### 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.

### Semester 1
15 Credit Hours

- **CS1113** Comp. Science I 2/2
- **MATH2153** Calculus I 4/0
- **CHEM1414** Gen Chemistry 3/2, Note 1
- **ENGL1113** Freshman Comp I 3/0, Note 2
- **ENGR1111** Intro to Engr 1/1

### Semester 2
16 Credit Hours

- **CS2133** Comp. Science II 3/0
- **MATH2153** Calculus II 3/0
- **POLS1113** American Gov't 3/0
- **CS2351** UNIX Prog 1/0

### Semester 3
16 Credit Hours

- **ECEN3233** Digital Logic Des 2/2
- **MATH2153** Calculus III 3/0
- **HIST1103** American History 3/0

### Semester 4
16 Credit Hours

- **ECEN3314** Intro Device Physics 3/0
- **HIST1103** American History 3/0

#### 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. (blank)
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. The line indicates this course has a co-requisite and must be taken together.
9. (blank)
**Computer Engineering Course Plan**

**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, 3121; ENGL 1113 or 1313; CS 1113 or 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 2014-2015 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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**Semester 5**
- 16 Credit Hours
  - ENGL 3323: Technical Writing
  - ECEN 3213
  - ECEN 3233
  - ECEN 3314
  - ECEN 4013

**Semester 6**
- 16 Credit Hours
  - IEM 3503: Engr Economics
  - ECEN 3513: Signal Analysis
  - ECEN 3514: Electr Dev & Appl
  - CS 4323: Data Structures

**Semester 7**
- 15 Credit Hours
  - ECEN 2011
  - ENSC 2613
  - MATH 2163
  - MATH 2233
  - MATH 3013
  - MATH 4233
  - MATH 4313
  - MATH 4323
  - MATH 4413

**Semester 8**
- 16 Credit Hours
  - ECEN 2011
  - ENSC 3213
  - MATH 2233
  - MATH 3013
  - MATH 4233
  - MATH 4313
  - MATH 4323
  - MATH 4413