

Southern State Community College

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

AAS

2025-26	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					
	<i>Focus Area 1 (Class 1 of 3)</i>				
	<i>Focus Area 2 (Class 1 of 3)</i>				
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					
	<i>Focus Area 1 (Class 2 of 3)</i>				
	<i>Focus Area 2 (Class 2 of 3)</i>				
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					
	<i>Focus Area 1 (Class 3 of 3)</i>				
	<i>Focus Area 2 (Class 3 of 3)</i>				
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 7 for ITAG status					
Programming Focus					
CSCI 1121	Introduction to Computer Programming	3	Bilateral		Completion of ODEW 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	ITAG	ITCYBR002	
CYBR 2230	Advanced Cybersecurity	3	ITAG	ITCYBR003	
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 ODEW IT Pathway
EENG 1105	DC Circuits & Devices	3	CTAG	CTEET001	175105 DC Electronic Circuits*
EENG 2205	Digital Electronics	3	CTAG	CTEET002	175007 Digital Electronics