

Computer Science BS -- Honors thesis curriculum (Fall 2014 start, no co-op, begin with CS 115)

(CS enrichment indicated in *red italics*)

FALL		SPRING		SUMMER	
TERM 1		TERM 2			
MA 121 followed by MA 122	Differential Calculus Integral Calculus	MA 123 followed by MA 124	Series, Vectors, Functions, and Surfaces Calculus of Two Variables		
CS 115	Intro to Computer Science	CS 284	Data Structures		
	Science I		Science II		
			Science Lab		
CS 146	Intro Web Programming & Project Development	CS 135	Discrete Structures		
CAL 103/105	Humanities	CAL 105/103	Humanities		
PE 200	Phys. Ed. I	PE 200	Phys. Ed. II		
TERM 3		TERM 4			
BT 353	Project Management	CS 496	Principles of Programming Languages		
CS 385	Algorithms	<i>CS 370</i>	<i>Creative Problem Solving and Team Programming</i>		
CS 334	Automata & Computation	CS 347	Software Development Process		
CS 383	Computer Organization & Programming	MA 222	Probability & Statistics		
HUM	Humanities 200 level	CS 392	Systems Programming		
PE 200	Phys. Ed. III	PE 200	Phys. Ed. IV		
				<i>Arranged internship following sophomore year</i>	
TERM 5		TERM 6			
CS 442	Database Mgmt. Systems	CS 492	Operating Systems		
CS 443	Database Practicum	CS 522 or CS 546 or CS 548	Mobile Systems & App or Web Programming or Enterprise Software Architecture & Design		
<i>CS 497</i>	<i>Independent Study</i>	<i>CS 497</i>	<i>Independent Study</i>		
MA 331	Intermediate Statistics		Science/Math elective		
CS 511	Concurrent Programming	CS	Technical elective		

TERM 7		TERM 8			
CS 423	Senior Design I	CS 424	Senior Design II		
CS 306	Intro to IT Security	CS	Technical elective		
<i>CS 498</i>	<i>Senior thesis</i>	<i>CS 499</i>	<i>Senior thesis</i>		
	Science/Math elective		Free elective		
CS 485	Societal Impact of Information Technologies (1 credit)				
HUM	Humanities 300 level	HSS 371 or HPL 455	Computers & Society or Ethical Issues in Science and Technology		