Bachelor of Science - Computer Science - 120 Credits

		Fall Semester				Spring Semester	
Freshman	CS 100	Roadmap to Computing	3	CS 113	Introduction to Computer Science I		3
	HUM 101	English Composition: Writing, Speaking, Thinking l	3	HUM 102	English Composition: Writing, Speaking, Thinking ll		3
	MATH 111	Calculus l	4	MATH 112	Calculus II		4
	PHYS 111	Physics l	3	PHYS 121	Physics ll		3
	PHYS 111A	Physics l Lab	1	PHYS 121A	Physics ll Lab		1
	FRSH SEM	Freshman Seminar	0				
	Credits:		14	Credits:			14
Sophomore	CS 114	Introduction to Computer Science ll	3	CS 241	Foundations of Computer Science I		3
	CS/IS/IT Elective 1	200/300/400-level IS/IT or 300/400-level CS	3	CS 280	Programming Language Concepts		3
	Lower Humanities GER	Any 200-level course from COM, ENG, HIST, HUM, LIT, PHIL, STS, or THTR	3	ENG 340 or ENG 352	Oral Presentations or Technical Writing		3
	MATH 333	Probability & Statistics	3	IS 350	Computers, Society and Ethics		3
	Science Elective	PHYS/CHEM/BIOL or Rutgers	3	YWCC 207	Computing & Effective Communication		1
				General Elective 1			3
	Credits:		15	Credits:			16
Junior	CS 288	Intensive Programming in Linux	3	CS 331	Database System Design and Management		3
	CS 301	Introduction to Data Science	3	CS 341	Foundations of Computer Science II		3
	CS 332	Principles of Operating Systems	3	CS 350	Introduction to Computer Systems		3
	CS 356	Introduction to Computer Networks	3	CS 351	Introduction to Cybersecurity		3
	Social Science / Management GER	ENTR 410, HRM 301, IE 492, MGMT 390, or any 200-level course from ECON/EPS/STS	3	CS Elective 1	300/400-level (except CS 310/410)		3
				YWCC 307	Professional Development in Computing		1
	Credits:		15	Credits:			16
Senior	CS 435	Advanced Data Structures & Algorithm Design	3	CS 491	Computer Science Project		3
	CS 490	Guided Design in Software Engineering	3	CS Elective 3	300/400-level (except CS 310/410)		3
	CS Elective 2	300/400-level (except CS 310/410)	3	CS/IS/IT Elective 2	200/300/400-level IS/IT or 300/400-level CS		3
	Upper Humanities GER	Any 300-level course from COM, ENG, HIST, HUM, LIT, PHIL, STS, or THTR	3	Humanities Capstone	HSS 400-level		3
	Math / Science Elective	MATH 211, 213, 222, or 300/400-level (except MATH 305) or PHYS/CHEM/BIOL or Rutgers	3	General Elective 2			3
	Credits:		15	Credits:			15