

Bachelor of Science - Computer Science - 130 Credits

		Fall Semester		Spring Semester		
Freshman	CS 100	Roadmap to Computing	3	CS 113	Introduction to Computer Science	3
	CS 107	Computing as a Career	1	Math 112	Calculus II	4
	Math 111	Calculus I	4	HUM 102	English Composition: Writing, Speaking, Thinking II	3
	HUM 101	English Composition: Writing, Speaking, Thinking I	3	PHYS 121	Physics II	3
	PHYS 111	Physics I	3	PHYS 121A	Physics II Lab	1
	PHYS 111A	Physics I Lab	1	Social Science I		3
	<i>Credits:</i>		15	<i>Credits:</i>		17
Sophomore	CS 114	Introduction to Computer Science II	3	CS 207	Computing & Effective Communication	1
	CS 252	Computer Organization & Architecture	3	CS 241	Foundations of Computer Science I	3
	Math 333	Introduction to Probability Theory/Probability & Statistics	3	CS 280	Programming Language Concepts	3
	Science I		3	CS 332	Principles of Operating Systems	3
	Science I Lab		1	ENG 340/352	Oral Presentations/Technical Writing	3
	HUM 211/212/HIST 213	The Pre-Modern World/The Modern World/The Twentieth-Century World	3	Lower General Elective 1		3
	<i>Credits:</i>		16	<i>Credits:</i>		16
Junior	CS 288	Intensive Programming Practicum	3	CS 356	Introduction to Computer Networks	3
	CS 341	Foundations of Computer Science II	3	CS 407	Professional Development in Computing	1
	CS 431	Database System Design & Management	3	Upper LIT/PHIL/HIST/STS		3
	IS 350	Computers, Society & Ethics	3	Math Elective I		3
	Interdisciplinary Elective 1		3	Interdisciplinary Elective 2		3
	Social Science II		3	Lower General Elective 2		3
	<i>Credits:</i>		18	<i>Credits:</i>		16
Senior	CS 435	Advanced Data Structures & Algorithms	3	CS/IT 491	Senior Project	3
	CS 490	Guided Design in Software Engineering	3	CS Elective		3
	Humanities Senior Seminar		3	CS/IS/IT Elective		3
	Math Elective II		3	Interdisciplinary Elective 3		3
	MGMT 390/IE 492	Principles of Management/Engineering Management	3	Upper General Elective		3
	Physical Education I		1	Physical Education II		1
	<i>Credits:</i>		16	<i>Credits:</i>		16