

MAJOR Computer Science

Computer Information Systems 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 Comp II	3
MAT 115	College Algebra	3	MAT 125	Linear Algebra & Differential Calculus	3
Natural Science		3	Arts and Humanities		3
Total		16	Total		16

YEAR 2			YEAR 2		
SOPHOMORE FALL			SOPHOMORE SPRING		
COURSE NUMBER	COURSE NAME	CREDITS	COURSE NUMBER	COURSE NAME	CREDITS
ACC 201	Principles of Accounting I	3	BUA 320	Business Statistics	3
COS 109	Principles of Computer Science II	4	COS 200	Computer Information Systems	3
ENG 216	Technical Writing	3	COS 281	Intro to Information Security & Assurance	3
SPE 103	Interpersonal Communication	3	COS 340	Data Structures	3
Arts and Humanities		3	Arts and Humanities		3
Total		16	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 364	Data Storage and Data Mining	3
COS 301	Computer Organization	4	COS 410	Database Management Systems	3
COS 310	Discrete Computing Structures	3	ECO 321	Quantitative Methods	3
Social/Behavioral		3	Social/Behavioral		3
Total		17	Total		15

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	COS464/CIT370/MIS300	Mgmt of Computer Info Systems	3
COS 470	Networking & Telecommunication	3	COS 300/400 Elective		3
COS 490/495	Seminar/Interact. Gaming Project	3	COS/CIT 100/200 Elec.		3
COS Elective		3	Free Elective		1
Free Elective		3			
Total		15	Total		10

Total Hours	120
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