

Computer Engineering 2024-2025

Computer Engineering Course Plan (CpE)

Years 1 and 2

Semester 1 15 Credit Hours

UNIV 1111
Intro to OSU
1/0

CS 1113
Comp. Science I
2/2

CS2433

CHEM 1414
Gen Chemistry
3/2, Note 1

MATH 2144
Calculus I
4/0

MATH2153
ENSC2113
PHYS2014

ENGL 1113
Freshman Comp I
3/0, Note 2

ENGL3323

Semester 2 17 Credit Hours

ECEN 2233
Digital Logic Des
2/2

ECEN3213
ECEN4013

Adv Perm

CS 2433
C/C++ Prog
3/0

CS1113

ECEN3213

PHYS 2014
General Physics I
3/2, Note 5

MATH2144

PHYS2114
ENSC2113

MATH 2153
Calculus II
3/0

MATH2144

MATH2233
MATH3013
ECEN2714
IEM3503
MATH2163

HIST 1103
American History
3/0

CS 2351
UNIX Prog
1/0

CS1113

Semester 3 15 Credit Hours

ECEN 2714
Fund Elec Circuits
3/2, Note 4

ECEN3714

MATH2153
MATH2233cc
PHYS2114cc

CS 3653
Discrete Math
3/0

MATH2144

CS3353

PHYS 2114
General Physics II
3/2, Note 5

PHYS2014

ECEN3714
ECEN3903

MATH 2233
Diff Equations
3/0

MATH2153

ECEN3714

ENSC 2611
Elec Fab Lab
0/2

ECEN2714cc

ECEN3714

Semester 4 16 Credit Hours

ECEN 3714
Network Analysis
3/2

ECEN3314
ECEN3513
ECEN3613
ECEN4013

ECEN2714
MATH2233
PHYS2114
ENSC2611

ECEN 3213
Comp Based Systems
2/2

ECEN4013

CS2433
ECEN2233
ECEN2714

ECEN 3903
Intro Semicon Dev
3/0

PHYS2114
ECEN2714

ECEN3314

MATH 2163
Calculus III
3/0

MATH2153

ECEN3613

POLS 1113
American Gov't
3/0

Course Number
Course Name
Lecture/Lab
See Note #

Subsequent Requirement**
*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.

Prerequisites*

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.

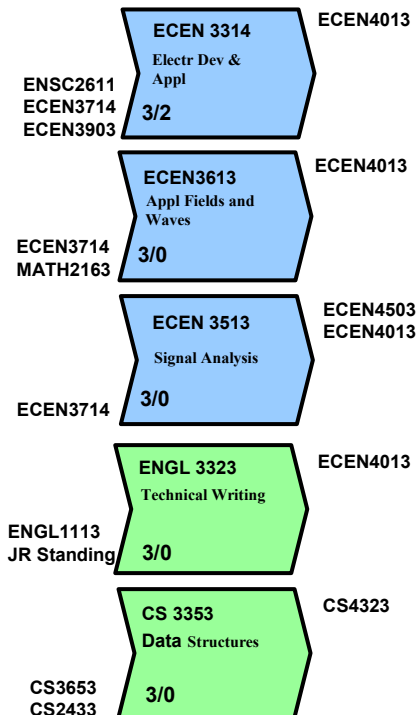
NOTES:

- 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" is required. Of these, 3 hrs must meet the International Dimension "I" component and 3 hrs must meet the Diversity "D" component.
- 4) MATH 2233 and PHYS 2114 must be taken prior to or at the same time as ECEN 2714.
- 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.

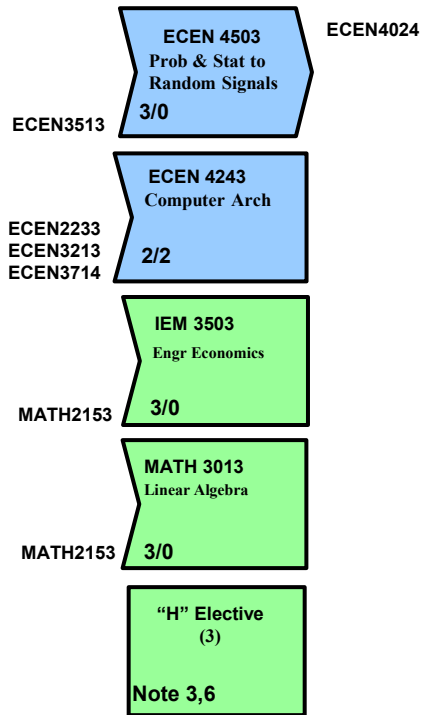
Computer Engineering 2024-2025 Computer Engineering Course Plan (CpE)

Years 3 and 4

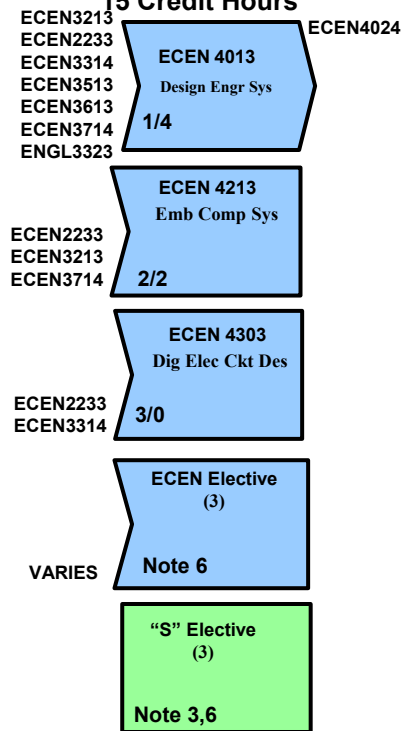
Semester 5 16 Credit Hours



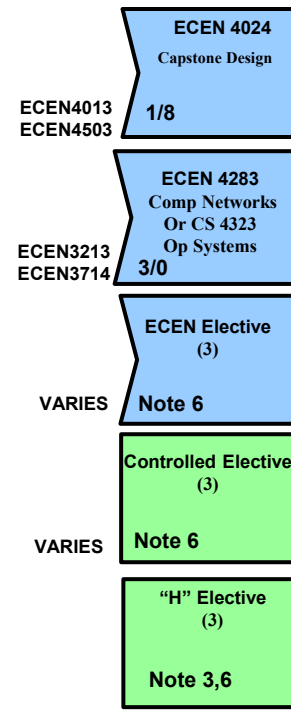
Semester 6 15 Credit Hours



Semester 7 15 Credit Hours



Semester 8 16 Credit Hours



Diversity Attribute

International Attribute

- From the OSU University Handbook: 7.1 Graduation Requirements: "The responsibility for satisfying all requirements for a degree rests with the student. Advisors, faculty members and administrators offer help to the student in meeting this responsibility."
- This flowchart serves as an advising instrument and visual guide, not as a substitute for the official Degree Requirement sheet found in the University Catalog. When conflicts occur, the official 2024-2025 Degree Requirement Sheet takes precedence.
- This flowchart represents one path of many to graduation. While students do not have to follow the flowchart, prerequisites and course sequencing limit path options.
- Please use the most recent version of the flowchart. Pay attention to course prerequisites, grade requirements, and other official information on Banner. Prerequisites can change from year to year. Always check the most recent University Catalog for course prerequisites. Note that grade requirements are not shown on this flowchart.
- Students are strongly encouraged to consult their Advisor before enrolling in or dropping any course. As always, consult your Advisor if you have any questions or need clarification about the flowchart or official degree requirements.