

MECHANICAL ENGINEERING (Standard) CURRICULUM = Flowchart based on 2017-2018 Degree Checksheet

NAME: _____ SOONER ID: _____

Fall
Freshman

CHEM1315 OR
CHEM1335
Chemistry I

MATH1914
Calculus I

ENGL1113
English
Comp. I

ENGR1411
Fresh. Engr.
Experience

HIST1483 OR
HIST1493
US History

Spring

PHYS2514
Physics I

MATH2924
Calculus II

ENGL1213 OR
EXPO1213
English Comp II

PSC1113
US Fed.
Government

Fall
Sophomore

AME2113
Statics

AME2213
Thermo-
dynamics

PHYS2524
Physics II

MATH2934
Calculus III

AME2402
Engineering
Computing

~Approved
Social
Science
Elective

Spring

AME2533
Dynamics

AME2303
Materials
Design & Mfg

ENGR2431/
2531/3431
Circuit Unit

MATH3113
Intro Diff.
Equations

AME3723
Numerical
Methods

#Approved
Tech.
Elective

Fall

AME3143
Solid
Mechanics

AME3112
Solid Mech.
Lab

AME3153
Fluid
Mechanics

ENGL3153
Technical
Writing

ENGR2002
Professional
Development

#Approved
Tech.
Elective

Spring

AME3353
Design Mech.
Component

AME3122
Heat Transfer &
Fluid Mech. Lab

AME3173
Heat
Transfer

AME3103
Inter. Engr. Design
Simulation

#Approved
Engr. Sci.
Elective

Fall

AME4163
Prin. Of Engr.
Design

AME3363
Design of
Thermal-Fluids

PHYS3223
Modern
Physics for
Engrs.

#Approved
Experimental
Elective

#Approved
Engr. Sci.
Elective

Senior

AME4553
Design
Practicum

~Approved
Artistic
Forms
Elective

~Approved
Non-Western
Culture
Elective

~Approved
Western
Culture
Elective

#Approved
Engr. Sci.
Elective

This flowchart is NOT an official notice of degree requirements and/or pre-requisites!

Please use as a supplemental advising guide to be used with the OFFICIAL University of Oklahoma degree checksheet:

<http://checkseets.ou.edu/engrindx.htm>

1. AME3143 and AME3153 additional pre-requisites: AME2113

Pre-Requisite (taken before)

2. AME3112 and AME3122 require AME2113 in addition to the co-requisite course

Co-Requisite (taken concurrently)

3. ENGL3153 has an additional co-requisite of AME3112. For permission to register email: fyc@ou.edu

4. AME3363 additional pre-requisite: AME2402

5. ALL AME courses are ONLY offered during semester listed. Please plan accordingly!

* In order to remain in 2nd. year AME courses, students must successfully complete these courses with a 3.0 or better and maintain an overall GPA of 3.0.

A list of approved Technical, Engineering Science, and Experimental Electives are available at www.ou.edu/content/coe/ame/undergraduate/approved_electives.html

† CHEM1315, PHYS2514, MATH1914, and MATH2924 are listed pre-requisites for ALL Fall Sophomore courses.

~: To be chosen from the university-wide General Education Approved Course List. Three of these 12 hours must be upper division (3000-4000)

Foreign Language Requirement:

Two Semesters College level or Two years high school