

BS in Software Engineering 4-Year Sample Plan (120 Units) - Fall 2016

YEAR 1			
Semester 1	Unit	Semester 2	Unit
CS 46A, Introduction to Programming	4	CS 46B, Introduction to Data Structures	4
Engr 10, Introduction to Engineering	3	Math 42, Discrete Math	3
Math 30, Calculus I	3	Physics 50, Mechanics	4
Communications (GE Area A1)	3	English 1B, Composition II (GE Area C2)	3
English 1A, Composition (GE Area A2)	3		
Total	16	Total	14
YEAR 2			
Semester 3	Unit	Semester 4	Unit
Math 31, Calculus II	4	Phys 51, Electricity and Magnetism	4
Biol 10, The Living World	3	Math 32, Calculus III	3
CmpE 131, Software Engineering I	3	CS 146, Data Structures and Algorithms	3
American Studies 1A (GE Areas C1, D2)	6	American Studies 1B (GE Areas C2, D3)	6
Total	16	Total	16
YEAR 3			
Semester 5	Unit	Semester 6	Unit
CmpE 120, Computer Org and Architecture	3	Math 123 Differential Equations & Linear Algebra	3
CmpE 133, Software Engineering II	3	CmpE 148, Computer Networks I	3
CS 151, Object-Oriented Design	3	CS 149, Operating Systems	3
CS 157A, Introduction to Database	3	CmpE 102, Assembly Language Programming	3
Math 161A/ISE 130, Applied Statistics I	3	Engr 100W, Engineering Report (GE Areas R, Z)	3
Total	15	Total	15
YEAR 4			
Semester 7	Unit	Semester 8	Unit
CmpE 172, Enterprise Software Overview	3	ISE 164, Computer and Human Interaction	3
CS 166, Information Security	3	Technical Elective	3
Cmpe 187, Software Quality Testing	3	Technical Elective	3
CmpE 165, Software Engr. Process Management	3	SE 195B, Senior Design Project II	3
SE 195A, Senior Design Project I	2	Engr 195B (GE Areas S, V)	1
Engr 195A (GE Areas S, V)	1		
Total	15	Total	13
Overall	120		