

Computer Engineering 2022-2023

Computer Engineering Course Plan (CpE)

Years 1 and 2

Semester 1 15 Credit Hours

CS 1113
Comp. Science I
2/2

CS2433
CS2351

ENGR 1111
Intro to Engr
1/0

MATH 2144
Calculus I
4/0

MATH2153
PHYS2014
CS3653

CHEM 1414
Gen Chemistry
3/2, Note 1

ENGL 1113
Freshman Comp I
3/0, Note 2

ENGL3323

Semester 2 17 Credit Hours

CS 2433
C/C++ Prog
3/0

CS1113

ECEN3213
CS3353

PHYS 2014
General Physics I
3/2, Note 5

MATH2144

PHYS2114

ECEN 3233
Digital Logic Des
2/2

ECEN4213
ECEN4243
ECEN4013
ECEN4303

MATH 2153
Calculus II
3/0

MATH2144

MATH2233
MATH3013
ECEN2714
MATH2163
IEM3503

POLS 1113
American Gov't
3/0

CS 2351
UNIX Prog
1/0

CS1113

Semester 3 15 Credit Hours

MATH 2233
Diff Equations
3/0

MATH2153

ECEN3714

PHYS 2114
General Physics II
3/2, Note 5

PHYS2014

ECEN3714
ECEN3903

ECEN 2714
Fund Elec Circuits
3/2, Note 4,7

MATH2153

ECEN3714

CS 3653
Discrete Math
3/0

MATH2144

CS3353

ENSC 2611
Elec Fab Lab
0/2

ECEN3314

Semester 4 16 Credit Hours

MATH 2163
Calculus III
3/0

MATH2153

ECEN3613

ECEN 3903
Intro Semicon Dev
3/0

PHYS2114

ECEN3314

ECEN 3714
Network Analysis
3/2

ECEN2714
MATH2233
PHYS2114

ECEN3314
ECEN3513
ECEN3613
ECEN4013

ECEN 3213
Comp Based Systems
2/2

CS2433

ECEN4013
ECEN4243
ECEN4213
CS4323

HIST 1103
American History
3/0

Course Number
Course Name

Subsequent Requirement**

Lecture/Lab
See Note #

Prerequisites*

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

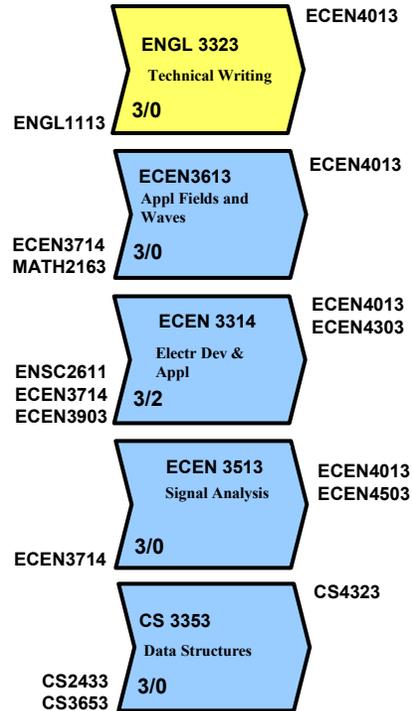
**See your Advisor, the ECE Advising Document, and Banner for additional information.

OSU Requirement CEAT Requirement ECE Requirement Elective

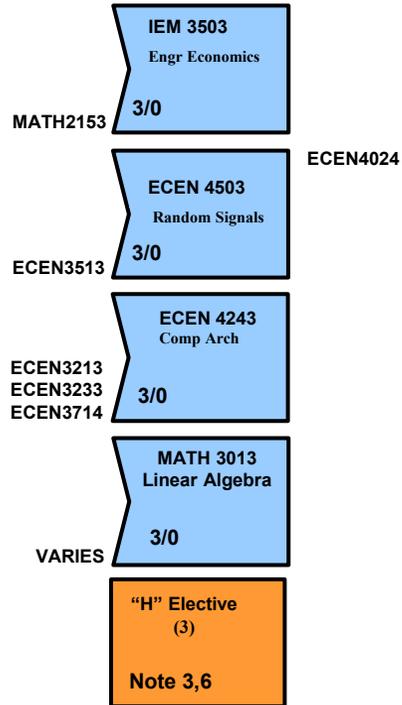
Suggested Course Plan
The anticipation at OSU and most institutions of higher education is that for *one* semester credit hour (SCH) the student spends one hour per week in lecture (two for lab courses) and two hours studying outside of class (one for lab courses). A three credit hour class requires 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) CHEM 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 3 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) ECEN 2714 replaces ENSC 2613 effective fall 2018.
 - 5) General Physics I and II are key prerequisites and should be taken at the earliest possible time.
 - 6) Must be at least 3 SCH.
 - 7) MATH 2233 and PHYS 2114 must be taken prior to or at the same time as ECEN 2714.
 - 8) Either CS 4323 or ECEN 4283 (if not previously used) is acceptable. Refer to the CpE Course Advising Sheet.

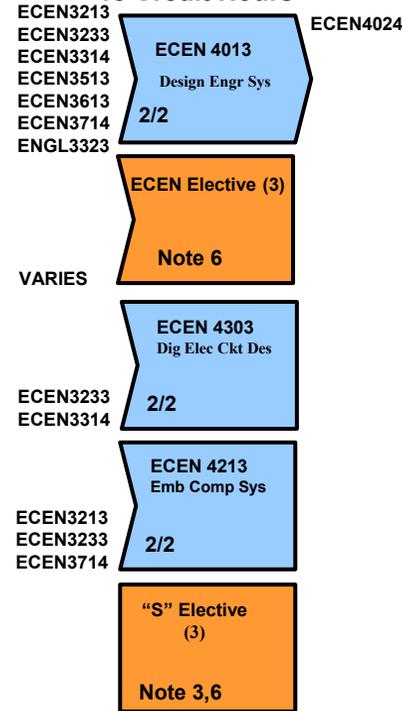
Semester 5 16 Credit Hours



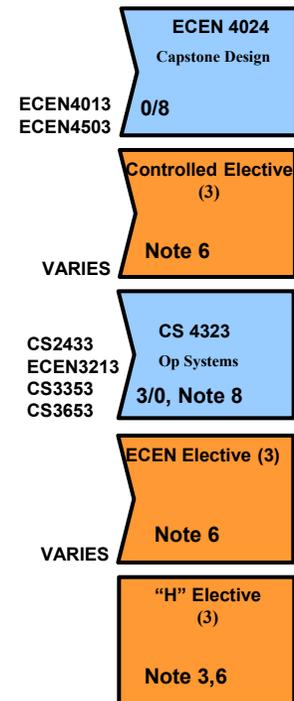
Semester 6 15 Credit Hours



Semester 7 15 Credit Hours



Semester 8 16 Credit Hours



- This flowchart represents one path of many to graduation. Students are not required to follow the chart, but prerequisites limit path options.
- This flowchart is only an advising instrument. When conflicts occur, the official 2022-2023 Degree Requirement Sheet takes precedence. Always check for the most current version of this flowchart.
- Be sure to pay careful attention to the prerequisite requirements, grade requirements, and other official information on Banner. Some prerequisites also have minimum grade requirements. Grade requirements are not shown on this flowchart.
- Consult your Advisor if you have any questions or need clarification.

