

Academic Program Sequence Map

Program Degree Type and Name: **BS/MS 4+1 in Cybersecurity**

Catalog Year: **2022-2023**

Program Level: **Undergrad/Graduate**

Academic Term Type: **Semester**

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

Year and Term: Year 1 Fall term							Year and Term: Year 1 Spring term						
Credits Per Classification							Credits Per Classification						
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)
ENGL111: Written Engl and Lit Studies I	3	x					ENGL112: Written Engl and Lit Studies II	3	x				ENGL 111
CINQ 101 Critical Inquiry	3	x					MATH201: Precalculus	3	x				MATH 116
MATH116: College Algebra	3	x					CISC131: Foundations of Computing I	3	x			B or higher	
CISC120: Intro Computers & App Software	3	x					COMM 110 Oral Communication	3	x				
Gen Edu or ENGL 110	3	x					Gen Ed	3	x				
Term Credit Total:							Term Credit Total:						
15 15							15 15						
Year and Term: Year 2 Fall term							Year and Term: Year 2 Spring term						
Credits Per Classification							Credits Per Classification						
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)
MATH244: Discrete Structures	3		x			MATH 201	MATH122: Statistics	3	x				MATH 116
CISC231: Foundations of Computing II	3	x				CISC/MATH 131	IASP 321: Linux Administration	3		x		B or higher	CISC 131
IASP230: Intro to Cybersecurity	3		x		B or higher	CISC131	IASP330: Dis. Recovery & Bus. Continuity	3		x			IASP 230
Gen Ed	3	x					Gen Ed	3	x				
Gen Ed	3	x					Gen Ed	3	x				
Term Credit Total:							Term Credit Total:						
15 9 6							15 9 6						
Year and Term: Year 3 Fall term							Year and Term: Year 3 Spring term						
Credits Per Classification							Credits Per Classification						
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)
JRSM301 : Junior Seminar	3	x				ENGL112, SPCM110, MATH116	CISC385: Cryptography	3		x			MATH 244
CISC337: Database Management System	3		x			CISC 231	CISC335: Computer Network	3		x			CISC 231
IASP355: Pen. Testing & Ethical Hacking	3		x			IASP 221	IASP340 Security Policy and Procedures	3		x			
Gen Ed	3	x					Gen Ed	3	x				
Gen Ed	3	x					Major Elective				x		
Term credit total:							Term Credit Total:						
15 9 6							15 3 12						
Year and Term: Year 4 Fall term							Year and Term: Year 4 Spring term						
Credits Per Classification							Credits Per Classification						
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)
IASP420: Network Security	3		x			CISC335	IASP470 : Capstone (System Sec.)	3		x			Six 300 upper level courses
IASP455: Sec. & Intel. Programming	3		x			CISC 231 & CISC339	IASP430: Digital Forensics	3		x			CISC 337 & IASP221
Major Elective	3		x				Major Elective	3		x			
IASP 500 Topics in Info. Security	3			x	B+ or higher		Graduate Legal/Mgmt Elective	3			x		
IASP 505 Found. of Cybersec. Sci.	3			X	B+ or higher		Graduate Application or Network Elective	3			x		
Term Credit Total:							Term Credit Total:						
15 9 6							15 9 6						
Year and Term: Year 5 Fall Term							Year and Term: Year 5 Spring Term						
Credits Per Classification							Credits Per Classification						
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)
Graduate Application or Network Elective	3		x				IASP 600: Master's Project (Capstone)	3		x			See Note2 below
Graduate Special Category Elective	3		x				Graduate Major Category Elective	3		x			
Graduate Major Category Elective	3		x				Graduate Major Category Elective	3		x			
Term Credit Total:							Term Credit Total:						
9 9							9 9						
Program Totals							Program Totals						
Credits: 138							Credits: 138						
General Education: 60							General Education: 60						
Major & Major Elective: 66							Major & Major Elective: 66						
Open Elective: 12							Open Elective: 12						

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

Note 2: IASP500, IASP505, and at least one from each {Application, Network and Legal/Management Categories}