

**Blinn College District
Computer Science (A.S.)**

**Texas A&M University-Commerce
Cybersecurity (B.S.)**

Freshman		Fall		
COSC 1436	Prog Fundamentals I	4		
MATH 2413	Calculus I	4		
ENGL 1301	Composition I	3		
060-GEN ED	US HISTORY	3		
		TOTAL	14	

		Spring		
COSC 1437	Prog Fundamentals II	4		
MATH 2414	Calculus II	4		
ENGL 1302	Composition II	3		
060-GEN ED	US HISTORY	3		
050-GEN ED	CREATIVE ARTS	3		
		TOTAL	17	

Sophomore		Fall		
COSC 2436	Programming Fundamentals III [^]	3		
MATH 2305	Discrete Mathematics	3		
PHYS 2325	University Physics I	3		
PHYS 2125	University Physics I Lab	1		
070-GEN ED	GOVERNMENT	3		
		TOTAL	13	

		Spring		
COSC 2425	Computer Organization [^]	3		
PHYS 2326	University Physics II	3		
PHYS 2126	University Physics II Lab	1		
040-GEN ED	HUMANITIES	3		
ECON 2301	Princ of Macroeconomics	3		
070-GEN ED	GOVERNMENT	3		
		TOTAL	16	

Junior		Fall		
CSCI 303	Techn Comm for Comp Prof	3		
CSCI 310	Cybersecurity	3		
CSCI 340	Databases	3		
CSCI 430	Operating Systems	3		
CSCI 434	Computer Networks	3		
		TOTAL	15	

		Spring		
CSCI 345	Big Data Security	3		
CSCI 360	Cryptography	3		
CSCI 458	Network Security & Mgmt	3		
CSCI Elective - Adv. Cybersecurity		3		
CSCI 399	Junior Cyber Design Project	3		
		TOTAL	15	

Senior		Fall		
MATH 403	Intro to Math Statistics	3		
CSCI 415	Ethics, Law, & Cybersecurity	3		
CSCI 451	Wireless & Mobile Security	3		
CSCI 463	Sys Security & Trusted Comp	3		
CSCI Elective - Adv. Cybersecurity		3		
		TOTAL	15	

		Spring		
CSCI 452	Malware Analysis	3		
CSCI 459	AI Enhanced Security	3		
CSCI 465	Smart Things Security	3		
CSCI 499	Senior Cyber Design Project	3		
CSCI Elective - Adv. Cybersecurity		3		
		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