

**BS DEGREE IN ELECTRICAL ENGINEERING**  
**DEPARTMENT OF ELECTRICAL ENGINEERING**  
**FOR STUDENTS STARTING AT NON-UNIVERSITY PARK LOCATIONS**  
*Blue 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)\_\_\_\_
- ED&G/EDSGN 100 Engineering Design(3)\_\_\_\_
- ENGL 15/30 Rhetoric & Composition (3)\_\_\_\_
- ♣ CHEM 12/110 Chemical Principles (3)\_\_\_\_
- CHEM 14/111 Experimental Chemistry (1)\_\_\_\_
- 1<sup>st</sup>-year Seminar (1)\_\_\_\_
- TOTAL (15)**

**SECOND SEMESTER**

- ♣ MATH 141 Calc w/Analytical Geom II (4)\_\_\_\_
- ♣ PHYS 211 Mechanics (4)\_\_\_\_
- CMPS 201 Programming for Engr (3)\_\_\_\_
- ECON 2/4 Micro/Macro Economics (3)\_\_\_\_
- AHS Elective (3)\_\_\_\_
- TOTAL (17)**

**THIRD SEMESTER**

- MATH 230 Calc & Vector Analysis (4)\_\_\_\_
- MATH 220 Matrices (2)\_\_\_\_
- PHYS 212 Electricity & Magnetism (4)\_\_\_\_
- ◆ CSE 271 Digital Systems (3)\_\_\_\_
- CSE 275 Digital Design Lab (1)\_\_\_\_
- CAS 100 A/B Effective Speech (3)\_\_\_\_
- TOTAL (17)**

**FOURTH SEMESTER**

- MATH 250 Differential Equations (3)\_\_\_\_
- PHYS 213 Fluids & Thermal Physics (2)\_\_\_\_
- PHYS 214 Waves & Quantum Physics (2)\_\_\_\_
- ◆ EE 210 Circuits & Devices (4)\_\_\_\_
- AHS elective (3)\_\_\_\_
- PHYS 237 or M E 23/201 or CMPS 122  
or BIOL 141 or EMCH 11 (3)\_\_\_\_
- TOTAL (17)**

**FIFTH SEMESTER**

- ◆ EE 310 Electronic Circuit Design (4)\_\_\_\_
- ◆ EE 330 Electromagnetics (4)\_\_\_\_
- ◆ EE 350 Continuous Time Linear Sys (4)\_\_\_\_
- AHS elective (3)\_\_\_\_
- Health & Physical Activity (GHA) (1.5)\_\_\_\_
- TOTAL (16.5)**

**SIXTH SEMESTER**

- ◆ EE 324/316 Embedded Controllers (3)\_\_\_\_
- ◆ E SC 314 Engr. Appl. Of Materials (3)\_\_\_\_
- & EE 300 level elective (3)\_\_\_\_
- & EE/CSE 300/400 level elective (3)\_\_\_\_
- & STAT 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.**

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|---|---|
| <ul style="list-style-type: none"> <li>&amp; EE/CSE 400 level elective (3)____</li> <li>&amp; EE/CSE 400 level elective (3)____</li> <li>AHS elective (3)____</li> <li>ENGL 202C Technical Writing (3)____</li> <li>% Related elective (3)____</li> </ul> | <ul style="list-style-type: none"> <li>EE 402W/403W Senior Project Design (3)____</li> <li>&amp; EE/CSE 400 level elective (3)____</li> <li>&amp; Engineering/Science elective (3)____</li> <li>AHS elective (3)____</li> <li>% Related elective (3)____</li> </ul> |
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**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)