Mechanical Engineering 2024-25

mech.utah.edu/academics

Year 1		Year 2		Year 3		Year 4	
Fall (16 hrs)**	Spring (15 hrs)	Fall (17 hrs)	Spring (15 hrs)	Fall (16 hrs)	Spring (16 hrs)**	Fall (15 hrs)**	Spring (15 hrs)**
ME EN 1000 Intro to Design for Eng Sys 3hr L F,S	**ME EN 1010** Comp Prob Solv for Eng Sys 4hr L F,S		**ME EN 2450** Num Methods for Eng Sys 3hr F,S	**ME EN 3400†** Professional Communication 3hr F,S, Su*	**ME EN 3000** Design of Mech Elem 3hr F,S, Su*	**ME EN 4000†** Engineering Design I 3hr F,S	**ME EN 4010** Engineering Design II 3hr F, S
CHEM 1210 Chemistry 4hr F,S,Su*		**MSE 2160** Materials Science 3hr F,S	**ME EN 2455** Model & Sim Lab 1hr L F,S	**ME EN 3310** Mechanics of Materials 3hr F,S	Gen. Ed. Req.	Gen. Ed. Req.	**Tech Elective** 3hr
CHEM 1215 Chemistry Lab 1hr L F,S,Su*	**ME EN 2010** Statics 3hr F,S,Su*	**ME EN 2030** Dynamics 3hr F,S,Su*	**ME EN 2650** Manufacturing for Eng Sys 3hr L F,S	**ME EN 3315** Mechanics of Materials Lab 1hr L F,S	**Tech Elective** 3hr	**Tech Elective** 3hr	**Tech Elective** 3hr
Gen. Ed. Req. **WRTG/ENGL 2010** Recommended in first year		**ECE 2210** Electrical Engineering 3hr L F,S	**ME EN 2655** Manufact Lab 1hr L F,S	**ME EN 3220‡** Dyn Sys & Control 3hr F,S	**ME EN 3230‡** Mechatronics 4hr L F,S	Gen. Ed. Req.	Gen. Ed. Req.
ME EN 1020 Appl Ethics & Prof for MechE 1hr F,S	**PHYS 2210** Physics I 4hr F,S,Su*	**PHYS 2220** Physics II 4hr F,S,Su*	**ME EN 2300** Thermo 3hr F,S, Su*	**ME EN 3710** Fluid Mechanics 3hr F,S, Su*	**ME EN 3650** Heat Transfer 3hr F,S, Su*	**ME EN 4650** TFES Lab 3hr L F,S	Gen. Ed. Req.
MATH 1310 Engineering Calculus I 4hr F,S	**MATH 1320** Engineering Calculus II 4hr F,S,Su*	**MATH 2250** ODEs & Linear Algebra 4hr F,S,Su*	**MATH 3140** Vector Calculus/ PDEs 4hr F,S,Su*	**ME EN 2550^** Probability & Statistics 3hr F,S, Su*			

Co-requisite, Prerequisite
CATALOG #### Course Title 4hr L F,S,Su* — Gen. Ed. Course
Concurrent, Subsequent

Requires Full Major Status

L = Lab Included
F = Fall
S = Spring
Su* = Summer (tentative)

Admissions

- ❑ Apply to U of U
- ❑ Be ready to take Calc I or higher
- ❑ Be offered full major status through the Dept. of Mechanical Engineering (see our website for more information).

Continuing Performance

- ❑ 2.5 cumulative U of U GPA
- ❑ Pre/co-reqs strictly enforced
- ❑ C or better in major courses
- ❑ One repeat per course (second grade counts, total number of repeats limited).

Graduation Requirements

- ❑ U of U BS requirements
- ❑ 2.5 cumulative U of U GPA
- ❑ C or better in major courses

General Education: Choose 6 courses that satisfy these 8 requirements:

WR2 FF BF DV♦
AI HF LS IR♦

Notes:
** Assumes 3 hrs per Gen. Ed. Req.
WRTG 1010 is a prerequisite for WRTG/ENGL 2010.
Credit for WRTG 1010 may be completed through challenge exam.

^MATH 3070 is an allowed substitute for ME EN 2550, but only recommended for students in the Data Science Emphasis

Disclaimer: Course availability and prerequisites subject to change. See catalog.utah.edu.

Notes: †Meets the CW (Communication/Upper Division Writing) requirement ‡ Meets the QI (Quantitative Intensive) requirement

Revised March 2024