Professional Option

	C 1	
Freshman Year	Credits	S
CSCI 127 - Joy and Beauty of Data	Fall 4	Spring
M 171Q - Calculus I	4	
WRIT 101W - College Writing I	3	
University Core and Electives	3	
CSCI 132 - Basic Data Structures and Algorithms	5	4
M 172 - Calculus II		4
University Seminar Core		3
University Core and Electives		4
Year Total:	14	15
Sophomore Year	Credits	1)
	Fall	Spring
CSCI 215CS - Social & Ethical Issues in Computer Science	3	opring
CSCI 246 - Discrete Structures	3	
WRIT 221 - Intermediate Tech Writing	3	
Science Elective	3	
	4	
University Core	5	3
CSCI 112 - Programming with C I CSCI 232 - Data Structures and Algorithms		3
Math, Statistics, or Probability Elective		3
Science Elective		3
University Core		3
Year Total:	16	16
Junior Year	Credits	10
Junior Icui	Fall	Spring
ESOF 322 - Software Engineering	3	oping
CSCI 366 - Computer Systems	3	
Upper Division Elective Choices From Below	3	
CS or Related Electives	6	
CSCI 305 - Concepts/Programming Languages		3
CSCI 338 - Computer Science Theory		3
Upper Division Elective Choices From Below		
		6
CS or Related Electives		6
* *	15	
CS or Related Electives	15 Credits	3
CS or Related Electives Year Total:		3
CS or Related Electives Year Total:	Credits	3 15
CS or Related Electives Year Total: Senior Year	Credits Fall	3 15
CS or Related Electives Year Total: Senior Year Upper Division Elective Choices From Below	Credits Fall	3 15
CS or Related Electives Year Total: Senior Year Upper Division Elective Choices From Below CS or Related Electives	Credits Fall 6 3	3 15
CS or Related Electives Year Total: Senior Year Upper Division Elective Choices From Below CS or Related Electives Math, Statistics, or Probability Elective	Credits Fall 6 3 3	3 15
CS or Related Electives Year Total: Senior Year Upper Division Elective Choices From Below CS or Related Electives Math, Statistics, or Probability Elective Free Electives	Credits Fall 6 3 3	3 15 Spring
CS or Related Electives Year Total: Senior Year Upper Division Elective Choices From Below CS or Related Electives Math, Statistics, or Probability Elective Free Electives CSCI 468 - Compilers	Credits Fall 6 3 3	3 15 Spring 4
CS or Related Electives Year Total: Senior Year Upper Division Elective Choices From Below CS or Related Electives Math, Statistics, or Probability Elective Free Electives CSCI 468 - Compilers CSCI 476 - Computer Security	Credits Fall 6 3 3	3 15 Spring 4 3
CS or Related Electives Year Total: Senior Year Upper Division Elective Choices From Below CS or Related Electives Math, Statistics, or Probability Elective Free Electives CSCI 468 - Compilers CSCI 476 - Computer Security CSCI 481 - Program Assessment	Credits Fall 6 3 3	3 15 Spring 4 3 0
CS or Related Electives Year Total: Senior Year Upper Division Elective Choices From Below CS or Related Electives Math, Statistics, or Probability Elective Free Electives CSCI 468 - Compilers CSCI 476 - Computer Security CSCI 481 - Program Assessment Upper Division Elective Choices From Below	Credits Fall 6 3 3	3 15 Spring 4 3 0 4

A minimum of 120 credits is required for graduation; 42 of these credits must be in courses numbered 300 and above.

Upper Division E	lective Choices	
CSCI 331	Web Development	3
CSCI 347	Data Mining	3
CSCI 351	Systems Administration	3
CSCI 432	Advanced Algorithm Topics	3
CSCI 440	Database Systems	3
CSCI 441	Computer Graphics	3
CSCI 442	Comp Vision: Robot Vision	3
CSCI 443	User Interface Design	3
CSCI 445	Human Computer Interaction	3
CSCI 446	Artificial Intelligence	3
CSCI 447	Machine Learning	3
CSCI 451	Computational Biology	3
CSCI 455	Embedded Systems: Robotics	3
CSCI 460	Operating Systems	3
CSCI 466	Networks	3
CSCI 495	Field Work/Practicum	1
EGEN 310R	Multidisciplinary Engineering Design	3
EIND 422	Introduction to Simulation	3
ESOF 422	Advanced Software Engineering: Cybersecurity Practices	3
ESOF 423	Software Engineering Applications	3

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