

Program Degree Type and Name: **BS/MS Dual in Cybersecurity**

Catalog Year: **2021-2022**

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		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 Edu or ENGL 110	3	x				
Term Credit Total:	15	15				

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				ENGL 111
MATH201: Precalculus	3	x				MATH 116
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 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/MATH 131
IASP230: Intro to Cybersecurity	3		x		B or higher	CISC131
Gen Ed	3	x				
Gen Ed	3	x				
Term Credit Total:	15	9	6			

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
IASP 321: Linux Administration	3		x		B or higher	CISC 131
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 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			IASP 221
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			MATH 244
CISC335: Computer Network	3		x			CISC 231
IASP340 Security Policy and Procedures	3		x			
Gen Ed	3	x				
Major Elective			x			
Term Credit Total:	15	3	12			

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 & CISC339
Major Elective	3		x			
MS Application Elective	3			x		
MS Network Elective	3			x		
Term Credit Total:	15		9	6		

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			Six 300 upper level courses
IASP430: Digital Forensics	3		x			CISC 337 & IASP221
Major Elective	3		x			
MS Application Elective	3			x		
MS Legal/Mgmt Elective	3			x		
Term Credit Total:	15		9	6		

Year and Term: Year 5 Fall Term		Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)
*IASP 500 cc Topics in Info. Security	3		x		B+ or higher	
*IASP 505 Found. of Cybersec. Sci.	3		x		B+ or higher	
Elective Legal/Mgmt Category	3		x			
Term Credit Total:	9		9			

Year and Term: Year 5 Spring Term		Credits Per Classification				
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)
IASP 585 Appl. Cryptography	3		x			CISC 385
Elective Application Category	3		x			
Elective Network Category	3		x			
Term Credit Total:	9		9			

Program Totals	Credits: 138	General Education: 60	Major & Major Elective: 66	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