COSC 1337	PROJECTED Rolling Schedule for BS - Computer Science			Anticipated Course Offerings Effective 2022-2024					
COSC 1337	MAJOR		Course Title	FALL 2022	SPRING 2023	SUMMER 2023	FALL 2023	SPRING 2024	SUMMER 2024
COSC 2315	COSC 1336		Programming Fundamentals	Х	Х		Х	Х	
COSC 2336	COSC 1337	Х	Object Oriented Paradigm	Х	Х		Х	Х	
COSC 3315	COSC 2315	Х	Computer Organization	Х	Х		Х	Х	
COSC 3325	COSC 2336	Х	Data Structures and Algorithms	Х	Х		Х	Х	
COSC 3345 X Computer Architecture X X X X X X X X X	COSC 3315	Х	Social and Professional Issues	Х	Х		Х	Х	
COSC 4315 X Information Knowledge & Management	COSC 3325	Х	Algorithm Design & Analysis	Х			Х		
COSC 4315 X Information Knowledge & Management	COSC 3345	Х	Computer Architecture	Х			Х		
COSC 4385 X Database Management Concepts X X X X X X X X X X X X X X X X X X X	COSC 3355	х	Operating Systems		Х			Х	
COSC 4336 X Software Development X Net-Centric Computing X Net-Centric Computer Study of Project X X X X X X X X X X X X X X X X X X X	COSC 4315	Х	Information Knowledge & Management		Х			Х	
CAPSTONE Pre req(s). needed* Course Title FALL 2022 SPRING 2023 SUMMER 2023 FALL 2023 SPRING 2024 SUM COSC 4395 X Capstone Project X X X X X X X X X X X X X X X X X X X	COSC 4385	х	Database Management Concepts		Х			Х	
CAPSTONE Pre req(s). needed* needed* Course Title FALL 2022 SPRING 2023 SUMMER 2023 FALL 2023 SPRING 2024 SUM ELECTIVES Pre req(s). needed* Course Title FALL 2022 SPRING 2023 SUMMER 2023 FALL 2023 SPRING 2024 SUM COSC 4327 X Unix Shell Programming X	COSC 4336	Х	Software Development	Х			Х		
COSC 4395 X Capstone Project X X X X X X X X X X X X X X X X X X X	COSC 4360	х	Net-Centric Computing	Х	Î		Х		
COSC 4395 X Capstone Project X X X X X X X X X X X X X X X X X X X									
ELECTIVES Pre req(s). needed* Course Title FALL 2022 SPRING 2023 SUMMER 2023 FALL 2023 SPRING 2024 SUM COSC 4327 X Unix Shell Programming X X X COSC 4340 X Comparative Study of Programming Languages X X X COSC 4345 X Computer Graphics X X X COSC 4352 X Data Mining X X X COSC 4356 X Computer Vision X X X COSC 4361 X Retail Cyber Security Management X X X COSC 4362 Retail Cyber Security X X X COSC 4363 Contingency Planning X X X COSC 4364 X Cyber Risk Analysis X X COSC 4367 X Cryptography X X X COSC 4370 X Undergraduate Internship Program X X X COSC 4373 X Advanced Database Management Concepts TBD based on staffing availabilty and programmatic needs	CAPSTONE	***	Course Title	FALL 2022	SPRING 2023	SUMMER 2023	FALL 2023	SPRING 2024	SUMMER 2024
COSC 4327 X Unix Shell Programming X COSC 4340 X Comparative Study of Programming Languages X COSC 4345 X Computer Graphics X COSC 4352 X Data Mining X COSC 4356 X Computer Vision X COSC 4361 X Retail Cyber Security Management X COSC 4362 Retail Cyber Security Management X COSC 4363 Contingency Planning X COSC 4363 Contingency Planning X COSC 4364 X Cyber Risk Analysis X COSC 4367 X Cryptography X COSC 4370 X Undergraduate Internship Program COSC 4373 X Advanced Database Management Concepts FALL 2022 SPRING 2023 SUMMER 2023 SUMMER 2023 SUMMER 2023 SUMMER 2023 SUMMER 2023 SPRING 2023 SUMMER 2023 SPRING 2023 SUMMER 2023 SUMMER 2023 SPRING 2023 SUMMER 2023 SPRING 2023 SUMMER 2023 SPRING 2023 SUMMER 2023 SPRING 2023 SUMMER 2023 SUM	COSC 4395	Х	Capstone Project	Х	Х		Х	Х	
COSC 4327 X Unix Shell Programming X COSC 4340 X Comparative Study of Programming Languages X COSC 4345 X Computer Graphics X COSC 4352 X Data Mining X COSC 4356 X Computer Vision X COSC 4361 X Retail Cyber Security Management X COSC 4362 Retail Cyber Security Management X COSC 4363 Contingency Planning X COSC 4363 Contingency Planning X COSC 4364 X Cyber Risk Analysis X COSC 4367 X Cryptography X COSC 4370 X Undergraduate Internship Program COSC 4373 X Advanced Database Management Concepts FALL 2022 SPRING 2023 SUMMER 2023 SUMMER 2023 SUMMER 2023 SUMMER 2023 SUMMER 2023 SPRING 2023 SUMMER 2023 SPRING 2023 SUMMER 2023 SUMMER 2023 SPRING 2023 SUMMER 2023 SPRING 2023 SUMMER 2023 SPRING 2023 SUMMER 2023 SPRING 2023 SUMMER 2023 SUM							•		
COSC 4340 X Comparative Study of Programming Languages X X X X X X X X X X X X X X X X X X X	ELECTIVES		Course Title	FALL 2022	SPRING 2023	SUMMER 2023	FALL 2023	SPRING 2024	SUMMER 2024
COSC 4345 X Computer Graphics X X STATE ST	COSC 4327	Х	Unix Shell Programming				Х		
