

BS in Software Engineering 5-Year Sample Plan (120 Units) - Fall 2016

YEAR 1			
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Semester 1	Unit	Semester 2	Unit
Engr 10, Introduction to Engineering	3	CS 46A, Introduction to Programming	4
Math 30, Calculus I	3	Math 42, Discrete Math	3
Communications (GE Area A1)	3	Biol 10, The Living World	3
English 1A, Composition (GE Area A2)	3	English 1B, Composition II (GE Area C2)	3
Total	12	Total	13

YEAR 2			
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Semester 3	Unit	Semester 4	Unit
Math 31, Calculus II	4	Math 32, Calculus III	3
CS 46B, Introduction to Data Structures	4	Physics 50, Mechanics	4
American Studies 1A (GE Areas C1, D2)	6	American Studies 1B (GE Areas C2, D3)	6
Total	14	Total	13

YEAR 3			
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Semester 5	Unit	Semester 6	Unit
CmpE 120, Computer Org and Architecture	3	CmpE 133, Software Engineering II	3
CmpE 131, Software Engineering I	3	CS 151, Object-Oriented Design	3
CS 146, Data Structures and Algorithms	3	Math 123 Differential Equations & Linear Algebra	3
Phys 51, Electricity and Magnetism	4	Engr 100W, Engineering Report (GE Areas R, Z)	3
Total	13	Total	12

YEAR 4			
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Semester 7	Unit	Semester 8	Unit
CmpE 102, Assembly Language Programming	3	CmpE 165, Software Engr. Process Management	3
CS 157A, Introduction to Database	3	CmpE 148, Computer Networks I	3
CS 166, Information Security	3	CS 149, Operating Systems	3
Math 161A/ISE 130, Applied Statistics I	3	Cmpe 187, Software Quality Testing	3
Total	12	Total	12

YEAR 5			
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Semester 9	Unit	Semester 10	Unit
CmpE 172, Enterprise Software Overview	3	Technical Elective	3
ISE 164, Computer and Human Interaction	3	Technical Elective	3
SE 195A, Senior Design Project I	2	SE 195B, Senior Design Project II	3
Engr 195A (GE Areas S, V)	1	Engr 195B (GE Areas S, V)	1
Total	9	Total	10
Overall	120		