

B. S. Electrical Engineering Curriculum

Department of Electrical & Computer Engineering
2009-2010 Catalog

Name: _____

UIN: _____

FRESHMAN FIRST SEMESTER

		Term	Grade	Pre-/Co-requisites
ENGN 110	Engineering & Tech I	2	_____	P-MATH 162M
CHEM 115N	Chemistry I	4	_____	C-MATH 102M
MATH 211	Calculus I	4	_____	P-MATH 163
ENGL 110C	English Comp I	3	_____	P-pass Placement test
GEN ED: Fine/Performing Arts Perspective		3	_____	

FRESHMAN SECOND SEMESTER

ENGN 111	Engineering & Tech II	2	_____	P-MATH 162M
CHEM 117	Chemistry II	3	_____	P-CHEM 115N
MATH 212	Calculus II	4	_____	P-MATH 211
CS 150	Intro to Programming	4	_____	P-MATH 102M
PHYS 231N	University Physics I	4	_____	P/C-MATH 211

SOPHOMORE FIRST SEMESTER

MATH 307(280)	Differential Equations	3	_____	P-MATH 212
ECE 200	Engr. Analysis Tools	3	_____	P-MATH 212, C-ECE 201
ECE 201	Circuit Analysis	3	_____	P/C-MATH 307, PHYS 232N, ECE 200
PHYS 232N	University Physics	4	_____	P-PHYS 231N
ECE 241	Fund. Comp. Engr.	4	_____	P-CS 150, MATH 211

SOPHOMORE SECOND SEMESTER

ECE 202	Circ., Signals & Lin. Syst.	3	_____	P-ECE 201, MATH 307
ECE 287	Circuit Laboratory	2	_____	P-ECE 201, CS 150, C-ECE 202
Engr	Nonmajor Engr elec	3	_____	
MATH 312(285)	Calculus III	4	_____	P-MATH 212
GEN ED: History Perspective		3	_____	

JUNIOR FIRST SEMESTER

ECE 303	Electrical Power	3	_____	P-ECE 201
ECE 313	Electronic Circuits	4	_____	P-ECE 202, P/C-241
ECE 332	Micro. Materials	3	_____	P-ECE 202
ENGL 131C	Technical Writing	3	_____	P-ENGL 110C
GEN ED: Literature Perspective		3	_____	

JUNIOR SECOND SEMESTER

ECE 304	Prob. Stat. & Reliab.	3	_____	P-MATH 212
ECE 387	Microelec. Fabric. Lab	3	_____	P-ECE 332
ECE 4XX	Technical Elective 1	3	_____	
ECE 323	Electromagnetics	3	_____	P-ECE 202
GEN ED: Philosophy Perspective		3	_____	

SENIOR FIRST SEMESTER

ECE 485W	EE Design I	3	_____	P-ECE 313, P/C-ECE 304
ECE 4XX	Technical Elective 2	3	_____	
GEN ED: Social Science Perspective		3	_____	
Upper Division Gen Education		3	_____	
Upper Division Gen Education		3	_____	

SENIOR SECOND SEMESTER

ECE 486	ECE Design II	3	_____	P-ECE 485W
ECE 4XX	Technical Elective 3	3	_____	
ECE 4XX	Technical Elective 4	3	_____	
Elec	Approved Elective	3	_____	
ENGN 401	FE Exam Review	1	_____	

Cluster/Minor/2 Upper Division: _____ Upper division cluster-9 hours; Minor – minimum of 12 hours; or 2 Upper Division courses outside the college and not required by the major.

Foreign Language: _____

Advisor Approval: _____

Date: _____