

PROGRAM ARTICULATION DEGREE PLAN					
Prairie State College		2023-2024	Southern Illinois University Carbondale		
AAS Information Technology: Cyber Defense Option - 60 Hours			BS Information Technology (ITEC) - 120 Hours		
			University Core Curriculum (UCC) Capstone Option - 30 hrs		
			Hrs		Hrs
COMM 101	Principles of Communication	3	UNIV 101	Saluki Success	NA
ENG 101	Composition I	3	CMST 101	Intro to Oral Communication	T
			ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
			MATH 101	Satisfied by Transfer Course (see below)	T
			SOCIAL SCIENCE		3
	IAI Social/Behavioral Science	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	T
			HUMANITIES		3
			HUMANITIES		NA
	IAI Physical Science	3	PHYSICAL SCIENCE	See SIUC Transfer Equivalency Guide	T
			LIFE SCIENCE		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		12			15
Program Requirements			Program Requirements		
IT 101	IT Orientation	1	Any unarticulated courses will be used to satisfy general elective credit		
IT 201	Systems Design & Development	3			
IT 205	Ethics in Information Technology	2			
		6			
Cyber Defense Concentration Courses					
ITCYB 103	Intro to Cybersecurity	2			
ITCYB 143	Scripting & Security	3			
ITCYB 153	Digital Forensics	3			
ITCYB 203	Advanced Network Defense	3			
ITCYB 273	Cybersecurity Operations	4			
ITNET 175	Intro to Networking II	3			
IT 106 (program requirement)	Mathematics for Computers	3	MATH 101	Intro to Contemporary Math	T
IT 140 (program requirement)	Intro to Operating Systems	3	ITEC 225	Operating Systems	T
IT 240 -and- 253	Linux Operating System -and- Linux System	6	ITEC 227 (elective)	Linux Essentials	T
ITNET 165	Intro to Networking	3	ITEC 224	Network Fundamentals	T
ITNET 250	Intro to LAN Administration	3	ITEC 224	Network Fundamentals	T
ITNET 260	Network Security Fundamentals	3	ITEC 216	Information Security Fundamentals	T
ITNET 280	Ethical Hacking	3	ITEC 228 (elective)	Intro to Cyber Operations	T
		42			
			ITEC 209	Intro to Programming	3
			ITEC 235	System Administration	3
			ITEC 236	Web-based Applications in Information Technology	3
			ITEC 265	Applied Statistics for the IT Profession	3
			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 370	Database Programming with SQL	3
			ITEC 380	User Experience Design	3
			ITEC 390	Career Development for IT Professionals	3
			ITEC 404	Information Technology Project Management	3
			ITEC 412	Information Technology: Analysis, Design & Implementation	3
			ITEC 419 -or- 495	Occupational Internship -or- Senior Project I	3
			ITEC Major Electives	Must be at 300/400 level	15
					57
Total semester hrs completed with AAS degree:			60	Total semester hrs completed with BS degree:	72
Degree Plan updated on 7/21/2023 by RP			Total semester hrs to BS degree:		
			132		