

Electrical Concentration Guideline

(Entering 2008-09)

FIRST YEAR

<u>FALL</u>		<u>SPRING</u>	
CHEM 105 Chemistry	4	MATH 112 Calculus II	4
MATH 111 Calculus I	4	PHYS 211 General Physics I	4
ENGR 102 Intro to Engineering	2	ENGR 101 Engineering Graphics	2
IDFY 101 First Year Seminar	3	ENGR 262 Circuit Analysis	4
Physical Education	1	IDCR 151 Created & Called for Community	3
General Education	3	ENGR 201 Group Orientation*	3
	17		17

SECOND YEAR

<u>FALL</u>		<u>SPRING</u>	
MATH 211 Calculus III	4	MATH 308 Differential Equations	3
MATH 261 Linear Algebra	3	ENGR 201 Group Orientation	1
PHYS 212 General Physics II	4	ENGR 242 Experimental Methods	3
ENGR 231 Engineering Statics	3	ENGR 254 Materials Engineering	4
General Education	3	COSC 181 Computer Programming I	3
	17	General Education	3
			17

THIRD YEAR

<u>FALL</u>		<u>SPRING</u>	
ENGR 288 Project I	1	ENGR 290 Engineering Economics	2
ENGR 301 Seminar I	1	ENGR 302 Seminar II	1
ENGR 340 Analog Electronics	3	ENGR 342 Microprocessor Applic.	4
ENGR 349 Digital Electronics	3	ENGR 364 Electronic Devices	4
ENGR 367 Electromagnetics	3	ENGR 365 Linear Systems	3
PHED 101 Intro. to Wellness	2	ENGR 388 Project II	1
General Education	3	General Education	3
	16		18

FOURTH YEAR

<u>FALL</u>		<u>SPRING</u>	
ENGR 366 Control Systems	4	ENGR 369 Communications Systems	3
ENGR 488 Project III	2	ENGR 489 Project IV	2
General Education	9	General Education	9
	15		14