Bachelor of Science - Web & Information Systems - 120 Credits

		Fall Semester			Spring Semester	
Freshman	CS 100	Roadmap to Computing	3	CS 113	Introduction to Computer Science	3
	ENGL 101	English Comp: Intro to Academic Writing	3	ENGL 102	English Comp: Intro to Writing for Research	3
	IS 117	Introduction to Website Development	3	IS 247	Designing the User Experience	3
	MATH 101 or MATH 138 or MATH 111	Foundations of Mathemathics for the Liberal Arts or General Calculus I or Calculus I	3	IS 265	Intro to Information Systems	3
	Science l	PHYS/CHEM/BIOL or Rutgers	3	Science ll		3
	FRSH SEM	Freshman Seminar	0	Science II Lab		1
	Credits:		15	Credits:		16
Sophomore	CS 114 or IT 114	Introduction to Computer Science II or Advanced Programming for Information Technology	3	Lower Humanities GER	Any 200-level course from COM, ENG, HIST, HUM, LIT, PHIL, STS, or THTR	3
	IS 218	Building Web Applications	3	IS 219	Advanced Website Development	3
	IS 350	Computers, Society and Ethics	3	IS 344	Computing Applications in Business	3
	MATH 105	Elementary Probability and Statistics	3	IS 375	Discovering User Needs for UX	3
	General Elective 1		3	YWCC 207	Computing & Effective Communication	1
				General Elective 2		3
	Credits:		15	Credits:		16
Junior	IS 331	Database Design Management and Applications	3	COM 312 or COM 313	Oral Presentations or Technical Writing	3
	IS 333	Social Network Analysis (Fall Only)	3	IS 322	Mobile Applications: Design Interface, Implementation	3
	IS 390	Requirements Analysis and Systems Design	3	IS 373	Content Management Systems (Spring Only)	3
	IS 448	Usability and Measuring the User Experience (Fall Only)	3	IS 392	Web Mining & Information Retrieval (Spring Only)	3
	Upper Humanities GER	Any 300-level course from COM, ENG, HIST, HUM, LIT, PHIL, STS, or THTR	3	YWCC 307	Professional Development in Computing	1
				General Elective 3		3
	Credits:		15	Credits:		16
Senior	ENTR 410 or IE 492	New Venture Management or Engineering Management	3	IS 465	Advanced Information Systems	3
	Humanities Capstone	HSS 400-level	3	IS 491 or IT 491	Senior Project or IT Capstone Project	3
	IS 421	Advanced Web Applications (Fall Only)	3	General Elective 5		3
	IT 310	E-Commerce Technology	3	General Elective 6		3
	General Elective 4		3			
	Credits:		15	Credits:		12