**Four Year Suggested Course Plan**

The anticipation at OSU and most institutions of higher education is that for one student 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.

### Semester 1

**16 Credit Hours**

- **CS 1113** Comp. Science I
  - 3/0
- **ENGR 1111** Intro to Engr
  - 1/0
- **PHYS 2014** General Physics I
  - 3/2, Note 8
- **MATH 2144** Calculus I
  - 4/0, Note 8
- **CHEM 1414** Gen Chemistry
  - 3/2, Note 1

**Semester 2**

**18 Credit Hours**

- **CS 2133** Comp. Science II
  - 3/0, Note 4
- **ENGR 1342** Engr Design/CAD
  - 1/2
- **PHYS 2114** General Physics II
  - 3/2
- **MATH 2153** Calculus II
  - 3/0
- **ENGL 1113** Freshman Comp I
  - 3/0, Note 2

**Semester 3**

**16 Credit Hours**

- **ECEN 3233** Digital Logic Des
  - 2/2
- **ENSC 2113** Statics
  - 3/0
- **PHYS 2014** General Physics II
  - 3/0, Note 8
- **MATH 2153** Calculus II
  - 3/0
- **ENGL 3323**
  - 3/0

**Semester 4**

**16 Credit Hours**

- **ECEN 4213** Digital Logic Des
  - 2/2
- **ENSC 2123**
  - 3/0
- **PHYS 2114** General Physics II
  - 3/0, Note 8
- **MATH 2163** Calculus III
  - 3/0

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**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”. Consult the College approved list for courses that qualify.

4) CS 2433 may be taken instead of CS 2133.

5) Must follow Area of Specialization requirements.

6) Must be approved by ECEN advisor.

7) Must be at least 3 SCH.

8) Line indicates this course has a co-requisite and must be taken with other courses.
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, 3013; PHYS 2014 and 2114; CHEM 1414; ENGR 1111, 1342; ENSC 2113, 2123, 2613; ENSC 3233, 3714; ENGL 1113 or 1313.
- 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.