Bachelor of Science in Electrical Engineering (B350)

Summer 2019 through Spring 2020 – 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
  - ENGR 1411
    - Freshman / Transfer Engineering Experience
  - HIST 1483 or 1493
    - US 1492-1865 or US 1865-present

- **Spring (17 Hours)**
  - MATH 2924
    - 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

SOPHOMORE

- **Fall (17 Hours)**
  - MATH 2934
    - Calculus III
  - PHYS 2544
    - General Physics for Engr & Science Majors
  - ENGR 2002
    - Professional Development
    - Additional Prereq: Soph standing
  - ECE 2214
    - Intro. to Digital Design
  - PSC 1113
    - American Federal Government
    - Approved Elective

- **Spring (15 Hours)**
  - MATH 3113
    - Intro to Ord. Differential Equations
    - Prereq: MATH 2924/2423
  - PHYS 3223
    - Modern Physics for Engineers
    - Prereq: MATH 1914/1923
  - ECE 2723
    - Electrical Circuits I
    - Additional Prereq: ENGR 1411/3511
  - ECE 2713
    - Digital Signals and Filtering
    - Additional Prereq: CHEM 1315
    - Coreq: MATH 2934/2443
  - ECE 2523
    - Probability, Statistics and Random Processes
    - Prereq: MATH 2924/2433

JUNIOR

- **Fall (15 Hours)**
  - MATH 3113
    - Intro to Ord. Differential Equations
    - Prereq: MATH 2924/2423
  - ECE 3723
    - Electrical Circuits II
  - ECE 3813
    - Introductory Electronics
    - Additional Prereq: ECE 2713, 2723, & MATH 3113
  - ECE 3773
    - ECE Circuits Laboratory
  - ECE 3613
    - Electromagnetic Fields I
    - Prereq: ECE 2723 and MATH 2934/2443 and MATH 3113
  - ECE 3113
    - Energy Conversion I
    - Additional Prereq: ECE 2723

- **Spring (15 Hours)**
  - MATH 3333
    - Linear Algebra
    - Prereq: MATH 1914/1923
  - ECE 3793
    - Signals and Systems
    - Prereq: ECE 2713, 2723, & MATH 3113
  - ENGR 2002
    - Professional Development
    - Additional Prereq: Soph standing
  - ECE 3873
    - Introductory Electronics laboratory
    - Additional Prereq: CHEM 1315
  - ECE 3113
    - Energy Conversion I
    - Additional Prereq: ECE 2723

SENIOR

- **Fall (15 Hours)**
  - Approved Elective
  - Approved Elective
  - Approved Elective
  - Approved Elective
  - Approved Elective

- **Spring (15 Hours)**
  - Approved Elective
  - Approved Elective
  - Approved Elective
  - Approved 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.**
- **CS1313 may be met with CS 1321, 1323, or 1324**
- **ECE 2523 may be met with ISE 3293 if taken prior to Fall 2020**