Computer Science BS Degree
For "Undecided Engineering" students who switch to CS following the freshman year, start with CS 105, and do not take co-op

(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 Computing (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		
CS 146	Intro. to Web Programming and Project Development	CS 347	Software Development Process (prereq waived)		
BT 353	Project Management	MA 222	Probability & Statistics		
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	
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	
CS 334	Automata & Computation	CS 496	Principles of Programming Languages	
MA 331	Intermediate Statistics		Software Development Elective	
CS 392	Systems Programming	HUM	Humanities	
TERM 7		TERM 8		
CS 423	Senior Design I	CS 424	Senior Design II	
CS 306	Intro to IT Security		Technical elective	
CS 511	Concurrent Programming		Technical elective	
HSS 371 or HPL 455	Computers & Society or Ethical Issues in Science and Technology	HUM	Humanities 300 level	
HUM	Humanities	HUM	Humanities	
CS 485	Societal Impact of Information Technologies (1 credit)			