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)  
- 1st-year Seminar (1)  
- **TOTAL** (17)

### SECOND SEMESTER
- ♣ MATH 141 Calc w/Analytical Geom II (4)  
- PHYS 212 Electricity & Magnetism (4)  
- EDGHN 100 Engineering Design (3)  
- CMPSC 201 Programming for Engr (3)  
- AHS elective (3)  
- **TOTAL** (17)

### THIRD SEMESTER
- ♦ EE 210 Circuits & Devices (4)  
- CMP 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)  
- **TOTAL** (17)

### FOURTH SEMESTER
- ♦ EE 310 Electronic Circuit Design (4)  
- MATH 230 Calc & Vector Analysis (4)  
- ECN 2/4 Micro/Macro Economics (3)  
- ESE 314 Engr Applic. Of Materials (3)  
- CAS 100 A/B Effective Speech (3)  
- **TOTAL** (17)

### 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)  
- **TOTAL** (17)

### SIXTH SEMESTER
- & EE/CMPEN 300 level elective (3)  
- & EE/CMPEN 300 level elective (3)  
- & EE/CMPEN 300/400 level elective (3)  
- & Statistics elective (3)  
- Health & Physical Activity (GHA) (1.5)  
- **TOTAL** (16.5)

### 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)  
- & Engineering/Science elective (3)  
- AHS 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)