Electrical Engineering Course Plan

Semester 1
15 Credit Hours

- CS 1113 Comp. Science I
  2/2
- ENGR 1111 Intro to Engr
  1/1
- CHEM 1414 Gen Chemistry
  3/2, Note 1
- MATH 2144 Calculus I
  4/0
- ENGL 1113 Freshman Comp I
  3/0, Note 2

Semester 2
15 Credit Hours

- CS 2133 / 2433 Comp. Science II
  3/0, Note 5
- ENGR 1342 Engr Design/CAD
  1/2
- PHYS 2014 General Physics I
  3/2, Note 6
- MATH 2153 Calculus II
  3/0
- ENGL 3323 Freshman Comp II
  3/0

Semester 3
16 Credit Hours

- ECEN 3233 Digital Logic Des
  2/2
- PHYS 2114 General Physics II
  3/2, Note 6
- MATH 2233 Diff Equations
  3/0
- MATH 2163 Calculus III
  3/0
- HIST 1103 American History
  3/0

Semester 4
16 Credit Hours

- ECEN 3313 Intro Device Physics
  3/0
- PHYS 3313 General Physics II
  0/2, Note 8
- PHYS 2014 General Physics I
  3/2, Note 6
- ENGS 2613 Electrical Science
  3/0, Note 8
- ENSC 3213 Microcomp. Prin.
  2/2, Note 4
- "S" Elective (3)
  Note 3,7

NOTES:
1) Chemistry 1515 may be substituted for CHEM 1414 and should be taken by all students considering medical school.
2) Students with less than a "B" in ENGL 1113 or 1313 must take ENGL 1213 or 1413 prior to ENGL 2113.
3) A total of at least 6 hours designated "H" and 6 hours designated "S" are required. Of these, 3 hrs must meet the International Dimension "I" component and 3 hrs must meet the Diversity "D" component.
4) Either ECEN 3213 or ENSC 3213 (beginning Fall 2008) is acceptable.
5) CS 2433 may be taken instead of CS 2133.
6) General Physics I and II are key prerequisites and should be taken at the earliest possible time.
7) Must be at least 3 SCH.
8) Line indicates this course has a co-requisite and must be taken with other courses.
9) Must be approved by ECEN advisor and satisfy current (2008-09) Area of Specialization requirements.
10) Should be chosen from ECEN 3113, 3613, 3723, and 3913, not taken elsewhere.

Four Year Suggested Course Plan
The anticipation at OSU and most institutions of higher education is that for one semester credit hour (SCH) the student spends one hour per week in lecture (two for lab courses) and two hours studying outside of class (one for lab courses). A three credit hour class requires, on average, nine hours per week. This study plan is recommended for students who will devote full time to university studies and do not have an external job, excessive extracurricular activities, or other obligations that will take more than ten hours per week.
**Professional School Entry Requirements:**
- Completion of at least 60 college level semester credit hours (SCH).
- Completion of at least 12 SCH from OSU.
- Completion of MATH 2144, 2153, 2163, 2233; PHYS 2014 and 2114; CHEM 1414; ENGR 1111, 1342; ENSC 2113, 2613, 3213 (beginning fall 2008); ECEN 2011, 3233; ENGL 1113 or 1313; CS 1113, 2133 or 2433.
- A grade of "C" or better in each of those courses listed above.
- An overall GPA of 2.6 or better at OSU.
- A GPA of 2.7, or better, in all of the college-level math, science and engineering courses required for the B.S. in Electrical Engineering.
- This flowchart is only an advising instrument. When conflicts occur, the official 2008-2009 Degree Requirement Sheet takes precedence. Always check for the most current version of this flowchart.