

**BS DEGREE IN ELECTRICAL ENGINEERING  
DEPARTMENT OF ELECTRICAL ENGINEERING  
FOR STUDENTS STARTING AT UNIVERSITY PARK  
*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)___
♣ PHYS 211 Mechanics	(4)___
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>(16)</b>

**SECOND SEMESTER**

♣ MATH 141 Calc w/Analytical Geom II	(4)___
PHYS 212 Electricity & Magnetism	(4)___
EDSGN 100 Engineering Design	(3)___
CMPSC 201 Programming for Engr	(3)___
AHS elective	(3)___
<b>TOTAL</b>	<b>(17)</b>

**THIRD SEMESTER**

◆ EE 210 Circuits & Devices	(4)___
◆ CMPEN 270 Logic Desgn: Thy&Prac	(4)___
MATH 220 Matrices	(2)___
MATH 250 Ordinary Differential Eqns	(3)___
PHYS 213 Fluids & Thermal Physics	(2)___
PHYS 214 Waves & Quantum Physics	(2)___
<b>TOTAL</b>	<b>(17)</b>

**FOURTH SEMESTER**

◆ EE 310 Electronic Circuit Design	(4)___
MATH 230 Calc & Vector Analysis	(4)___
ECON 2/4 Micro/Macro Economics	(3)___
◆ E SC 314 Engr Applic. Of Materials	(3)___
CAS 100 A/B Effective Speech	(3)___
<b>TOTAL</b>	<b>(17)</b>

**FIFTH SEMESTER**

◆ EE 330 Electromagnetics	(4)___
◆ EE 350 Continuous Time Linear Sys	(4)___
◆ EE 316 Embedded Controllers	(3)___
AHS Elective	(3)___
Health & Physical Activity (GHA)	(1.5)___
<b>TOTAL</b>	<b>(15.5)</b>

**SIXTH SEMESTER**

& EE/CMPEN 300 level elective	(3)___
& EE/CMPEN 300 level elective	(3)___
& EE/CMPEN 300/400 level elective	(3)___
& Statistics elective	(3)___
AHS elective	(3)___
Health & Physical Activity (GHA)	(1.5)___
<b>TOTAL</b>	<b>(16.5)</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 400 level elective	(3)___	& EE/CMPEN 400 level elective	(3)___
ENGL 202C Technical Writing	(3)___	& Engineering/Science elective	(3)___
AHS elective	(3)___	AHS elective	(3)___
% Related elective	(3)___	% Related elective	(3)___
<b>TOTAL (BOTH SEMESTERS) (30)</b>			

♣ 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)