Bachelor of Science in Mechanical Engineering (Standard Option B675)
Summer 2018 through Spring 2019 – Total Credit Hours: 123

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
- CHEM 1315 Chemistry I
- PHYS 2514 Physics I
- ENGR 2002 Professional Development

SOPHOMORE
Fall 16 Hours
- MATH 2934 Calculus III
- MATH 3113G Intro. Diff. Equations
- PHYS 2524 Physics II
- ENGR 2431 Electrical Circuits
- AME 2553 Statics

Spring 15 Hours
- ENGR 2531 Electrical Circuits II
- ENGR 3431 Electromech Systems
- AME 2531 Fluid Mechanics
- AME 2303 Solid Mechanics
- Approved Technical Elective (3 hours)

JUNIOR
Fall 17 Hours
- AME 3112 Solid Mechanics Lab
- ENGR 2002 Professional Development
- AME 3143* Solid Mechanics
- AME 3153* Fluid Mechanics
- Approved Technical Elective (3 hours)

Spring 14 Hours
- AME 3173 Heat Transfer
- AME 3122 Heat Transfer & Fluid Mechanics Lab
- AME 3143* Design of Mechanical Components
- AME 3353* Design of Mechanical Components
- Approved Technical Elective (3 hours)

SENIOR
Fall 14 Hours
- AME 3112 Solid Mechanics Lab
- ENGR 2002 Professional Development
- AME 3353* Design of Mechanical Components
- AME 3363 Design of Thermal-Fluid Systems
- AME 4163 Principles of Engineering Design

Spring 15 Hours
- AME 3112 Solid Mechanics Lab
- ENGR 2002 Professional Development
- AME 3353* Design of Mechanical Components
- AME 3363 Design of Thermal-Fluid Systems
- AME 4163 Principles of Engineering Design

In order to progress into 2nd year SOPHOMORE courses in AME, students must successfully complete (C minimum) MATH 1914, MATH 2924, PHYS 2514, & CHEM 1315 with a 3.0 Combined Ret GPA & possess a minimum 3.0 Combined Ret GPA in 24 or more credit hours.

Approved Elective (3 hours)

Approved Technical Elective (3 hours)

Approved Technical Elective (3 hours)

Approved Technical Elective (3 hours)

Approved Technical Elective (3 hours)

Approved Technical Elective (3 hours)

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

* The following prerequisites will be reflected on the AY 2019-2020 checksheet: For AME3143-AME2533 & 2303; For AME3153-AME2533

AME Electives and Flowcharts can be found here: www.ou.edu/content/coe/academics_flowcharts.html