| **PROJECTED** Rolling Schedule for BS - Computer Science | | | Anticipated Course Offerings Effective 2022-2024 | | | | | |

MAJOR	Pre req(s). needed*	Course Title	FALL 2022	SPRING 2023	SUMMER 2023	FALL 2023	SPRING 2024	SUMMER 2024
COSC 1336		Programming Fundamentals	X	X		X	X	
COSC 1337	X	Object Oriented Paradigm	X	X		X	X	
COSC 2315	X	Computer Organization	X	X		X	X	
COSC 2336	X	Data Structures and Algorithms	X	X		X	X	
COSC 3315	X	Social and Professional Issues	X	X		X	X	
COSC 3325	X	Algorithm Design & Analysis	X			X		
COSC 3345	X	Computer Architecture	X			X		
COSC 3355	X	Operating Systems		X			X	
COSC 4315	X	Information Knowledge & Management		X			X	
COSC 4385	X	Database Management Concepts		X			X	
COSC 4336	X	Software Development	X			X		
COSC 4360	X	Net-Centric Computing	X			X		

CAPSTONE	Pre req(s). needed*	Course Title	FALL 2022	SPRING 2023	SUMMER 2023	FALL 2023	SPRING 2024	SUMMER 2024
COSC 4395	X	Capstone Project	X	X		X	X	

ELECTIVES	Pre req(s). needed*	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			X		
COSC 4345	X	Computer Graphics				X		
COSC 4352	X	Data Mining	X			X		
COSC 4356	X	Computer Vision					X	
COSC 4361	X	Retail Cyber Security Management		X			X	
COSC 4362		Retail Cyber Security	X			X		
COSC 4363		Contingency Planning	X					
COSC 4364	X	Cyber Risk Analysis					X	
COSC 4367	X	Cryptography	X			X		
COSC 4370	X	Undergraduate Internship Program			X			X
COSC 4373	X	Advanced Database Management Concepts	TBD based on staffing availabilty and programmatic needs					
COSC 4377	X	Compiler Techniques		X				
COSC 4381	X	Seminar in Computer Science (Can repeat once - different topics)	TBD based on staffing availabilty and programmatic needs					
COSC 4388	X	Digital Forensics	TBD based on staffing availabilty and programmatic needs					
CSCI 4320	X	Computational Theory	TBD based on staffing availabilty and programmatic needs					
CSCI 4332	X	Modern Programming (Can repeat once - different topics)	TBD based on staffing availabilty and programmatic needs					
CSCI 4333	X	Assembly Language Programming	TBD based on staffing availabilty and programmatic needs					
CSCI 4350	X	Machine Learning		X				
CSCI 4362	X	Ethical Hacking	TBD based on staffing availabilty and programmatic needs					
CSCI 4363	X	Malware Reverse Engineering	TBD based on staffing availabilty and programmatic needs					

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.

*See Academic Catalog for prerequisites.

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.