

Illinois Eastern Community Colleges		2021-2022		Southern Illinois University Carbondale				
AAS Information Systems Technology Cybersecurity Specialist Track - 61 hrs		BS Information Technology (ITEC) - 120 hrs						
		UCC Capstone - 30 hrs						
		Hrs			Hrs			
SPE 1101	Fund of Effective Speaking	3	UNIV 101	Saluki Success	NA			
ENG 1111	Composition I	3	CMST 101	Intro to Oral Communication	T			
			ENGL 101	English Composition I	T			
			ENGL 102	English Composition II	NA			
MTH 1102	College Algebra	4	MATH 108	College Algebra	T			
MTH 1103 -or- 1131	Liberal Arts Math -or- Intro to Statistics	3	MATH 101 -or- 282	Intro to Contemporary Math -or- Intro to Statistics	T			
ECN 1101 -or- PSY 1101 -or- SOC 2101	Intro to Econ -or- Gen Psyc I -or- Prin Soc	3	ECON 113 -or- PSYC 102 -or- SOC 108	Econ Contemp Issues -or- Intro Psyc -or- Intro Soc	T			
			HUMANITIES		NA			
			PHIL 104 -or- 105	Ethics -or- Elementary Logic	3			
			PHYSICAL SCIENCE		3			
			LIFE SCIENCE		3			
			FINE ARTS		3			
			HUMAN HEALTH		NA			
			MULTICULTURAL		3			
		16			15			
Program Requirements			Program Requirements					
GEN 2297	Employment Skills	2	Any unarticulated course(s) will be used to satisfy general elective credit.					
IST 1200	Intro to Information Technology	3						
IST 1210	IT Essentials	3						
IST 1240	Business Apps Computing	3						
IST 1298	Topics in IST	1						
IST 2203	Cybersecurity Essentials	3						
IST 2205	IoT Security	3						
IST 2206	Cybersecurity Operations	3						
IST 2210	IST Internship	3						
IST 2231	IoT Connecting Things	3						
IST 2232	IoT Big Data Analytics	3						
IST 1201	Intro to Networks	3				ITEC 224	Network Fundamentals	T
IST 1220	Java Programming	3				ITEC 209	Intro to Programming	T
IST 1260	Operating Systems	3				ITEC 225	Operating Systems	T
IST 2202	Linux Essentials	3	ITEC 227 (elective)	Linux Essentials	T			
IST 2280	Network Security	3	ITEC 216	Information Security Fundamentals	T			
		45						
			ITEC 280	Discrete Math for IT	3			
			ITEC 312	Programming II	3			
			ITEC 314	Ethical & Legal Issues in IT	3			
			ITEC 334	Database Design & Processing	3			
			ITEC 235	System Administration	3			
			ITEC 236	Web-based Apps in IT	3			
			ITEC 265	Applied Statistics for the IT Profession	3			
			ITEC 390	Career Development for IT Professionals	3			
			ITEC 370	Database Programming with SQL	3			
			ITEC 380	User Experience Design	3			
			ITEC 404	IT Project Management	3			
			ITEC 412	Information Technology: Analysis, Design & Implementation	3			
			ITEC 495	Senior Project I	3			
			ITEC Approved Electives	15 hours at 300/400 level	15			
					54			
Total semester hrs completed w/AAS degree		61	Total semester hrs completed w/BS degree		69			
			Total to BS Degree:		130			
Degree Plan updated on 6/1/2021 by SG								