

# Electrical Engineering Bachelor of Science Degree Curriculum year 2010-2011

## FRESHMAN YEAR

Fall semester	Cr	Term completed	Spring semester	Cr	Term completed
ENGR 1020 Intro Engr	2		CH 1020 & 1021 Gen Chemistry II	4	
CH 1010 & 1011 Gen Chemistry I	4		ENGR 1410 & 1411 Problm solvng	3	
ENGL 1030 Comp I	3		MATH 1080 Calc II	4	
MATH 1060 Calc I	4		PHYS 1220 Phys I	3	
Hum/Soc Sci req	3		Hum/Soc Sci req	3	
	16			17	

## SOPHOMORE YEAR

Fall semester	Cr	Term completed	Spring semester	Cr	Term completed
CPSC 1110 & 1111 C/C++	3		ECE 2120 Circuits Lab II	1	
ECE 2010 Logic	2		ECE 2620 Circuits II	3	
ECE 2020 Circuits I	3		ECE 2720 Comp Org	3	
ECE 2090 Logic Lab	1		ECE 2730 Comp Org Lab	1	
ECE 2110 Circuits Lab I	1		MATH 2080 Diff Eq	4	
MATH 2060 Calc III	4		Hum/Soc Sci req OR EE Tech Elec	3	
PHYS 2210 Physics II	3		[ECE 2220 Sys Progrmng]		
	17			15	

## JUNIOR YEAR

Fall semester	Cr	Term completed	Spring semester	Cr	Term completed
ECE 3110 Lab III	1		ECE 3120 Lab IV	1	
ECE 3200 Electronics I	3		ECE 3170 Random Signal	3	
ECE 3300 Signals/Sys	3		ECE 3210 Electronics II	3	
ECE 3710 Micro Inter	3		ECE 3600 Power Engineering	3	
ECE 3720 Micro Inter Lab	1		ECE 3810 Fields, Waves	3	
ECE 3800 Electromagnetics	3		ENGL 3140 Tech writing	3	
Adv. Mathematics Elective <sup>1</sup>	3				
	17			16	

## SENIOR YEAR

Fall semester	Cr	Term completed	Spring semester	Cr	Term completed
COMM 1500 & 1501 or COMM 2500 & 2501	3		ECE 4960 Systems Des II	2	
ECE 4090 Syst. Des	3		EE Tech Elec OR	3	
ECE 4270 Comm Systems	3		Hum/Soc Sci req		
ECE 4950 Systems Design I	2		EE Tech Depth Elec	3	
EE Tech Elec	3		Hum/Soc Sci req	3	
			Literature requirement	3	
	14			14	

### NOTES:

- Advanced Mathematics Elective Options: MATH 4190, MATH 4340, MATH 4350, MATH 4530, MATH 4540.
- No student may enroll in ECE courses until all pre-requisites have been passed with a grade of C or higher.
- All EE majors must have a cumulative and Engineering GPR of 2.0 to enroll in any 300- or 400-level ECE course.
- No student may exceed a maximum of two attempts, excluding a W, to successfully complete any ECE course.