Bachelor of Science in Aerospace Engineering (Standard Option B010)
Summer 2022 through Spring 2023 – 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
- Fall 16 Hours
  - MATH 1914 Calculus I
  - CHEM 1315 Chemistry I
  - ENGR 1411 / 3511 Freshman / Transfer Engineering Experience
  - HIST 1483 or 1493 US History
  - ENGL 1113 English Composition

- Spring 17 Hours
  - MATH 2924 Calculus II
  - PHYS 2514 Physics I
  - UCOL 1523 / 1533 / 1543 First Year Experience
  - C S 1313 Programming for Non Majors w/ C

SOPHOMORE
- Fall 17 Hours
  - MATH 2934 Calculus III
  - PHYS 2524 Physics II
  - AME 2223 Intro to Aerospace Engineering
  - HIST 1483 or 1493 US History
  - ENGL 1213 or EXPO 1213 English Comp or Exploratory Writing

- Spring 16 Hours
  - MATH 3413G Physical Math I
  - PHYS 3401 Numerical Methods w/ MATLAB
  - AME 2213 Thermodynamics
  - Additional Coreq: MATH 2934 or 2433

JUNIOR
- Fall 15 Hours
  - AME 3433G Control Systems
  - AME 3253 Aerodynamics
  - AME 2303 Materials, Design & Manufacturing Processes
  - Approved Elective Artistic Forms
  - AME 2002 Prof. Development
  - Prereq: Soph standing & ENGL 1213
  - C S 1113 American Federal Government

- Spring 17 Hours
  - AME 3103 Interactive Engr Design Simulation
  - AME 3623 Embedded Systems
  - AME 3523 Aerospace Structural Analysis
  - AME 4493/5493 Space Sciences & Astrodynamics
  - Approved Technical Elective (3 hours)

- Fall 15 Hours
  - AME 3143 Solid Mechanics
  - AME 3272 Flight Mechanics
  - AME 3333 Flight Mechanics
  - AME 3143G Physical Math II
  - Approved Technical Elective (3 hours)

- Spring 15 Hours
  - AME 3112 Solid Mechanics Lab
  - AME 3722 Wind Tunnel Lab
  - AME 3143G Physical Math III
  - Approved Experimental Elective (2 hours)

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 (or 1823), MATH2924 (or 2423), PHYS2514, and CHEM1315 AS WELL AS a combined GPA of 3.0 or higher in 24 or more credit hours.

- Approved Elective World Culture
- Approved Elective Western Culture
- Approved Elective Social Science
- Approved Experimental Elective

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 (or 1823), MATH2924 (or 2423), PHYS2514, and CHEM1315 AS WELL AS a combined GPA of 3.0 or higher in 24 or more credit hours.

- Approved Technical Elective (3 hours)

AME Checksheets and Flowcharts can be found here: https://www.ou.edu/coe/academics/advising/degree-plans-and-flowcharts