B.S. in Cybersecurity, 2022-23

	Course	Title	Cr.	When	Prerequisites
GE Courses are required to graduate with a Bachelor's Degree from SUU.					
Math Requirements	MATH 1050	College Algebra	4	F/S/Su	MATH 1010 or ACT of 23 or ALEKS of 50
	MATH 1031 or MATH 1040	Statistical Reasoning	3	F/S/Su	MATH 0970 or 0990 or 1010
		Statistical Inference	4	F/S/Su	MATH 1010 or ACT of 23 or ALEKS of 50
CSIS Common Core	CSIS 1000	Intro to Computer Apps & Internet	3	F/Su	
	CSIS 1300	Programming with Python	3	F/S	CS 1400 or IS 1200
	IS 2000	Web Development	3	F/S	
	IS 2400	Technology and Ethics	3	F/S	ENGL 1010 OR 1010E or Eng ACT OF 29
	IS 2600	Data Communications & Networking	3	F/S	
	IS 2670	Fundamentals of Security	3	F/S/Su	IS 2600
CYBER Core	CS 3200	Database Design & Management	3	F/S/Su	Jr or Sr Standing
	CSIS 1310	Security Scripting	3	F/S	CSIS 1300
	CSIS 2010	Computer Applications	3	S	CSIS 1000
	CSIS 3670	Information Assurance Fundamentals	3	F	IS 2670
	CSIS 3700	Intro to Digital Forensics	3	F	IS 2670
	CSIS 4700	Advanced Digital Forensics	3	S	CSIS 3700 or Instructor Permission
	IS 1200	Critical Thinking for Logic and Design	3	As needed	
	IS 2610	System Administration I	3	F	IS 2600
	IS 3010	Technology Project Management	3	S	IS 2600 and (COMM 1010 or 2110 or 2120)
	IS 3600	Network Administration	3	S	IS 2600
	IS 3610	System Administration II	3	S	CSIS 1300 and IS 2610
	IS 3640	Network & Cloud Security	3	S	IS 2670
	IS 3650	Defensive Security	3	F/Su	IS 3640
	IS 3680	Offensive Security & Ethical Hacking	3	s	IS 3540
	IS 4810	Senior Capstone	3	S	IS 3010 and IS 3640, Sr Standing
	Choose one of the following				
	COMM 1010	Intoduction to Communications		F/S/Su	
	COMM 2110	Communication in Human Interactions	3	F/S/Su	
	COMM 2120	Team Work, Decision Making & Lead.		S	
Cyber-security Major Electives (9 credits)	CSIS 4560	Big Data Analytics	3	S-even	CS 3200
	IS 3550	Virtualization and Cloud Computing	3	F-even	IS 3610
	IS 3660	Server Administration	3	F-odd	IS 3610
	IS 3910	Cyber Law	3	As Needed	CSIS 3670
	IS 4400	Emergency Tech Planning & Response	3	F-odd	CSIS 3670 & IS 3010
	IS 4620	Network Design and Management	3	As Needed	IS 2600
	IS 4640	Enterprise Technology Design	3	As Needed	IS 4620
Cyber Electives (choose 3 credits)	CSIS 1100	Outreach Computing Projects	1	F/S/Su	May repeat for up to 3 credits
	CSIS 4540	Human-Computer interfaces	3	S-odd	CS 2420
	CSIS 4880	Community Engagement	1-3	as needed	May repeat for up to 3 credits
	CSIS 4890	Internship	1-9	as needed	May repeat for up to 9 credits
Additional Free Elective credits to total 120 and 40 Upper Division if needed					