B.S. in Information Systems - Network Administration, 2020-2021

	Course	Title	Cr.	Sched.	Prerequisites
Pre-Reqs	Soc/Behavioral	CSIS 1010 - E-Com./Society	3	F/S/Su	
	Quantitative Lit (select one)	MATH 1031 - Statistical Reasoning or	3	F/S/Su	MATH 0970 or higher or MATH ACT 21+
		MATH 1040 - Statistical Inferences	4	F/S/Su	MATH 1010 or Math ACT 23+
		MATH 1050 - College Algebra	4	F/S/Su	MATH 1010 or Math ACT 23+
CSIS Common Core	CS 1400	Fundamentals of Programming	3	F/S	CSIS 1030 or MATH 1050
	CS 1410	Object Oriented Programming	3	F/S/Su	CS 1400
	CS 3200	Database Design and Mgmt	3	F/S/Su	Junior or Senior standing
	CSIS 1000	Intro to Computer Apps	3	F/S/Su	
	IS 2000	Web Development	3	F/S	CSIS 1010 or Instructor permission
	IS 2600	Data Comm & Networking	3	F/S	
	IS 3650	Defensive Security	3	F/Su	IS 2600
Information Systems Required Core	ACCT 2010	Accounting Principles	3	F/S/Su	
	COMM 2120	Team Work, Dec. Leadership	3	S	
	EET 2750	PC Hardware	3	F/S/Su	
	IS 2610	System Administration I	3	F	IS 2600
	IS 2670	Fundamentals of Security	3	S	IS 2600
	IS 2900	Info. Systems Proj. Mgmt.	3	As Needed	MATH 1040 or MATH 1031
	IS 3050	Environ. of Info. Systems	3	F	CSIS 1010
	IS 3100	Systems Analysis & Design	3	S	
	IS 4810	IS Capstone Project	3	S	IS 3050 and IS 3100#
	MATH 1100	Applied Calculus	3	S/Su	MATH 1050 or ACT 25+
	MGMT 3180	Management & Organizations	3	F/S/Su	Pre-Business Core; Advisor override
Network Admin. Core Required Courses	CS 1300	Programming with Python	3	S	MATH 1050
	CSIS 3670	Information Assurances Fund.	3	F	IS 2600
	IS 3610	System Administration II	3	S	IS 2600, IS 2610, CSIS 1300
	IS 3660	Server Administration	3	S	IS 3610
21 Credits Information Systems Major Electives*	ART 3250	Web Design I	3	F/S	IS 2000 or ART 2210
	ART 4250	Web Design II	3	F	ART 3250
	CS 2300	Discrete Structures	3	F	CS 1410
	CS 2420	Into. to Algs. and Data Struct.	3	F/S/Su	CS 1410
	CS 3150	C and C++ Programming	3	F	CS 2420
	CS 3300	Mobile App Dev. for Android	3	S-Odd	CS 2420
	CS 3600	Operating Systems	3	S	CS 2420
	CS 4300	Mobile App Dev. for iOS	3	S-Even	CS 2420
	CSIS 3700	Intro to Digital Forensics	3	F	IS 2600 or Instructor permission
	CSIS 4540	Human-Computer Interfaces	3	S-Odd	CS 2420
	CSIS 4560	Big Data Analytics	3	S-Even	CS 3200
	CSIS 4700	Advanced Digital Forensics	3	S	CSIS 3700
	EET 2780	Digital Electronics I	3	F/Su	MATH 1050 or Higher

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Additional Degree Requirements:

To complete a Bachelor's Degree at SUU, students must earn 120 total credits. Information Systems majors may need 0-2 free elective credits to meet this 120 credit requirement.

Credits older than 10 years must be approved by the CSIS Department Chair before being allowed to count towards the degree due to the rapid change in industry. CS 1400, 1410, and 2420 must all be taken from the same institution, as many institutions teach them in a different programming language; SUU teaches in Java.

* Additional courses outside of this list may count toward major requirements; consult the Department Chair for options. Students may also elect to take CSIA graduate courses (CSIA 6000, 6030, 6040, 6060, or 6240) as part of the undergraduate-graduate bridge program and use some of those courses toward the cybersecurity emphasis electives.