

B. S. Computer Engineering Curriculum

Department of Electrical & Computer Engineering
2009-2010Catalog

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	Engn. 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
GEN ED: History Perspective		3	_____	_____	_____

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
ECE 241	Fund. Comp. Engn.	4	_____	_____	P-CS 150, MATH 211
CS 250	Prob Solving & Prog.	4	_____	_____	P-CS 150, C-CS 252
CS 252	Intro to UNIX	1	_____	_____	C-CS 250
GEN ED: Literature Perspective		3	_____	_____	_____

JUNIOR FIRST SEMESTER

ECE 313	Electronic Circuits	4	_____	_____	P-ECE 202, P/C-241
ECE 341	Digital System Design	3	_____	_____	P-ECE 241
CS 361	Adv. Data Structures	3	_____	_____	P-CS 250, CS 252
GEN ED: Philosophy Perspective		3	_____	_____	_____
ENGL 131C	Technical Writing	3	_____	_____	P-ENGL 110C

JUNIOR SECOND SEMESTER

ECE 304	Prob. Stat. & Reliab.	3	_____	_____	P-MATH 212
ECE 346	Microcontrollers	3	_____	_____	P-ECE 241
CS 350	Software Engineering	3	_____	_____	P-CS 361
ECE 3XX	Technical Elective 1	3	_____	_____	_____
Upper Division General Education		3	_____	_____	_____

SENIOR FIRST SEMESTER

ECE 489W	CMEN Design I	3	_____	_____	P/C-ECE 313, P-ECE 341, 346, C-ECE 443
ECE 443	Computer Architecture	3	_____	_____	P-ECE 341, 346, P/C-ECE 304, 489W
ECE 4XX	Technical Elective 2	3	_____	_____	_____
Upper Division General Education		3	_____	_____	_____
GEN ED: Social Science Perspective		3	_____	_____	_____

SENIOR SECOND SEMESTER

ECE 486	ECE Design II	3	_____	_____	P-ECE 313, P/C-ECE 304, 489W
CS 471	Operating Systems	3	_____	_____	P-CS 361, ECE 443
ECE 4XX	Technical Elective 3	3	_____	_____	_____
ECE 4XX	Technical Elective 4	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: _____