Bachelor of Science in Computer Engineering (B225)
Summer 2023 through Spring 2024 – Total Credit Hours: 129

This flowchart is not an official check sheet of degree requirements. It is meant to be used as a supplemental visual guide to be used along with the official University of Oklahoma degree check sheet.

Name: ___________________________  Sooner ID: ___________________________

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**FRESHMAN**

**Fall** 16 Hours

- MATH 1914 Calculus I
- CHEM 1315 General Chemistry  
  Prereq: MATH 1503
- ENGR 1411/1421/3511 Engineering Thinking
- ENGL 1113 English Composition
- HIST 1483 or 1493 US 1492-1865 or US 1865-present
- 3-hrs CS Programming:  CS 1321/1323/1324  
  Co-req: MATH 1523
- CAS 1523 / 1533 / 1543 First Year Experience

**Spring** 17 Hours

- MATH 2924 Calculus II
- PHYS 2514 General Physics for Engr & Science Majors
- ENGL 1213 or EXPO 1213 English Comp or Exploratory Writing
- PSC 1113 American Federal Government
- 3-hrs CS Programming:  CS 1321/1323/1324  
  Co-req: MATH 1523

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**SOPHOMORE**

**Fall** 19 Hours

- MATH 2934 Calculus III
- PHYS 2524 Gen. Physics for Engr & Science Majors
- ECE 2214 Intro. to Digital Design  
  Prereq: MATH 1514/1823
- CS 2334 Programming Structures and Abstractions  
  Co-req: MATH 1523
- MATH 3113 Intro to Ord. Differential Equations  
  Prereq: MATH 2924/2423

**Spring** 17 Hours

- ECE 2723 Electrical Circuits I  
  Add'l prereq: MATH 2924/2423
- PHYS 2524 Gen. Physics for Engr & Science Majors
- ECE 2002 Professional Development  
  Additional Prereq: Soph standing
- ECE 2713 Digital Signals and Filtering  
  Additional Prereq: CS 1321/1323/1324
- PSC 1113 American Federal Government

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**JUNIOR**

**Fall** 15 Hours

- MATH 3113 Intro to Ord. Differential Equations  
  Prereq: MATH 2924/2423
- ECE 2713 Digital Signals and Filtering  
  Additional Prereq: CS 1321/1323/1324
- ECE 3773 ECE Circuits Laboratory
- CS 2813 Discrete Structures  
  Additional Prereq: MATH1914/1823
- ECE 2913 Intro to Digital Design

**Spring** 15 Hours

- MATH 3333 Linear Algebra  
  Prereq: MATH 1914/1823
- ECE 3223 Microprocessor System Design  
  Prereq: ENGR 2002 & ECE 2523
- ECE 3723 Electrical Circuits II  
  Add'l prereq: MATH 2924/2443
- ECE 3873 ECE Electronics Laboratory  
  ADD'l prereq: ENGR 2002 & ECE 2523
- ENGR 2002 Professional Development  
  Additional Prereq: CHEM 1315  
  Coreq: MATH 2934/2443

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**SENIOR**

**Fall** 15 Hours

- ECE 3793 Signals and Systems  
  Prereq: ECE 2713, 2723, & MATH 3113
- MATH 3333 Linear Algebra  
  Prereq: MATH 1914/1823
- ECE 3793 Digital Design Laboratory  
  Prereq: ECE 2713, 2722, & MATH 3113
- ECE 3793 Digital Design Laboratory
- ENGR 2002 Professional Development  
  Additional Prereq: CHEM 1315  
  Coreq: MATH 2934/2443

**Spring** 15 Hours

- MATH 3333 Linear Algebra  
  Prereq: MATH 1914/1823
- ECE 4613 Computer Architecture
- ECE 4273 Digital Design Laboratory
- ECE 4273 Digital Design Laboratory
- ECE 4773 Special Projects Laboratory (Capstone)
- ECE 4773 Special Projects Laboratory (Capstone)

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At least one of these Gen. Ed. courses must be 3000-4000 level.  
Foreign Language: 2 semesters college level or 2 years of high school.  
CS placement survey must be taken. Link in classnav.ou.edu course description.  
ECE 2523 may be met with ISE3293 if taken prior to Fall 2020  
Please see CE elective sheet when choosing electives for restrictions.