



Bachelor of Science in Electrical 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			EE312	Signals and Systems	3	P-EE270, MA235	
		SE110	C programming	4	P-High school algebra			EE320	Electronic Devices and Circ. I	4	P-EE270	
					EE366			Sequential Logic Design	4	P-EE350		
	Sub - Total credits				11			Sub - Total credits				14
	Second (SPRING)	EN210	Cultural Diversity in Literature	3	P-EN100		Sixth (SPRING)	EE313	Advanced EE Mathematics	3	P-EE312	
MA134		Calculus II	4	P-MA133	EE321	Electronic Devices and Circ. II		4	P-EE320			
SC145		College Physics I	4	P-MA133	EE370	Computer Architecture		4	P-EE366			
					HU/SS300	General Studies Project		3	P-EN210, Junior Standing			
Sub - Total credits				11		Sub - Total credits				14		
SOPHOMORE	Third (FALL)	SS123	World Cultures	3	P-EN100	SENIOR	Seventh (FALL)	EE385	Fields and Waves	3	P-EE313	
		MA235	Calculus III	4	P-MA134			EE410	Control Systems	4	P-EE321, EE350	
		SC155	College Physics II	4	P-SC145			EE420	Communication Systems	3	P-EE313, EE321	
					IM401			Innovation Management I	1.5	P-Senior Standing		
	Sub - Total credits				11			Sub - Total credits				11.5
	Fourth (SPRING)	HU170/SS100	U.S.History or U.S.Government	3	P-EN100		Eighth (SPRING)	EE495	Senior Project	3	P-Senior Standing	
EE270		Intro to Circuit Analysis	4	P-MA134, SC155	IM402	Innovation Management II		1.5	P-IM401			
EE350		Digital Circuits and Systems	4	P-SC155								
Sub - Total credits				11		Sub - Total credits				4.5		

ELECTIVE Requirements in addition to the requirements listed above - Total of 40 credits

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| Upper Division Technical courses - 12 credits | Two EN/HU/SS courses - 6 credits |
| One MA Upper Division course (MA478 recommended) - 3 credits | Two HU courses - 6 credits |
| Two SC courses (one in Upper Division) - 7 credits | One SS course - 3 credits |

TOTAL CREDITS for Bachelor of Science in Electrical Engineering Degree 128