

# Computer Engineering – Software Engineering *Years 1 and 2*

## Course Plan (CpE-SOFT)

### 2025-2026

#### 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**  
Comp I  
3/0, Note 2

ENGL3323

#### Semester 2 17 Credit Hours

**ECEN 2233**  
Digital Logic Des  
2/2

MATH 1813cc

ECEN3213  
ECEN4013

**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

MATH2153  
MATH2233cc  
PHYS2114cc

ECEN3714

**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

ECEN2714  
MATH2233  
PHYS2114

ECEN3314  
ECEN3513  
ECEN3613  
ECEN4013

**ECEN 3213**  
Comp Based Systems  
2/2

CS2433  
ECEN2233  
ECEN2714

ECEN4013

**CS 3353**  
Data Structures  
3/0

CS3653  
CS2433

CS4323

**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:

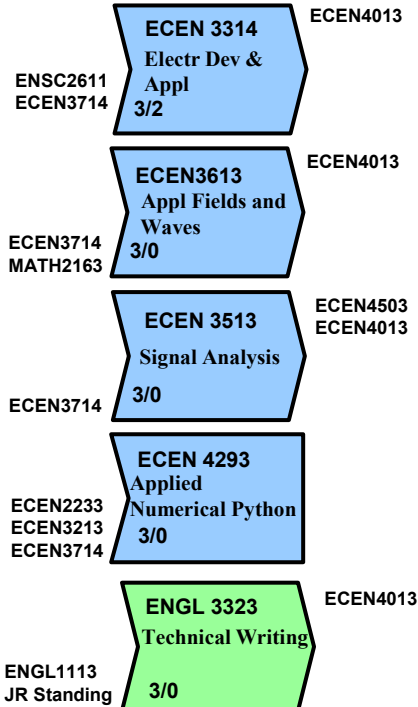
- 1) CHEM 1515 may be substituted for CHEM 1414 and should be taken by all students considering medical school.
- 2) Students with less than a "B" in ENGL 1113 or 1313 must take ENGL 1213 or 1413 prior to ENGL 3323.
- 3) A total of at least 6 hours designated "H" and 3 hours designated "S" is required. 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 – Software Engineering *Years 3 and 4*

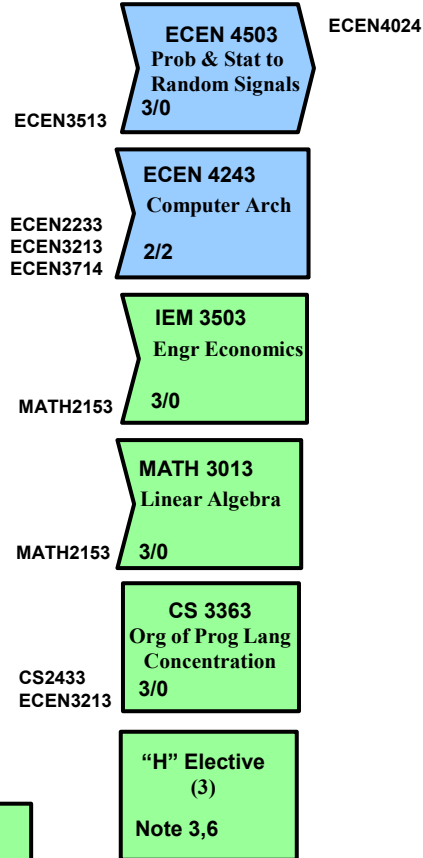
## Course Plan (CpE-SOFT)

### 2025-2026

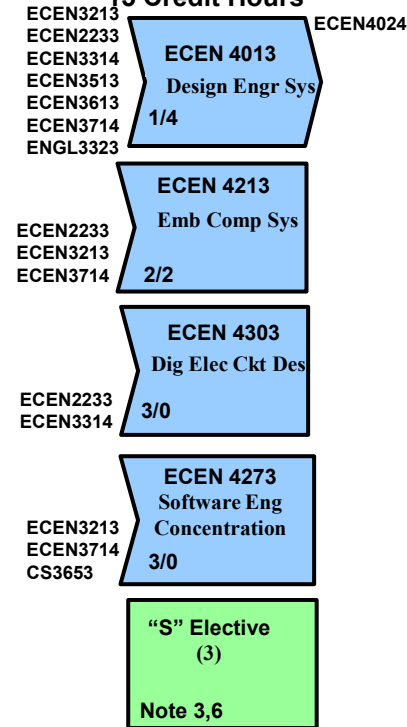
#### Semester 5 16 Credit Hours



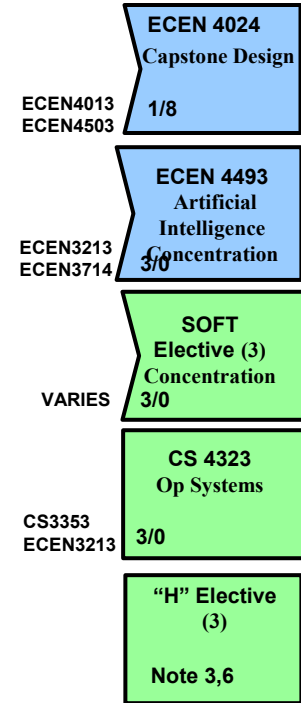
#### Semester 6 18 Credit Hours



#### Semester 7 15 Credit Hours



#### Semester 8 16 Credit Hours



**Diversity  
Attribute  
(3)**

**Global  
Attribute  
(3)**

- **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 2025-2026 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.