

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

Catalog Year: **2023-2024**

Program Level: Undergrad/Graduate

Academic Term Type: Semester

**** Denote core course with an asterisk and (co) 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										
CINO101 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 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 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 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									
IASP 500 Topics in Info. Security	3			x	B+ or higher							
IASP 505 Found. of Cybersec. Sci.	3			x	B+ or higher							
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)						
Graduate Application or Network Elective	3		x									
Graduate Special Category Elective	3		x									
Graduate Major Category Elective	3		x									
Term Credit Total:	9		9									
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 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 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	3		x									
Term Credit Total:	15	3	12									
Year and Term: Year 4 Spring term						Credits Per Classification						
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)						
IASP470 : Capstone (System Sec.)	3		x			Six 300 upper level courses						
IASP430: Digital Forensics	3		x			CISC 337 & IASP221						
Major Elective	3		x									
Graduate Legal/Mgmt Elective	3			x								
Graduate Application or Network Elective	3			x								
Term Credit Total:	15		9	6								
Year and Term: Year 5 Spring Term						Credits Per Classification						
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)						
IASP 600: Master's Project (Capstone)	3		x			See Note2 below						
Graduate Major Category Elective	3		x									
Graduate Major Category Elective	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

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

Note: (Major Categories are listed below)

Application Category	IASP520 Data Mining & Knowledge Discovery IASP525 Databases Security IASP530 Forensic Computing IASP565 Social Media & Security IASP 585 Applied Cryptography
Network Category	IASP550 Intrusion Detection & Prevention IASP555 Mobile Tech & Wireless Sensor Services IASP560 Wireless Network & Security
Legal/Management Category	IASP510 Social Implication of Info Security IASP540 IT Audit and Compliance IASP580 Security Audit & Compliance
Special Category	IASP590 Internship: Adv Topics in Sec Practice IASP595 Special Topics in Info Security IASP 599 Independent Study IASP601 Master's Thesis
Major Electives	9 credits can be taken from any of the Application, Network, Legal/Management Category, or Special Category)
Capstone Category	IASP 600 Master's Project