

Academic Program Sequence Map

Program Degree Type and Name: **Bachelor of Science in Cybersecurity**

Catalog Year: **2021- 2022**

Program Level: Undergraduate

Academic Term Type: Semester

** Denote core course with an asterisk and (cc) next to the course number*

Year and Term: Year 1 Fall term		Credits Per Classification					
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	
ENGL111: Written Engl and Lit Studies I	3	x					
CINQ 101 Critical Inquiry	3	x					
MATH116: College Algebra	3	x					
CISC120: Intro Computers & App Software	3	x					
Gen Ed or ENGL 110	3	x					
Term Credit Total:	15	15					
Year and Term: Year 2 Fall term		Credits Per Classification					
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	
MATH244: Discrete Structures	3		x			MATH 201	
CISC231: Foundations of Computing II	3	x				CISC 131	
IASP230: Intro to Cybersecurity	3		x				
Gen Ed	3	x					
Gen Ed	3	x					
Term Credit Total:	15	9	6				
Year and Term: Year 3 Fall term		Credits Per Classification					
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	
JRSM301 : Junior Seminar	3	x				ENGL112, SPCM110, MATH116	
CISC337: Database Management System	3		x			CISC 231	
IASP355: Pen. Testing & Ethical Hacking	3		x			IASP221	
Gen Ed	3	x					
Gen Ed	3	x					
Term credit total:	15	9	6				
Year and Term: Year 4 Fall term		Credits Per Classification					
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	
IASP420: Network Security	3		x			CISC335	
IASP455: Sec. & Intel. Programming	3		x			CISC 231 & CISC 339	
Major Elective	3		x				
Major Elective	3		x				
Open Elective	3			x			
Term Credit Total:	15		12	3			

Year and Term: Year 1 Spring term		Credits Per Classification					
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	
ENGL112: Written Engl and Lit Studies II	3	x				ENGL111	
MATH201: Precalculus	3	x				MATH116 or B or higher in Algebra	
CISC131: Foundations of Computing I	3	x			B or higher		
COMM 110: Oral Communication	3	x					
Gen Ed	3	x					
Term Credit Total:	15	15					
Year and Term: Year 2 Spring term		Credits Per Classification					
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	
MATH122: Statistics	3	x				MATH 116	
IASP221: Linux Administration	3		x		B or higher	CISC131	
IASP330: Dis. Recovery & Bus. Continuity	3		x			IASP 230	
Gen Ed	3	x					
Gen Ed	3	x					
Term Credit Total:	15	9	6				
Year and Term: Year 3 Spring term		Credits Per Classification					
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	
CISC385: Cryptography	3		x			MATH244	
CISC335: Computer Network	3		x			CISC231	
IASP340 Security Policy and Procedures	3		x				
Gen Ed	3	x					
Open Elective	3			x			
Term Credit Total:	15	3	9	3			
Year and Term: Year 4 Spring term		Credits Per Classification					
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	
* IASP470 (cc): Capstone (System Sec.)	3		x			CISC 335 & IASP 355	
IASP430: Digital Forensics	3		x			IASP 355	
Major Elective	3		x				
Open Elective	3			x			
Open Elective	3			x			
Term Credit Total:	15		9	6			

Program Totals	Credits: 120	General Education: 60	Major & Major Elective: 48	Open Elective: 12
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Legend: CR: Credits GE: General Education Maj: Major / Major Elective OE: Open Elective SM: Success Marker Co/Prerequisite(s): List of co/ prerequisites for noted course