

Academic Program Sequence Map

Program Degree Type and Name: Bachelor of Science in Cybersecurity

Catalog Year: 2024- 2025

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)	Milestone/Advice
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)	Milestone/Advice
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)	Milestone/Advice
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)	Milestone/Advice
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)	Milestone/Advice
ENGL112: Written Engl and Lit Studies II	3	x					ENGL111
MATH201: Precalculus	3	x					MATH116 or B or higher in
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)	Milestone/Advice
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)	Milestone/Advice
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)	Milestone/Advice
* 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 GC: Gateway Courses CA: Career Activity ELC: Experiential Learning Course

Office of the Provost July 2024

Academic Program Sequence Map

Milestone/Advice
GC
Milestone/Advice
Milestone/Advice
Milestone/Advice
CA/ELC