Computer Science BS Degree
For "Undecided Engineering" students who switch to CS following the freshman year, start with CS 105, 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)			CS 105	Intro to Scientific Programming (offered via WebCampus)
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		Science/Math 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		

			Term 2, this course should be CH 116 or CH 281.)	
PE 200	Phys. Ed. III	PE 200	Phys. Ed. IV	
Со-ор		TERM 5		Co-op
		CS 392	Systems Programming	
		CS 347	Software Development Process	
		CS 496	Principles of Programming Languages	
		CS 522 or CS 546 or CS 548	Mobile Systems & App or Web Programming or Enterprise Software Architecture & Design	
		CS	Tech elective	
TERM 6		Со-ор		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		CS 424 Senior Design II		
CS 306	Intro to IT Security	CS 492	Operating Systems	
CS 511	Concurrent Programming	22 172	Science/Math elective	
CS 485	Societal Impact of Information Technologies (1 credit)	CS	Technical elective	
CS	Software development elective	HSS 371 or HPL 455	Computers & Society or Ethical Issues in Science and Technology	