Augusta Technical College and Thomas Edison State University Transfer
Associate in Cybersecurity to BS in Cybersecurity

General Education Requirements	Required Hours	TESU Course Title and Number	TESU SH	ATC Course Title and Number	ATC SH
Complete all 5 sub requirements					
I: Intellectual and Practical Skills					
Written Communication	6	ENG 102 English Composition II	3	ENGL 1101 Composition and Rhetoric	3
Oral Communication	3	COM 209 Public Speaking or Technical Communication	3		
Quantitative Literacy	3			Math 1111 College Algebra	3
Information Literacy	3	TESU Information Literacy Course List	3		
Total	15		9		6
II: Civic & Global Learning					
Diversity	3	TESU Diversity Course List	3		
Ethics	3	TESU Ethical Leadership Course List	3		
Civic Engagement	3	TESU Civic Engagement Course List	3		
Total	9		9		
III: Knowledge of Human Cultures					
Complete courses in the Humanities and/or Sciences:	9				
				Social/Behavioral Sciences Elective	3
				Humanities/Fine Arts Elective	3
		ECO 112 Microeconomics	3		
Total	9		3		6
IV: Understanding of the Physical and Natural World					
Complete either 3 nonlab courses or 2 lab courses and three credits of math or statistics.	8-9				
Mathematics/Statistics	3	STA-201 Statistics	3	CIST 2341 C# Programming I	4

				CIST 1001 Computer Concepts	4
				CIST 1122 Hardware Install. & Maintenance	4
Total	11-12		3		12
V: Electives					
Complete 16 Semester Hours in General Education Electives					
Lifelong Learning Strategies Required		TES Cornerstone	1	General Education Elective	3
				CIST 1220 Structured Query Language	4
				CIST 2431 Unix/Linux Introduction	4
				CIST 2411 Microsoft Client	4
Total	15-16		1		15
Total General Education	60-61		25		51
Cybersecurity Core (Total 54 credits)					
CYB 120 Introduction to Cybersecurity	3			CIST 1601 Information Security Fund.	3
ITS 130 Database Fundamentals	3	ITS 130 Database Fundamentals	3		
ITS 140 Introduction to Networking	3			CIST 2451 Intro to Networks CISCSO	3
ITS 150 Computer Programming I	3				
ITS 160 Fundamentals of Modern Operating Systems	3			CIST 2601 Implement Operating Sys Sec	4
CYB 220 Defensive Security	3			CIST 2602 Network Security	4
CYB 221 Firewalls and Perimeter Security	3			CIST 2611 Network Defense & Counter measure	4
ITS 231 Database Programming	3				
ITS 240 Routing and Switching Fundamentals	3			CIST 2613 Ethical Hacking and Penetration	4
ITS 261 Linux	3				
CYB 320 Ethical Hacking	3			CIST 2613 Ethical Hacking & Penetration	4
CYB 231 Digital Forensics Techniques and Practices	3	CYB 321 Digital Forensics Techniques and Practices	3		

ITS 340 Wireless and Mobile Networking	3	ITS 340 Wireless and Mobile Networking	3		
ITS 363 Windows Server Configuration	3	ITS 363 Windows Server Configuration	3		
CYB 420 Critical Infrastructure Security	3	CYB 420 Critical Infrastructure Security	3		
CYB 421 Cybersecurity Risk Analysis and Management	3	CYB 421 Cybersecurity Risk Analysis and Management			
CYB 422 Cybersecurity Policies, Programs and Compliance	3			CIST 1601 Security Policies & Procedures	3
CYB 295 Cybersecurity Capstone	3	CYB 295 Cybersecurity Capstone			
Total	54		21		29
Electives	6			CIST 2612 Computer Forensics	4
				CIST CISCO CCCNA Security	4
Total	6		21		8
Total for Degree	120-121		46		88
Notes: Minimum grade of C or better is required for all Written Communication Courses. Must have 18 Upper division credits in the degree programs. Required for the degree: College Algebra (3) or above, Statistics (3), Economics (3).					