Computer Science BS Degree
For "Undecided Engineering" students who switch to CS following the freshman year, start with CS 115, and take co-op schedule A

(Notes about how to map Engineering curriculum to CS curriculum indicated in *red italics*)

FALL TERM 1		SPRING TERM 2		SUMMER	
MA 121 followed by	Differential Calculus	MA 123 followed by	Series, Vectors, Functions, and Surfaces		
MA 122	Integral Calculus	MA 124	Calculus of Two Variables		
E 101	Engineering Experiences (Together with Spring E 122 counts as one Free elective)	MGT 103	Intro to Entrepreneurship (Extra course)		
E 121 + E 120	Engineering Design I Engineering Graphics (Together count as one Free elective)	E 122	Engineering Design II (Together with Fall E 101 counts as one Free elective)		
E 115	Intro. to Programming (Does not count; extra course)				
CH 115	Chemistry I (Counts as Science I)	PEP 111	Mechanics (Counts as Math/Science elective)		
CH 117	Chemistry Lab (Counts as Science Lab)	Science	(Counts as Science II only if CH 116 or CH 281 is taken; a different course will count as Math/Science elective)		
CAL 103/105	Humanities	CAL 105/103	Humanities		
PE 200	Phys. Ed. I	PE 200	Phys. Ed. II		
TERM 3		TERM 4			
CS 115	Intro to Computer Science	CS 284	Data Structures	CS 385 or CS 590	Algorithms (CS 385 offered on campus; equivalent course CS 590 offered via WebCampus)
CS 135	Discrete Structures	CS 383 or CS 550	Computer Organization & Programming	MA 222	Probability & Statistics
CS 146	Intro. to Web Programming and Project Development	HUM	Humanities	HUM	Humanities elective
BT 353	Project Management	HUM	Humanities 300 level		Free elective
HUM	Humanities 200 level		(If CH 116 or CH 281 was taken in Term 2, this course should be a Math/Science elective. If a different science course was taken in		Science/Math elective

			Term 2, this course should be CH 116 or CH 281.)	
PE 200	Phys. Ed. III	PE 200	Phys. Ed. IV	
Co-op		TERM 5		Co-op
		CS 392	Systems Programming	
		CS 347	Software Development Process	
			Math/Science elective	
		CS 522 or CS 546 or CS 548	Mobile Systems & App or Web Programming or Enterprise Software Architecture & Design	
		CS	Tech elective	
TERM 6		Co-op		Co-op
CS 334	Automata & Computation			
CS 442	Database Mgmt Systems			
CS 443	Database Practicum			
MA 331	Intermediate Statistics			
HUM	Humanities			
	TEDM 7		TERM 8	
TERM 7 CS 423 Senior Design I				
	Senior Design I	CS 424 CS 492	Senior Design II	
CS 306 CS 511	Intro to IT Security	CS 492 CS 496	Operating Systems Principles of Programming	
CS 311	Concurrent Programming	CS 490	Principles of Programming Languages	
CS	Software development elective	CS	Technical elective	
CS 485	Societal Impact of Information Technologies (1 credit)	HSS 371 or HPL 455	Computers & Society or Ethical Issues in Science and Technology	