

B. S. Computer Engineering Curriculum

Department of Electrical & Computer Engineering
2002-2004 Catalog

Name: _____

SS#: _____

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
HUM/SS	General Ed course	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-MATH 211

**CS 147 AND CS 148 may be taken in place of CS 150

SOPHOMORE FIRST SEMESTER

MATH 307U	Differential Equations	3	_____	P-MATH 212
ECE 201	Circuit Theory I	3	_____	P/C-MATH 307U, PHYS 232N
PHYS 232N	University Physics	4	_____	P-PHYS 231N
CS 381	Intro Discrete Structure	3	_____	P-MATH 163, CS 150
HUM/SS	General Ed course	3	_____	_____

SOPHOMORE SECOND SEMESTER

ECE 202	Circuit Theory II	3	_____	P-ECE 201, MATH 307U
ECE 286	Tools in Engineering	1	_____	P-ECE 201, C-ECE 202
ECE 241	Digital Logic	3	_____	P-CS 150, C-ECE 284, P/C-PHYS 232N
ECE 284	Digital Design Lab	2	_____	C-ECE 241
CS 250	Prob Solving & Prog.	4	_____	P-CS 150, C-CS 252
CS 252	Intro to UNIX	1	_____	C-CS 250
HUM/SS	General Ed course	3	_____	_____

JUNIOR FIRST SEMESTER

ECE 313	Electronic Circuits	3	_____	P-ECE 202, P/C-241, 284, C-ECE 382
ECE 382	Electronics Laboratory	2	_____	C-ECE 313
ECE 341	Digital System Design	3	_____	P-ECE 241, ECE 284
CS 361	Adv. Data Structures	3	_____	P-CS 250, CS 252
HUM/SS	General Ed course	3	_____	_____

JUNIOR SECOND SEMESTER

ECE 304	Prob. Stat. & Reliab.	3	_____	P-MATH 212
ECE 323 OR ECE 302 OR ECE 332		3	_____	P-ECE 202
ECE 446	Microcontrollers	3	_____	P-ECE 241, ECE 284
CS 350	Software Engineering	3	_____	P-CS 361
ENGL 131C	Technical Writing	3	_____	P-ENGL 110C

SENIOR FIRST SEMESTER

ECE 488	CpE Design I	2	_____	P-ECE 313, 341, 382, 446
ECE 443	Computer Architecture	3	_____	P-ECE 341, 446, P/C-ECE 304, 488
ECE 486	EE Design II	3	_____	P-ECE 313, 382, P/C-ECE 304
Depth	Cluster or Minor	3	_____	_____
HUM/SS	General Ed course	3	_____	_____

SENIOR SECOND SEMESTER

ECE 489W	CpE Design II	3	_____	P-ECE 443, ECE 488, P/C-CS 471
CS 471	Operating Systems	3	_____	P-CS 361, ECE 443
Depth	Cluster or Minor	3	_____	_____
Depth	Cluster or Minor	3	_____	_____
Tech Elec	ECE/CS elective	3	_____	_____
ENGN 401	FE Exam Review	1	_____	_____

Cluster or Minor: _____ Upper division cluster – 9 hours Minor – minimum of 12 hours

Foreign Language: _____

Advisor Approval: _____

Date: _____