

Electrical Engineering Computer Option Alternative Course Plan *Pre-Professional School* 2006-2007

Semester 1 12 Credit Hours

MATH 2144
Calculus I
4/0, Note 8

MATH2153
ENSC2113

PHYS 2014
General Physics I
3/2, Note 8

PHYS2114
ENSC2113

ENGR 1111
Intro to Engr
1/0

CS 1113
Comp. Science I
3/0

CS2133

Semester 2 13 Credit Hours

MATH 2153
Calculus II
3/0

MATH2144

MATH2233
MATH2163
MATH3013
ENSC2613
IEM3503

PHYS 2114
General Physics II
3/2

PHYS2014

PHYS3313
ENSC2613
ECEN2011

ENGL 1113
Freshman Comp I
3/0, Note 2

ENGL3323

CS 2133
Comp. Science II
3/0, Note 4

CS1113

Semester 3 15 Credit Hours

MATH 2163
Calculus III
3/0

MATH2153

ECEN3613

CHEM 1414
General Chemistry
3/2, Note 1

ENGR 1342
Engr Design/CAD
1/2

ECEN 3233
Digital Logic Des
2/2

ECEN4213
ECEN4243
ECEN4013
ECEN4303

POLS 1113
American Gov't
3/0

Semester 4 13 Credit Hours

MATH 2233
Diff Equations
3/0

MATH2153

ECEN3714
ECEN3613

PHYS 3313
Intro Device Physics
3/0

PHYS2114

ECEN3913

ENSC 2613
Electrical Science
3/0, Note 8

PHYS2114
MATH2153

ECEN3714

ECEN 2011
Exp Methods I
0/2, Note 8

PHYS2114

ECEN3314
ECEN3714

ENSC 2113
Statics
3/0

PHYS2014
MATH2144

ENSC2123

Semester 5 13 Credit Hours

MATH 3013
Linear Algebra
3/0, Note 8

MATH2153

ECEN3723

ECEN 3714
Network Analysis
3/2, Note 8

ENSC2613
MATH2233

ECEN3113
ECEN3314
ECEN3513

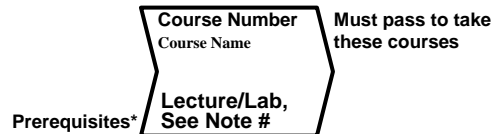
ENSC 2123
Dynamics
3/0

ENSC2113

ECEN3723

ECEN 3213
Microcomp. Prin.
3/2

ECEN4213
ECEN4243
ECEN4013



*Only the last prerequisite in a sequence is listed. All earlier prerequisites must also be satisfied before taking the course.

OSU Requirement

CEAT Requirement

ECEN Requirement

Elective

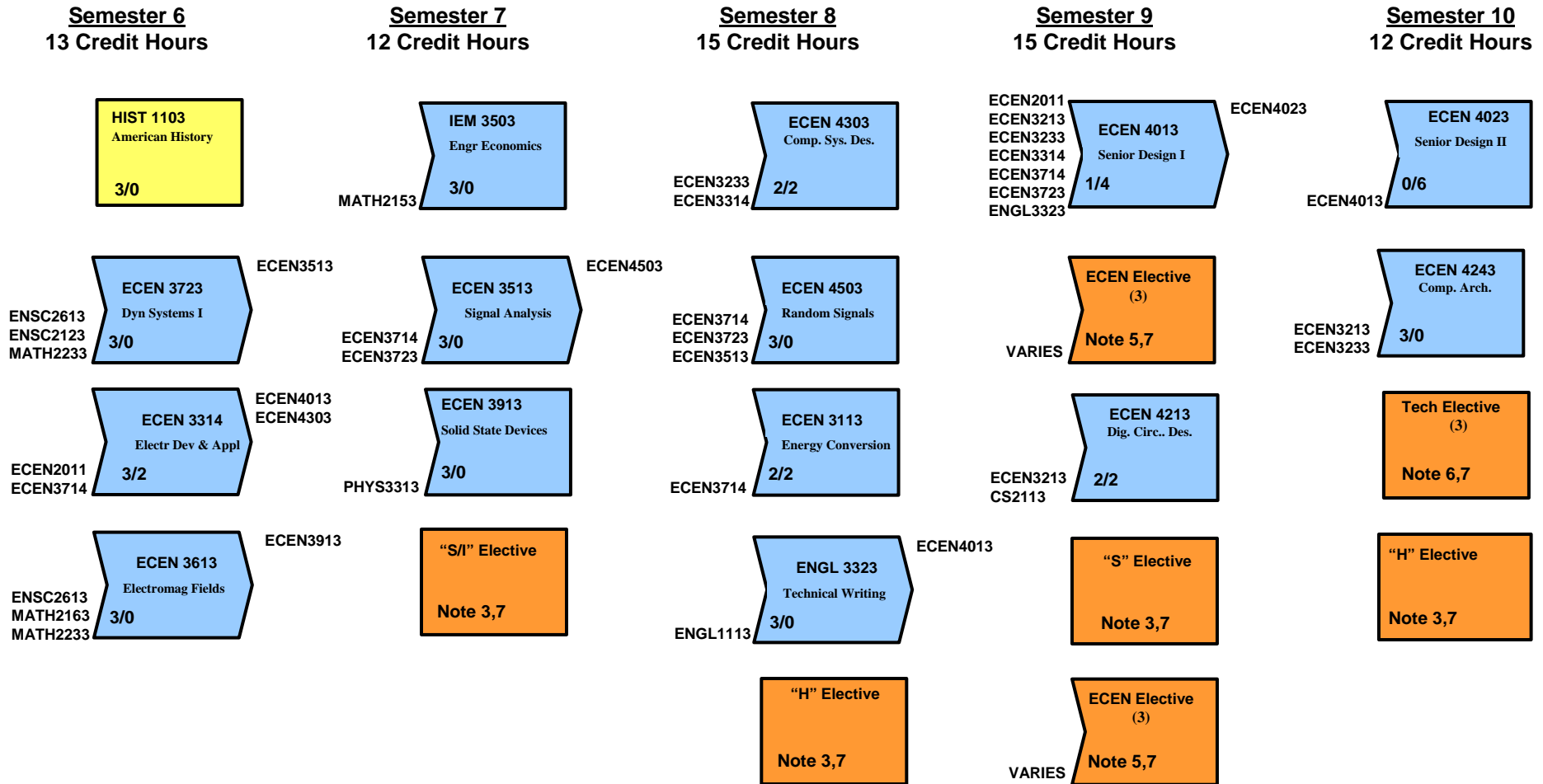
Alternative Suggested Course Plan

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 plan to work more than ten hours per week while enrolled, wish to participate in time-intensive extracurricular activities, who have a college GPA below 3.0, or who have obligations which take more than ten hours per week.

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.

Electrical Engineering Computer Option Alternative Course Plan *Professional School** 2006-2007



*** 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; ECEN 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.

