

MAJOR Computer Science

Computer Information Security SPECIALIZATION
2020 - rev. 6/19

YEAR 1			YEAR 1		
FRESHMAN FALL			FRESHMAN SPRING		
COURSE NUMBER	COURSE NAME	CREDITS	COURSE NUMBER	COURSE NAME	CREDITS
COS 107	Problem Solving, Logic & Design	3	COS 108	Principles of Computer Science I	4
EDU 118	Introduction to University Learning	3	EDU 186	Creativity and Formative Mindsets (QEP)	3
ENG 101	English Composition I	4	ENG 102	English Composition II	3
MAT 115	College Algebra	3	MAT 125	Business Calculus and Matrices	3
Natural Science		3	Social/Behavioral		3
Total		16	Total		16

YEAR 2			YEAR 2		
SOPHOMORE FALL			SOPHOMORE SPRING		
COURSE NUMBER	COURSE NAME	CREDITS	COURSE NUMBER	COURSE NAME	CREDITS
COS 109	Principles of Computer Science II	4	COS 200	Computer Information Systems	3
SPE 103	Interpersonal Communication	3	COS 281	Intro to Information Security & Assurance	3
Arts and Humanities		3	COS 340	Data Structures	3
Social/Behavioral		3	ENG 216	Technical Writing	3
			Arts and Humanities		3
Total		13	Total		15

YEAR 3			YEAR 3		
JUNIOR FALL			JUNIOR SPRING		
COURSE NUMBER	COURSE NAME	CREDITS	COURSE NUMBER	COURSE NAME	CREDITS
COS 275	Game Programming Foundation I	4	COS 302	Operating Systems	3
COS/DGE 300	System Design /Software Engineering	3	COS 334	Cyber Forensics	4
COS 301	Computer Organization	4	COS 364	Data Storage and Data Mining	3
COS 310	Discrete Computing Structures	3	Arts and Humanities		3
Free Elective		3	COS/CIT Elective		3
Total		17	Total		16

YEAR 4			YEAR 4		
SENIOR FALL			SENIOR SPRING		
COURSE NUMBER	COURSE NAME	CREDITS	COURSE NUMBER	COURSE NAME	CREDITS
COS 303	Human Perspective on Computer	3	COS 410	Database Management Systems	3
COS 332	Management of Info Security	3	COS 435	Adv Topics in Cyber Security	3
COS 470	Networking & Telecommunication	3	COS 484	Intro to Network Security	3
COS 495	Interactive Gaming Project	3	COS/CIT Elective		3
			Free Elective		3
Total		12	Total		15

Total Hours	120
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