COSC 4352 X Data Mining X X X X X X X X X X X X X X X X X X X	COSC 4340	Х	Comparative Study of Programming Languages	Х			Х		
COSC 4356 X Computer Vision X Setail Cyber Security Management X X X X X X X X X X X X X X X X X X X	COSC 4345	Х	Computer Graphics				Х		
COSC 4361 X Retail Cyber Security Management X X X X COSC 4362 Retail Cyber Security X X X X COSC 4363 Contingency Planning X X COSC 4364 X Cyber Risk Analysis X X COSC 4367 X Cryptography X X X COSC 4370 X Undergraduate Internship Program COSC 4373 X Advanced Database Management Concepts TBD based on staffing availabilty and programmatic needs	COSC 4352	Х	Data Mining	Х			Х		
COSC 4362 Retail Cyber Security X X X X COSC 4363 Contingency Planning X X X X X X X X X X X X X X X X X X X	COSC 4356	Х	Computer Vision					Х	
COSC 4363 Contingency Planning X S S COSC 4364 COSC 4364 X Cyber Risk Analysis S S S S S S S S S S S S S S S S S S	COSC 4361	Х	Retail Cyber Security Management		Х			Х	
COSC 4364 X Cyber Risk Analysis X COSC 4367 X Cryptography X X COSC 4370 X Undergraduate Internship Program COSC 4373 X Advanced Database Management Concepts TBD based on staffing availabilty and programmatic needs	COSC 4362		Retail Cyber Security	Х			Х		
COSC 4367 X Cryptography X X X COSC 4370 X Undergraduate Internship Program X COSC 4373 X Advanced Database Management Concepts TBD based on staffing availabilty and programmatic needs	COSC 4363		Contingency Planning	Х					
COSC 4370 X Undergraduate Internship Program X COSC 4373 X Advanced Database Management Concepts TBD based on staffing availabilty and programmatic needs	COSC 4364	Х	Cyber Risk Analysis					Х	
COSC 4373 X Advanced Database Management Concepts TBD based on staffing availabilty and programmatic needs	COSC 4367	Х	Cryptography	Х			Х		
, , , , , , , , , , , , , , , , , , ,	COSC 4370	Х	Undergraduate Internship Program			Х			Х
COSC 4277 V Compiler Techniques V	COSC 4373	Х	Advanced Database Management Concepts	TBD based on staffing availabilty and programmatic needs					
10030 4377 A [complier recilliques A	COSC 4377	х	Compiler Techniques		Х				
COSC 4381 X Seminar in Computer Science (Can repeat once - different topics) TBD based on staffing availability and programmatic needs	COSC 4381	х	Seminar in Computer Science (Can repeat once - different topics)		TBD based	on staffing availa	bilty and prog	rammatic needs	
COSC 4388 X Digital Forensics TBD based on staffing availabilty and programmatic needs	COSC 4388	Х		TBD based on staffing availabilty and programmatic needs					
CSCI 4320 X Computational Theory TBD based on staffing availabilty and programmatic needs	CSCI 4320	Х	Computational Theory	TBD based on staffing availabilty and programmatic needs					
CSCI 4332 X Modern Programming (Can repeat once - different topics) TBD based on staffing availability and programmatic needs	CSCI 4332	х	Modern Programming (Can repeat once - different topics)	· · · · · ·					
CSCI 4333 X Assembly Language Programming TBD based on staffing availabilty and programmatic needs	CSCI 4333	х	9 9 7	· · · · ·					
CSCI 4350 X Machine Learning X	CSCI 4350	Х		Ī .					
CSCI 4362 X Ethical Hacking TBD based on staffing availability and programmatic needs		Х	•		TBD based	on staffing availa	bilty and prog	rammatic needs	
CSCI 4363 X Malware Reverse Engineering TBD based on staffing availability and programmatic needs			<u> </u>						

EXPLANATION OF ELECTIVES ON COMPUTER SCIENCE PLAN

Upper Division COSC/CSCI Elective: Any Advisor Approved COSC 3000 or 4000 level course.

Upper Division Elective: Any Advisor Approved 3000 or 4000 level course (Not required to be in the Soules College of Business but it can be.)

Upper/Lower Division Elective: Any course that is 1000, 2000, 3000, or 4000 level. The second number tells you how many hours the class is worth.

NOTE- Rolling schedule is subject to change without notice. This is not your degree plan; this is a tool to be used in conjunction with your degree plan and Academic Catalog. Some elective course offerings are subject to change dependent on staffing availability and programmatic needs

Registration dates: Fall-April 1st, Spring-November 1st, Summer-February 1st. Dates are subject to University schedule.

^{*}See Academic Catalog for prerequisites.