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
	ENGL 101	English Comp: Intro to Academic Writing	3	ENGL 102	English Comp: Intro to Writing for Research	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	COM 312 or COM 313	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	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