

## Electrical Engineering Emphasis Outline

### Fall Semester

#### Freshman

ENGR120	Intro to Engineering & Design	2
ENGR125	Engineering Graphics	3
MATH191	Calculus I	4
GEN ED	Social Science or History	3
HLED120/FT	Fit for Life/Fitness Activity	1
ENGL115	College Writing I	3
		16

### Spring Semester

ENGR180	Material Science	4
MATH192	Calculus II	4
ENGR185	Engineering Statics	3
RELT100	God & Human Life	3
COMM104	Communication Skills	3
		17

#### Sophomore

ENGR225	Circuit Analysis	3
PHYS241	Physics for Scientists I	5
MATH240	Calculus III	4
CPTR151	Computer Science I	3
FTES	Physical Fitness Activity	1
		16

ENGR285	Engineering Dynamics	3
MATH286	Differential equations	3
CPTR152	Computer Science II	3
PHYS242/27	Physics for Scientists II	5
ENGR275	Electronics I	3
		17

#### Junior

MATH215	Linear Algebra	3
ENGL215	College Writing II	3
ENGR435	Electromagnetic Fields	4
ENGR325	Electronic II	4
GEN ED	Social Sciences	3
		17

ENGR310	Linear Systems Analysis	3
STAT340	Probability and Statistics	3
ENGR3yy	Critical Thinking	3
ENGR385	Microprocessor Systems	4
ENGR390	ENGR Measurements Lab	4
		17

#### Senior

ENGR491	Review of Engineering Design	1
ENGR450	Engineering Economy	2
GEN ED	Religion (RELB,RELG,RELT)	3
GEN ED	Religion (RELB,RELG,RELT)	3
ENGR410	Feedback Control	4
		13

ENGR492	Senior Design Project	3
ENGR455	Communications Systems	4
GEN ED	Religion (RELG, RELB, RELT)	3
GEN ED	Arts/Humanities	3
ENGR485	Community Service	2
		15

Offered every other year\*

**Suggested 4-year course outline per Bulletin 2019-2020**

**Total Credits for Graduation**

**128**