

## Electrical Concentration Guideline

### FIRST YEAR

<u>FALL</u>		<u>SPRING</u>	
ENGR 102 Intro to Engineering	2	ENGR 236 Circuits I	4
CHEM 105 Chemistry	4	MATH 112 Calculus II	4
MATH 111 Calculus I	4	PHYS 211 General Physics I	4
IDFY 101 First Year Seminar	3	IDCR 151 Created & Called for Community	3
General Education	3	General Education	3
	<hr style="width: 50%; margin-left: auto; margin-right: 0;"/>		<hr style="width: 50%; margin-left: auto; margin-right: 0;"/>
	16		18

<sup>1</sup>ENGR 201 Group Orientation

### SECOND YEAR

<u>FALL</u>		<u>SPRING</u>	
ENGR 231 Engineering Statics	3	ENGR 101 Engineering Graphics	2
MATH 211 Calculus III	4	ENGR 201 Group Orientation	1
MATH 261 Linear Algebra	3	ENGR 336 Circuits II	3
PHYS 212 General Physics II	4	<sup>2</sup> CIS 181 Computer Programming I	3
General Education	3	MATH 308 Differential Equations	3
	<hr style="width: 50%; margin-left: auto; margin-right: 0;"/>	General Education	3
	17		<hr style="width: 50%; margin-left: auto; margin-right: 0;"/>
			15

### THIRD YEAR

<u>FALL</u>		<u>SPRING</u>	
ENGR 242 Experimental Methods	3	ENGR 290 Engineering Economics	2
ENGR 288 Project I	1	ENGR 302 Seminar II	1
ENGR 301 Seminar I	1	ENGR 364 Electronic Devices	4
ENGR 340 Analog Electronics	3	ENGR 365 Linear Systems	3
ENGR 342 Microprocessor Applications	4	ENGR 388 Project II	1
ENGR 367 Electromagnetics	3	General Education	6
PHED 101 Intro. to Wellness	2		<hr style="width: 50%; margin-left: auto; margin-right: 0;"/>
	<hr style="width: 50%; margin-left: auto; margin-right: 0;"/>		17
	17		

### FOURTH YEAR

<u>FALL</u>		<u>SPRING</u>	
ENGR 369 Communications Systems	3	<sup>2</sup> ENGR 254 Materials Engineering	4
ENGR 488 Project III	2	ENGR 366 Control Systems	4
Physical Fitness	1	ENGR 489 Project IV	2
General Education	9	General Education	6
	<hr style="width: 50%; margin-left: auto; margin-right: 0;"/>		<hr style="width: 50%; margin-left: auto; margin-right: 0;"/>
	15		16

Total Credits 131

<sup>1</sup>Requires department approval.

<sup>2</sup>Course can be taken any time after the second semester.