

Bachelor of Science in Computer Engineering (B225)

Summer 2018 through Spring 2019 – Total Credit Hours: 126

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.

FRESHMAN

SOPHOMORE

JUNIOR

SENIOR

Fall
16 Hours

Spring
17 Hours

Fall
16 Hours

Spring
17 Hours

Fall
15 Hours

Spring
15 Hours

Fall
15 Hours

Spring
15 Hours

MATH 1914
Calculus I

MATH 2924
Calculus II

MATH 2934
Calculus III

MATH 3113
Intro to Ord. Differential Equations
Prereq: MATH 2924/2423

★
Approved Elective
Social Science

★
Approved Elective
Artistic Forms

★
Approved Elective
Western Civilization & Culture

★
Approved Elective
Non-Western Culture

CHEM 1315
General Chemistry
Prereq: MATH 1503

PHYS 2514
General Physics for Engr & Science Majors

PHYS 2524
Gen. Physics for Engr & Science Majors

ECE 2723
Electrical Circuits I

ECE 3723
Electrical Circuits II

MATH 3333
Linear Algebra
Prereq: MATH 1914/1823

3-hr Professional Elective
3000+ College of Engineering course

3-hr ECE/CS 4000-5000 level Elective

ENGL 1113
English Composition

ENGL 1213 or EXPO 1213
English Comp or Exploratory Writing

ECE 2713
Digital Signals and Filtering
Additional Prereq: CS 1321/1323/1324

ECE 3813
Introductory Electronics
*Additional Prereq: CHEM 1315
Coreq: MATH 2934/2443*

ECE 3793
Signals and Systems
Prereq: ECE 2713, 2723, & MATH 3113

ECE 3793 is a prerequisite for a majority of ECE Electives

3-hr ECE/CS 3000-4000 level Elective

ENGR 1411 / 3511
Freshman / Transfer Engineering Experience

ENGR 2002
Professional Development
Additional Prereq: Soph standing

ECE 3873
ECE Electronics laboratory

3-hr ECE 3000-4000 level Elective

3-hr ECE/CS 4000-5000 level Elective

HIST 1483 or 1493
US 1492-1865 or US 1865-present

PSC 1113
American Federal Government

ECE 2214
Intro. to Digital Design

CS 2813
Discrete Structures
Additional Prereq: MATH1914/1823

ECE 3773
ECE Circuits Laboratory

Must earn a B minimum in CS 1321/1323/1324 OR CS 2334 to enroll in any remaining CS courses.

◇
3-hrs CS Programming:
CS 1321/ 1323/ 1324
Co-req: MATH 1523

CS 2334
Programming Structures and Abstractions

CS 2413
Data Structures
Additional Prereq: MATH1914/1823

⊕
ECE 2523
Probability, Statistics and Random Processes
Prereq: MATH 2924/2433

ECE 3223
Microprocessor System Design

ECE 4273
Digital Design Laboratory

ECE 4613
Computer Architecture

ECE 4773
Special Projects Laboratory (Capstone)

- ★ 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.
- Note: Utilize flowcharts as a supplemental guide to OU Official check sheet <http://checksheets.ou.edu> and regular visits with your WSSC College Advisor
- ⊕ ECE 2523 may be met with ISE3293 if taken prior to Fall 2020
- ⚡ Co-requisite.
- ↔ Prerequisite
- Shaded CS courses have additional B minimum prerequisite requirements