Bachelor of Science in Electrical Engineering (B350)  
Summer 2020 through Spring 2021 – Total Credit Hours: 125  
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

**Spring**: 17 Hours
- MATH 1924 Calculus II
- PHYS 2514 General Physics for Engr & Science Majors
- ENGL 1213 or EXPO 1213 English Comp or Expository Writing
- CS 1313 Programming for Non-Majors with C
  - Coreq: MATH 1523
- PSC 1113 American Federal Government

**Sophomore**
- **Fall**: 17 Hours
  - MATH 2924 Calculus III
  - PHYS 2524 Gen. Physics for Engr & Science Majors
  - ENGR 2002 Professional Development
    - Additional Prereq: Soph standing
  - ECE 2214 Intro. to Digital Design
  - ECE 2523 Probability, Statistics and Random Processes
    - Prereq: MATH 2924/2433

- **Spring**: 15 Hours
  - MATH 3113 Intro to Ordinary Differential Equations
    - Prereq: MATH 2924/2433
  - PHYS 3223 Modern Physics for Engineers
    - Prereq: MATH 1914/1823
  - ECE 2723 Electrical Circuits I
    - Additional Prereq: ENGR 1411/3511
  - ECE 2713 Digital Signals and Filtering
    - Additional Prereq: ENGR 1411/3511
  - ECE 3813 Introductory Electronics
    - Additional Prereq: ENGR 2002
  - MATH 3113 Intro to Ordinary Differential Equations

**Junior**
- **Fall**: 15 Hours
  - MATH 3113 Intro to Ordinary Differential Equations
  - PHYS 3223 Modern Physics for Engineers
    - Prereq: MATH 1914/1823
  - ECE 2723 Electrical Circuits I
  - ECE 3873 ECE Electronics laboratory
    - Additional Prereq: ECE 2723 and MATH 2934/2443
  - ECE 3613 Electromagnetic Fields I
    - Prereq: ECE 2723 and MATH 2934/2443 and MATH 3113

- **Spring**: 15 Hours
  - MATH 3333 Linear Algebra
    - Prereq: MATH 1914/1823
  - ECE 3223 Microprocessor System Design
  - ECE 3323 Intro to Solid State Electronic Devices
  - ECE 3873 ECE Electronics laboratory
    - Additional Prereq: ECE 2723 and MATH 2934/2443
  - ECE 4273 Digital Design Laboratory
  - ECE 4773 Special Projects Laboratory (Capstone)

**Senior**
- **Fall**: 15 Hours
  - MATH 3333 Linear Algebra
  - ECE 3793 is a prerequisite for a majority of ECE Electives
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- **Spring**: 15 Hours
  - Approved Elective 3-hr ECE 4000-5000 level Elective
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  - Approved Elective 3-hr ECE 4000-5000 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. 

- 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.
- CS313 may be met with CS 1321, 1323, or 1324
- ECE 2523 may be met with ISE 3293 if taken prior to Fall 2020
- HS History Deficiency
- See EE elective sheet when choosing electives for restrictions

Co-requisite. Prerequisite. Shaded courses offered once per year. HS History Deficiency