Bachelor of Science in Computer Engineering (B225)
Summer 2020 through Spring 2021 – 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**

**Fall**
16 Hours

- MATH 1914 Calculus I
- CHEM 1315 General Chemistry (Prereq: MATH 1503)
- ENGL 1113 English Composition
- ENGR 1411 / 3511 Freshman / Transfer Engineering Experience
- HIST 1483 or 1493 US 1492-1865 or US 1865-present
- 3-hrs CS Programming: CS 1321/1323/1324 (Co-req: MATH 1523)

**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
- ECE 2214 Intro. to Digital Design
- PSC 1113 American Federal Government

**SOPHOMORE**

**Fall**
16 Hours

- MATH 2934 Calculus III
- PHYS 2524 Gen. Physics for Engr & Science Majors
- ECE 2713 Digital Signals and Filtering (Additional Prereq: CS 1321/1323/1324)
- ECE 2723 Electrical Circuits I (Additional Prereq: MATH 2924/2423)
- CS 2334 Programming Structures and Abstractions

**Spring**
17 Hours

- MATH 3113 Intro to Ord. Differential Equations (Prereq: MATH 2924/2423)
- ENGR 2002 Professional Development (Additional Prereq: Soph standing)
- CS 2413 Data Structures (Additional Prereq: MATH1914/1823)
- CS 2813 Discrete Structures (Additional Prereq: MATH1914/1823)
- CS 2924/2423 (May be met w/ MATH 2513)

**JUNIOR**

**Fall**
15 Hours

- ECE 2723 Electrical Circuits I
- ECE 3773 ECE Circuits Laboratory
- ECE 3813 Introductory Electronics (Additional Prereq: ECE 2713, 2723, & MATH 3113)
- ECE 3773 ECE Electronics laboratory
- CS 2523 Probability, Statistics and Random Processes (Prereq: MATH 2924/2423)

**Spring**
15 Hours

- ECE 3723 Electrical Circuits II (Prereq: MATH 1914/1823)
- ECE 3793 Signals and Systems (Prereq: ECE 2713, 2723, & MATH 3113)
- ECE 3723 may be met with ISE3293 if taken prior to Fall 2020
- ECE 3223 Microprocessor System Design
- ECE 4273 Digital Design Laboratory

**SENIOR**

**Fall**
15 Hours

- MATH 3333 Linear Algebra
- MATH 3113 Intro to Ord. Differential Equations
- Approved Elective
- Approved Elective
- Approved Elective
- ENGR 3873 ECE 3000-4000 level Elective
- 3-hr ECE/CS 4000-5000 level Elective

**Spring**
15 Hours

- ECE 3723 Electrical Circuits II (Prereq: MATH 1914/1823)
- ECE 3793 Signals and Systems (Prereq: ECE 2713, 2723, & MATH 3113)
- ECE 3723 may be met with ISE3293 if taken prior to Fall 2020
- ECE 3223 Microprocessor System Design
- ECE 4613 Computer Architecture
- ECE 4773 Special Projects Laboratory (Capstone)
- 3-hr ECE/CS 4000-5000 level Elective
- 3-hr ECE/CS 3000-4000 level Elective

Note: Utilize flowcharts as a supplemental guide to OU Official check sheet http://checksheets.ou.edu and regular visits with your WSSC College Advisor

- CS placement survey must be taken. Link in classnav.ou.edu course description.
- 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.
- Co-requisite. Prerequisite. HS History Deficiency. ECE 2523 may be met with ISE3293 if taken prior to Fall 2020.
- Please see CE elective sheet when choosing electives for restrictions.