**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, about nine hours per week. This study plan is recommended for students who will devote full time to university studies and do not have excessive extracurricular activities or other obligations.

**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 3323.
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) General Physics I and II are key prerequisites and should be taken at the earliest possible time.
6) Must be approved by ECE advisor.
7) Must be at least 3 SCH.
8) Line indicates this course has a co-requisite and must be taken with other courses.
9) ENGR 1113 may be substituted for ENGR 1111 and ENGR 1342 with permission.
### Computer Engineering Course Plan

**Semester 5**
- 16 Credit Hours
- ENGL 3323 (Technical Writing) 3/0
- MATH 2153
- ECEN 3714 (Network Analysis) 3/2
- MATH 3013 (Linear Algebra) 3/0
- CS 4343 (Data Structures) 3/0
- CS 2133 (CS3653) 3/0
- ECEN 3613 (Electromag Fields) 3/0
- ENSC 2613 (MATH 2163) 3/0

**Semester 6**
- 16 Credit Hours
- IEM 3503 (Engr Economics) 3/0
- MATH 153
- ECEN 3513 (Signal Analysis) 3/0
- ECEN 3314 (Elect Dev & Appl) 3/2
- ECEN 4013 (Op Systems) 3/0
- "H" Elective (3) Note 3,7

**Semester 7**
- 15 Credit Hours
- ECEN 4013 (Senior Design I) 1/4
- ECEN 4503 (ECEN 4303) 3/0
- ECEN 3714 (ECEN 3513) 3/0
- ECEN 4213 (Comp Arch) 2/2
- "S" Elective (3) Note 3,7

**Semester 8**
- 16 Credit Hours
- ECEN 4024 (Senior Design II) 1/8
- ECEN 4303 (Dig Elec Ckt Des) 2/2
- ECEN 4243 (Comp Bas Sys Des) 2/2
- "H" Elective (3) Note 3,7

**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 2613, 3213 (beginning fall 2008); ECEN 2011, 3233; ENGL 1113 or 1313; CS 1113, 2133, 2351.
- 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/Computer Engineering.

- This flowchart is only an advising instrument. When conflicts occur, the official 2010-2011 Degree Requirement Sheet takes precedence. Always check for the most current version of this flowchart.
- Admission to Professional School is required to take upper level ECEN-prefix courses. Please refer to the OSU Catalog corresponding to your matriculation date for detailed admission requirements.

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No prerequisites, not prerequisite for another class

Has prerequisites, is prerequisite for another class

Has prerequisites, not prerequisite for another class

Has prerequisites, not prerequisite for another class

No prerequisites, not prerequisite for another class

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