Computer Engineering Course Plan (CpE)

Semester 1
15 Credit Hours

- MATH 2144
  Calculus I
  4/0
- CS 1113
  Comp. Science I
  2/2
- CHEM 1414
  Gen Chemistry
  3/2, Note 1
- ENGL 1113
  Freshman Comp I
  3/0, Note 2

Semester 2
17 Credit Hours

- MATH 2153
  Calculus II
  3/0
- CS 2433
  C/C++ Prog
  2/2
- PHYS 2114
  General Physics I
  3/2, Note 5
- MATH 2153
  Fund Elec Circuits
  3/0

NOTE:
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 Course Plan (CpE) Years 3 and 4

**Semester 5**
- 16 Credit Hours
- ECEN 3314 Electr Dev & Appl
- ENSC 2611 Engr Economics
- ECEN 3314 Appliance Fields and Waves
- ECEN 3314 Signal Analysis
- MATH 2153 Linear Algebra
- ENGL 1113 JR Standing
- CS 3353 Data Structures

**Semester 6**
- 15 Credit Hours
- ECEN 4503 Prob & Stat to Random Signals
- ECEN 4243 Computer Arch
- MATH 3013 Linear Algebra
- IEM 3503 Engr Economics
- "H" Elective

**Semester 7**
- 15 Credit Hours
- ECEN 4013 Design Engr Sys
- ECEN 4213 Emb Comp Sys
- ECEN 4303 Dig Elec Ckt Des
- ECEN Elective

**Semester 8**
- 16 Credit Hours
- ECEN 4013 ECEN 4024 Capstone Design
- ECEN 4283 Comp Networks Or CS 4323 Op Systems
- ECEN 4203 Controlled Elective
- "H" Elective

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**International Attribute**

**Diversity Attribute**

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- **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 2023-2024 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.