

**BS DEGREE IN ELECTRICAL ENGINEERING**  
**DEPARTMENT OF ELECTRICAL ENGINEERING**  
**FOR STUDENTS STARTING AT NON-UNIVERSITY PARK LOCATIONS**  
*Red Program – 129 credits*

With careful planning you may arrange courses in many different ways. For example, the arts, humanities, and social sciences (AHS) may be moved to accommodate technical electives. But when moving courses, be careful to meet all prerequisites.

**FIRST SEMESTER**

♣ MATH 140 Calc w/Analytical Geom I	(4)___
EDSGN 100 Engineering Design	(3)___
ENGL 15/30 Rhetoric & Composition	(3)___
♣ CHEM 110 Chemical Principles	(3)___
CHEM 111 Experimental Chemistry	(1)___
1 <sup>st</sup> -year Seminar	(1)___
<b>TOTAL</b>	<b>(15)</b>

**SECOND SEMESTER**

♣ MATH 141 Calc w/Analytical Geom II	(4)___
♣ PHYS 211 Mechanics	(4)___
CMPSC 201 Programming for Engr	(3)___
ECON 2/4 Micro/Macro Economics	(3)___
AHS Elective	(3)___
<b>TOTAL</b>	<b>(17)</b>

**THIRD SEMESTER**

MATH 230 Calc & Vector Analysis	(4)___
MATH 220 Matrices	(2)___
PHYS 212 Electricity & Magnetism	(4)___
◆ CMPEN 271 Digital Systems	(3)___
CMPEN 275 Digital Design Lab	(1)___
AHS elective	(3)___
<b>TOTAL</b>	<b>(17)</b>

**FOURTH SEMESTER**

◆ EE 210 Circuits & Devices	(4)___
PHYS 213 Fluids & Thermal Physics	(2)___
PHYS 214 Waves & Quantum Physics	(2)___
MATH 250 Differential Equations	(3)___
CAS 100 A/B Effective Speech	(3)___
AHS elective	(3)___
<b>TOTAL</b>	<b>(17)</b>

**FIFTH SEMESTER**

◆ EE 310 Electronic Circuit Design	(4)___
◆ EE 350 Continuous Time Linear Sys	(4)___
◆ E SC 314 Engr. Appl. Of Materials	(3)___
AHS elective	(3)___
Health & Physical Activity (GHA)	(1.5)___
<b>TOTAL</b>	<b>(15.5)</b>

**SIXTH SEMESTER**

◆ EE 316 Embedded Controllers	(3)___
◆ EE 330 Electromagnetics	(4)___
& EE/CMPEN 300 level elective	(3)___
& EE/CMPEN 300 level elective	(3)___
& Statistics elective	(3)___
Health & Physical Activity (GHA)	(1.5)___
<b>TOTAL</b>	<b>(17.5)</b>

**SEVENTH AND EIGHTH SEMESTERS**

**The order in which you take these courses may vary. Please consult your adviser.**

& EE/CMPEN 300/400 level elective	(3)___	EE 402W/403W Senior Project Design	(3)___
& EE/CMPEN 300/400 level elective	(3)___	& EE/CMPEN 400 level elective	(3)___
ENGL 202C Technical Writing	(3)___	& EE/CMPEN 400 level elective	(3)___
Engineering/Science elective	(3)___	AHS elective	(3)___
% Related elective	(3)___	% Related elective	(3)___

**TOTAL (BOTH SEMESTERS) (30)**

♣ This course requires a grade of “C” or better for entrance into the Electrical Engineering major.

◆ This course requires a grade of “C” or better for graduation from Electrical Engineering.

The course should be repeated the next time offered if this condition is not satisfied.

% The related elective may include ROTC, co-op credits and other credits as specified by the EE Dept.

& These electives are to be chosen from a list provided by the EE Dept. (See next page)