



Bachelor of Science in Software Engineering

Degree Plan based on the 2004-2006 College Catalog

College Level	Semester	CORE Course ID#	Title of the Course	Credits	P - prerequisites C - corequisites	College Level	Semester	CORE Course ID#	Title of the Course	Credits	P - prerequisites C - corequisites	
FRESHMAN	First (FALL)	EN100	Composition and Critical Thinking	3	none	JUNIOR	Fifth (FALL)	EN320	Technical Communication	3	P-EN210	
		MA133	Calculus I	4	P-MA116			HU/SS300	General Studies Project	3	P-EN210, Junior Standing	
		SE110	C programming	4	P-High school algebra			SE310	Data Structures and Algorithms	4	P-SE110, P- or C-MA377	
		Elective						SE351	Computer Architecture	3	P-SE349, EE350	
	Sub - Total credits				11			Sub - Total credits				13
	Second (SPRING)	EN210	Cultural Diversity in Literature	3	P-EN100		Sixth (SPRING)	SE315	Object Oriented Programming	4	P-SE310	
		MA134	Calculus II	4	P-MA133			SE320	Operating Systems Concepts	3	P-SE220, SE310	
		SC145	College Physics I	4	P-MA133			SE330	Compiler Design	4	P-SE220, SE310	
		SE212	Java Programming	4	P-SE110			SE340	Software Eng. Methods & Proj	3	P-SE310	
	Sub - Total credits				15			Sub - Total credits				14
SOPHOMORE	Third (FALL)	MA235	Calculus III	4	P-MA134	Seventh (FALL)	SE341	Object Oriented Analysis & Des	4	P-SE315		
		SC155	College Physics II	4	P-SC145		SE420	UNIX Internals	4	P-SE220, SE320		
		SE220	UNIX Programming Environment	4	P-SE110		SE495A	Senior Project I	1	P-Senior Standing		
		SS123	World Cultures	3	P-EN100		IM401	Innovation Management I	1.5	P-Senior Standing		
	Sub - Total credits				15		Sub - Total credits				10.5	
	Fourth (SPRING)	EE350	Digital Circuits and Systems	4	P-SC155	Eighth (SPRING)	SE442	Advanced Object Oriented Des	4	P-SE341		
		HU170/SS100	U.S.History or U.S.Government	3	P-EN100		SE495B	Senior Project II	3	P-SE495A		
		MA377	Software Engineering Math	3	P-MA133		IM402	Innovation Management II	1.5	P-IM401		
		SE349	Computer Organization and ...	4	P-SE110, MA133							
	Sub - Total credits				14		Sub - Total credits				8.5	

ELECTIVE Requirements in addition to the requirements listed above - Total of 29 credits

Two EE/SE Upper Division courses - 8 credits
 One MA Upper Division course (MA478 recommended) - 3 credits

Two EN/HU/SS courses - 6 credits
 Two HU courses - 6 credits
 One SS course - 3 credits

TOTAL CREDITS for Bachelor of Science in Software Engineering Degree 130