

Name: _____

Sooner ID: _____

Bachelor of Science in Electrical Engineering (B350)

Summer 2023 through Spring 2024 – Total Credit Hours: 128

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
17 Hours

Spring
18 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 Ordinary
Differential
Equations

*Prereq: MATH
2924/2423*

PHYS 3223
Modern Physics for
Engineers

MATH 3333
Linear Algebra

*Prereq:
MATH 1914/1823*

Approved Elective ★
Western Culture

Approved Elective ★
World 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

ECE 3793
Signals and Systems

*Prereq:
ECE 2713, 2723, &
MATH 3113*

3-hr ECE ★
4000-5000 level
Elective

3-hr Professional
Elective ★
See Elective Sheet

ENGL 1113
English Composition

**ENGL 1213 or
EXPO 1213**
English Comp or
Expository Writing

ENGR 2002
Professional
Development

*Additional Prereq:
Soph standing*

ECE 2713
Digital Signals and
Filtering

*Additional Prereq:
ENGR 1411/3511*

ECE 3813
Introductory
Electronics

*Additional Prereq:
CHEM 1315
Coreq:
MATH 2934/2443*

ECE 3793 is a prerequisite
for a majority of ECE
Electives

3-hr ECE ★
4000-5000
level Elective

3-hr ECE ★
4000-5000
level Elective

**ENGR
1411/1421/3511**
Engineering Thinking

CS 1313 ⊗
Programming for
Non-Majors with C

Coreq: MATH 1523

ECE 2214
Intro. to Digital
Design

ECE 2523 ⊕
Probability, Statistics
and Random
Processes

*Prereq:
MATH 2924/2433*

ECE 3773
ECE Circuits
Laboratory

ECE 3873
ECE Electronics
laboratory

*Additional Prereq:
ENGR 2002*

3-hr ECE ★
4000-5000 level
Elective

3-hr ECE ★
Elective
May be 3000/4000

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

**CAS
1523/1533/1543**
First-Year Experience

Approved Elective ★
Social Science

PSC 1113
American Federal
Government

Approved Elective ★
Artistic Forms

ECE 3613
Electromagnetic
Fields I

*Prereq:
ECE 2723 and
MATH 2934/2443 and
MATH 3113*

ECE 3113
Energy Conversion I

*Additional Prereq:
ECE 2723*

ECE 3323
Intro to Solid State
Electronic Devices

ECE 4273
Digital Design
Laboratory

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.

⊗ CS1313 may be met with CS 1321, 1323, or 1324

⊕ ECE 2523 may be met with ISE 3293 if taken prior to Fall 2020

★ See EE elective sheet when choosing electives for restrictions

←---→ Co-requisite.

←→ Prerequisite

■ Shaded courses offered once per year.

□ HS History Deficiency