Name:	Sooner ID:

Bachelor of Science in Mechanical Engineering (Standard Option B675)

Summer 2024 through Spring 2025 - Total Credit Hours: 121

This flowchart is not an official check sheet of degree requirements. It is meant to be used as a supplemental visual guide along with the official University of Oklahoma degree check sheet.

FRESHMAN		SOPHO	SOPHOMORE		JUNIOR		SENIOR	
Fall 15 Hours	Spring 14 Hours	Fall 16 Hours	Spring 16 Hours	Fall 17 Hours	Spring 14 Hours	Fall 14 Hours	Spring 15 Hours	
MATH 1914 Calculus I	MATH 2924 Calculus II	MATH 2934 Calculus III	MATH 3113G Intro. Diff. Equations Prereq: MATH 2924/2423	AME 3723G Numerical Methods Additional Prereq: AME2402 or CS1313	Approved Simulation Elective (3 Hours)	Approved Math/Science Elective (3 Hours)	Approved Elective World Culture	
CHEM 1315 Chemistry I	PHYS 2514 Physics I	PHYS 2524 Physics II	ENGR 2431 Electrical Circuits Additional Prereq: MATH 2924/2423 ENGR 2531 Electrical Circuits II	AME 3153 Fluid Mechanics Additional Prereqs: AME 2113 & 2213	AME 3173 Heat Transfer Additional Prereq: AME 2213	AME 3363 Design of Thermal-Fluid Systems Additional Prereqs: AME 3153 & AME 2402 or CS 1313	AME 4553 Design Practicum (Capstone)	
ENGR 1413 Engineering Thinking Orientation & Core V FYE	HIST 1483 or 1493 US History	AME 2402 Engineering Computing MAJORS ONLY	ENGR 3431 Electromech Systems	AME 3112 Solid Mechanics Lab	AME 3122 Heat Transfer & Fluid Mechanics Lab	AME 4163 Principles of Engineering Design Additional Preregs:		
ENGL 1113 English Composition	ENGL 1213 or EXPO 1213 English Comp or Exploratory Writing	AME 2113 Statics Additional Coreqs: MATH 2934 or 2433	AME 2533 Dynamics MAJORS ONLY AME 2303 Materials, Design & Manufacturing	AME 3143 Solid Mechanics Additional Prereq: MATH 3113	AME 3353 Design of Mechanical Components	Approved Engr Science Elective (3 hours)	Approved Elective Artistic Forms	
In order to progress to So level AME courses, stude complete:		AME 2213 Thermodynamics	AME 2102 Engineering Design Graphics Prereqs: ENGR 1413 & MATH 1914 or MATH 2423	Approved Technical Elective (3 hours)	PSC 1113 American Federal Government	Approved Experimental Elective (2 hours)	Approved Elective Western Culture	
MATH 1914 (or 1823), MATH 2924 (or 2423), PHYS 2514, and CHEM 1315 with a letter grade of "C"	or better		ENGR 2002 Prof. Skills for Engineers	Approved Elective Social Science			Approved Engr Science Elective (3 hours)	
AND maintain a GPA of 2	2.0 or better.	3000-4000 level.	Prereqs: Soph standing; ENGL 1213 / EXPO 1213; ENGR 1421/1413 or Coreq: ENGR 3511 Language: 2 semesters college	level or 2 years of high school.	HS History Deficiency	,		
← Co-requisite	← Prerequisite	Shaded courses are offer	red once per year during design	ated semester.		Date Reviewed:		