

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

Catalog Year: **2019-2020**

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	12	3				
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	6	9				
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	CISC 131	
IASP330: Dis. Recovery & Bus. Continuity	3		x			IASP 230	
Gen Ed	3	x					
Gen Ed	3	x					
Term Credit Total:	15	6	9				
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					
Term Credit Total:	12	3	9				
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			CISC339	
Gen Ed	3	x					
MS Application Elective	3			x			
MS Network Elective	3			x			
Term Credit Total:	15	3	6	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	
Gen Ed	3	x					
MS Application Elective	3			x			
MS Legal/Mgmt Elective	3			x			
Term Credit Total:	15	3	6	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				
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

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