

Southern State Community College

Computer Technology Curriculum (Networking, Programming, Cybersecurity, Robotics)

AAS

2022-23	REQUIRED COURSES:	Semester Hours	Type of Credit	CTAN	ODE High School Course Alignment
Year One/Fall Semester					
PSYC 1110	Principles of Psychology	3	OT36		
CSCI 2246	IT Fundamentals	3	CCP Option		
ENGL 1101	English Composition I	3	OT36		
CSCI 1150	IT Essentials	3	CTAG/CCP Opt	CTIT005	ODE 145030 Computer Systems
CSCI 2275	Professionalism	1	CCP Option		
XXXXXX	General Elective	3	OT36		
Year One/Spring Semester					
	Focus Area 1 (Class 1 of 3)				
	Focus Area 2 (Class 1 of 3)				
Math 1141	College Algebra (Only need MATH 1120 for AAS only)	4	OT36		
ENGL 1102	English Composition II	3	OT36		
PHIL 1107	Ethics	3	OT36		
Year Two/Fall Semester					
	Focus Area 1 (Class 2 of 3)				
	Focus Area 2 (Class 2 of 3)				
CSCI 1155	Linux	3	CTAG/CCP Opt	CTIT016	ODE 145040 Network Operating Systems
PHYS 2201/11	General Physics I/Lab	4	OT36		
CSCI Elective	Internships, Seminar, Systems Analysis, or Implications of IT	3			
Year Two/Spring Semester					
	Focus Area 1 (Class 3 of 3)				
	Focus Area 2 (Class 3 of 3)				
CSCI 2234	Server Administration	3			
CSCI 2290	Computer Technology Capstone	3			
COMM 1110	Interpersonal Communication	3	CCP Option		
Networking Focus					
CSCI 2233	CISCO Introduction to Networks	3	CTAG	CTIT017	ITAG ITITN017
CSCI 2236	CISCO Routing and Switching Essentials	3	CTAG	CTIT018	ITAG ITITN018
CSCI 2239	CISCO Enterprise Networking, Security, and Automation	3	CTAG	CTIT019	ITAG ITITN019
After completing the CISCO Introduction to Networks and CISCO Routing and Switching Essentials courses students can obtain the Cisco Networking Academy Certification for ITAG status					
Programming Focus					
CSCI 1121	Introduction to Computer Programming	3	Bilateral		Completion of IT Pathway
CSCI 2263	HTML 5 Programming	3			
CSCI 2205	Mobile Device Programming	4			
Cybersecurity Focus					
CYBR 2210	Introduction to Cybersecurity	3	CTAG	CTCYB001	ODE 146010 Cybersecurity Defense
CYBR 2220	Ethical Hacking	3			
CYBR 2230	Advanced Cybersecurity	3			
After completing the Cybersecurity Focus area students can obtain the CompTIA Security+, CompTIA CySA+, & CompTIA PenTest+ Certifications.					
Robotics Focus					
EENG 1105	DC Circuits & Devices	3	CTAG	CTEET001	175105 DC Electronic Circuits
CSCI 2260	Microcontroller Programming	3	CTAG	CTEET003	175004 Programmable Logic Controls
EENG 2205	Digital Electronics	3	CTAG	CTEET002	175007 Digital Electronics
COLLEGE CREDIT OPPORTUNITY (from above)- depends on high school course completion					
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PSYC 1110	Principles of Psychology	3	OT36		
ENGL 1101	English Composition I	3	OT36		
XXXXXX	General Elective	3	OT36		
Math 1141	College Algebra (Only need MATH 1120 for AAS only)	4	OT36		
ENGL 1102	English Composition II	3	OT36		
PHYS 2201	General Physics I	4	OT36		
PHIL 1107	Ethics	3	OT36		
COMM 1110	Interpersonal Communication	3	OT36		
CSCI 1121	Computer Programming	3	Bilateral		Completion of IT Pathway
EENG 1105	DC Circuits & Devices	3	CTAG	CTEET001	175105 DC Electronic Circuits
EENG 2205	Digital Electronics	3	CTAG	CTEET002	175007 Digital Electronics
CSCI 2260	Microcontroller Programming	3	CTAG	CTEET003	175004 Programmable Logic Controls
CYBR 2210	Intro to Cybersecurity	3	CTAG	CTCYB001	146010 Cybersecurity Defense
CSCI 1150	Linux	3	CTAG	CTIT016	145040 Network Operating Systems
CSCI 2233	CISCO Introduction to Networks	3	CTAG	CTIT017	ITAG ITITN017
CSCI 2236	CISCO Routing and Switching Essentials	3	CTAG	CTIT018	ITAG ITITN018
CSCI 2239	CISCO Enterprise Networking, Security, and Automation	3	CTAG	CTIT019	ITAG ITITN019