

UTSA Bachelor of Science in Computer Science
Four-Year Plan – Cyber Operations Track*
2018-2020 Catalog

FALL

SPRING

FIRST YEAR

MAT 1214	Calculus I	4		MAT 1224	Calculus II	4
CS 1083	Prog. I for Comp. Scis.	3		CS 1713/1711	Intro to Prog II/Rec.	3/1
AIS 1203	Academic Inquiry and Scholarship	3		WRC 1023	Freshman Comp II (Q)	3
WRC 1013	Freshman Comp I (Q)	3		CORE	Life & Physical Sciences	3
CORE	Life & Physical Sciences	3				
TOTAL		16		TOTAL		14

SECOND YEAR

CS 2123/2121	Data Structures/Rec.	3/1		CS 2433→3xx3	Principles Cyber Security	3
CS 2233	Discrete Math	3		CS 3423/3421	Systems Prog/Rec.	3/1
CS 3333	Math Foundations	3		CS 3443	Application Programming	3
CORE	Lang, Philosophy, & Cult.	3		CS 3843/3841	Computer Org/Rec.	3/1
CORE	Social & Behavioral Sciences	3				
TOTAL		16		TOTAL		14

THIRD YEAR

CS 3343	Analysis of Alg.	3		CS 3723	Programming Lang	3
CS 3433	Comp and Info Security	3		CS 4353	Unix and Network Sec.	3
CS 3733	Operating System	3		CS 3743	Database Systems	3
CS 3873	Computer Networks	3		CS 4363	Cryptography	3
CORE	American History	3		CORE	American History	3
TOTAL		15		TOTAL		15

FOURTH YEAR

CS 4653	Soft/Malware Reverse Eng.	3		CS 4883	Sec. Software Dev. Analysis	3
CS 4663	Dist. and Cloud Sys. Security	3		CS 3xx3/4xx3	Cyber Security Elective	3
CS 4643	Cellular and Mobile Tech.	3		CS 3xx3/4xx3	Cyber Security Elective	3
CORE	Creative Arts	3		CORE	Component Area Option	3
POL 1013	Introduction to American Politics	3		CORE	Government-Political Sci.	3
TOTAL		15		TOTAL		15

*Subject to approval, the Cyber Operations Track of the Bachelor of Science in Computer Science will become a Bachelor of Science in Cyber Security.

** The three recitations CS 3341, CS 3851, CS 3731 which are associated with CS 3343 (Analysis of Algorithms), CS 3853 (Computer Architecture), CS 3733 (Operating Systems) will be removed from BS-CS degree requirements.

*** CS 3853 (Computer Architecture) is not required for Cyber Operations Track, so total required credits for this track are still 120.