Bachelor of Science in Mechanical Engineering (Premedical Option B676)
Summer 2022 through Spring 2023 – Total Credit Hours: 132
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
- **MATH 2924** Calculus II
- **PHYS 2514** Physics I
- **CHEM 1315** Chemistry I
- **ENGR 1411 / 3511** Freshman / Transfer Engr Experience

Spring 16 Hours

- **MATH 2934** Calculus III
- **AMEN 2402** Engineering Computing
- **EC 1523/1533/1543** First Year Experience
- **ENGL 1213 or ENZO 1213** English Comp or Expository Writing

SOPHOMORE

Fall 19 Hours

- **MATH 3113G** Intro. Diff. Equations
- **MATH 2924/2423**
- **AMEN 2531** Statics
- **CHEM 1415** Chemistry II
- **CHEM 3053** Organic Chemistry

Spring 17 Hours

- **MATH 3113G** Intro. Diff. Equations
- **AMEN 2531** Statics
- **CHEM 1415** Chemistry II
- **CHEM 3053** Organic Chemistry

JUNIOR

Fall 18 Hours

- **AME 2113** Statics
- **AME 2213** Thermodynamics
- **AME 2303** Materials Design & Manufacturing
- **AME 3112** Solid Mechanics Lab

Spring 17 Hours

- **AME 2113** Statics
- **AME 2213** Thermodynamics
- **AME 2303** Materials Design & Manufacturing
- **AME 3112** Solid Mechanics Lab

SENIOR

Fall 15 Hours

- **AME 3153** Solid Mechanics
- **AME 3173** Heat Transfer
- **AME 3353** Design of Mechanical Components

Spring 15 Hours

- **AME 3153** Solid Mechanics
- **AME 3173** Heat Transfer
- **AME 3353** Design of Mechanical Components

Prerequisite

- AME Electives and Flowcharts can be found here: [https://www.ou.edu/coe/academics/advising/degree-plans-and-flowcharts](https://www.ou.edu/coe/academics/advising/degree-plans-and-flowcharts)

In order to progress to Sophomore level courses in AME, students must attain a combined GPA of 3.0 or higher in the four courses: MATH1914, MATH 2924, PHYS2514, and CHEM1315 AS WELL AS a combined GPA of 3.0 or higher in 24 or more credit hours.

- **Co-requisite.**
- **Prerequisite**
- **Shaded courses offered once per year.**

Per AME: Courses taken during Winter and Spring Intersessions will not qualify for AME course credit.