Computer Science Program Outcomes Crosswalk & 7-Year Assessment Plan

IO1   **Communication**: Students will be able to communicate clearly and effectively within a workplace context

IO2   **Quantitative Reasoning**: Analyze and solve computational problems using a modern program language

IO3   **Human Relations/Workplace Skills**: Students will be able to demonstrate teamwork, ethics, appropriate safety awareness and/or workplace specific skills

PO4   Demonstrate the ability to build, upgrade, and repair computer hardware

PO5   Configure, troubleshoot, and administer computer networks and networking hardware

PO6   Deploy and manage server hardware and software to support organizational operations and goals

PO7   Identify basic components of databases, virtualization, security, and project management

NCO: Not currently offered

CS	7-YR ASSESSMENT CROSSWALK & PLAN							
Course #	Course	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
	ASSESSMENT CYCLE YEAR	YR 1	YR 2	YR 3	YR 4	YR 5	YR 6	YR 7
	CAMPUS PLAN		IO1	IO1	IO2	IO2	IO3	IO3
CS 103	INTRO TO COMP HW & OPER SYSTEMS	PO6						
CS 104	INTRO TO COMP HARDWARE			PO 4				
CS 105	INTRO TO COMP OPERATING SYSTEMS			PO 4				
CS 106	INTRO TO VIRTUALIZATION	PO 7						
CS 110	NETWORKING FUNDAMENTALS							PO 5
CS 111	INTRO TO PROGRAMMING				IO2			
CS 115	INTRO TO DB DESIGN/MGMT			PO 7				
CS 116	NETWORKS & NETWORK SECURITY I		PO 5					
CS 117	NETWORKS & NETWORK SECURITY II		PO 5					
CS 120	A+ PREP & CERTIFICATION						IO 3	
CS 121	NETWORK+ PREP & CERTIFICATION						IO 3	
CS 122	SERVER+ PREP & CERTIFICATION						IO 3	
CS 123	SECRUITY+ PREP & CERTIFICATION						IO 3	
CS 124	CLOUD+ PREP & CERTIFICATION						IO 3	
CS 132	ADVANCED PROGRAMMING C++				IO2			
CS 142	ADVANCED PROGRAMMING JAVA				IO2			
CS 151	INTRO TO DIGITAL FORENSICS			PO 7				
CS 152	ETHICAL HACKING			PO 7				
CS 171	CISCO NETWORKING: INTRO TO NETWORKS							PO 5
CS 172	CISCO NETWK: ROUTING SWTCHG & WIRELESS ESSEN							PO 5
CS 173	CISCO NETWK: ENTERPRISE NETWK, SEC, & AUTO							PO 5
CS 205	WINDOWS SERVER ADMIN	PO 6						
CS 206	LINUX SERVER ADMIN	PO 6						
CS 207	INTRO TO SECURITY ADMIN					PO 7		
CS 211	INTRO TO SCRIPTING					PO 7		
CS 235	DATA STRUCTURES ALGORITHMS						IO 3	
CS 245	DATA STRUCTURES & ALGORITHMS W/JAVA						IO 3	
CS 260	COMPUTER PROGRAMMING TOPICS						IO 3	
CS& 131	COMP SCI I: C++				IO 2			
CS& 141	COMP SCI I: JAVA				IO 2			
BUS 289	PROJECT MGMT FOR COMP SCI					PO 7		
WKED 101	PROF PREP I		IO1					
WKED 102	PROF PREP II		IO1					
WKED 103	PROF PREP III		IO1					
NCO: CS 101, 195/7, 260, 295/7								

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CS 106	INTRO TO VIRTUALIZATION			PO7				
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CS 206	LINUX SERVER ADMIN	PO 6						
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CS 117	NETWORKS & NETWORK SECURITY II		PO 5					
WKED 101	PROF PREP I		IO1					
WKED 102	PROF PREP II		IO1					
WKED 103	PROF PREP III		IO1					
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CS 105	INTRO TO COMP OPERATING SYSTEMS			PO 4				
CS 115	INTRO TO DB DESIGN/MGMT			PO 7				
CS 151	INTRO TO DIGITAL FORENSICS			PO 7				
CS 152	ETHICAL HACKING			PO 7				
CS 111	INTRO TO PROGRAMMING				IO2			
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CS 122	SERVER+ PREP & CERTIFICATION						IO 3	
CS 123	SECURITY+ PREP & CERTIFICATION						IO 3	
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