Computer Science Bachelor of Science Program
Catalog year 2016-2017

FRESHMAN YEAR

First Semester	Credits	Second Semester	Credits
Lab Science[1]	4	Lab Science[1]	4
MATH 1131Q – Calculus I	4	Math 1132Q – Calculus II	4
CSE 1010 – Intro Computing for Engineers	3	CSE 1729 – Intro to Principles of Programming	3
ENGR 1000 – Orientation to Engineering	1	ENGL 1010 or 1011 – Seminar in Writing	4
Area 2 (Social Sciences)	3		
	15		15

SOPHOMORE YEAR

First Semester	Credits	Second Semester	Credits
Lab Science[1]	4	CSE 2304 – Computer Architecture	3
CSE 2500 – Intro to Discrete Systems	3	CSE 3500 – Algorithms and Complexity	3
CSE 2050 – Data Structures and Object-oriented Design	3	CSE 3100 – Systems Programming	3
MATH 2110Q – Multivariable Calculus or	4 or 3	Area 2 (Social Science)	3
MATH 2410Q – Elem. Differential Equations		PHIL 1104 (Area 1) – Phil. and Soc Ethics	3
Area 1 (Arts and Humanities)	3		15
	17 or 16		

JUNIOR YEAR

First Semester	Credits	Second Semester	Credits
CSE xxxx - Concentration course 1	3	CSE xxxx - Concentration course 2	3
CSE Elective	3	Area 4 Course (Diversity and Multiculturalism)	3
STAT 3025Q-Stat. Methods	3	CSE 3000 -Contemporary Issues in CSE	1
MATH 2210Q-Linear Algebra	3	CSE Elective[2]	3
Elective	3	Elective	3
	15	Elective	3
			16

SENIOR YEAR

First Semester	Credits	Second Semester	Credits
CSE 4939W – CSE Design Project I	3	CSE 4940 – CSE Design Project II	3
CSE xxxx - Concentration course 3	3	CSE xxxx - Concentration course 4	3
Area 4 (Diversity and Multiculturalism)	3	Elective	3
Elective	3	Elective[3]	3 to 4
Elective	3		
	15		12 to 13

Additionally the program must include one W course other than CSE 4939W, which may be used to satisfy other requirements or Free Electives.

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[1] A two-course sequence must be selected from one of the following sequences. CHEM 1127Q, 1128Q; CHEM 1147Q,1148Q; CHEM 1137Q, 1138Q; PHYS 1401Q, 1402Q; PHYS 1601Q, 1602Q; PHYS 1501Q, 1502Q. An additional course must be selected from the department not selected for the sequence or from BIOL 1107, BIOL 1108, BIOL 1110, or GEOL 1050.

[2] If needed to get 15 CSE credits in concentration and CSE electives.

[3] Sufficient to make 120 credits, with at least 43 credits in CSE courses.

Revised 5/23/2013