# Mechanical Engineering 2025-26

mech.utah.edu/academics/undergraduate

| Year 1 | | Year 2 | | Year 3 | | Year 4 | |
|---|---|---|---|---|---|---|---|
| Fall (16 hrs) | Spring (15 hrs) | Fall (17 hrs) | Spring (17 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 → 2650 | **ME EN 1010** Comp Prob Solv for Eng Sys 4hr L F,S → 2450, 2550, 3220 | | **ME EN 2450 & 2455** Num Methods for Eng Sys 3+1hr F,S → 3220, 3710 | **ME EN 3400**† Professional Communication 3hr F,S, Su* → 4000, 4650 | **ME EN 3000** Design of Mech Elem 3hr F,S, Su* → 4000 | **ME EN 4000** Engineering Design I 3hr F,S → 4010 | **ME EN 4010** Engineering Design II 3hr F, S |
| **CHEM 1210** Chemistry 4hr F,S,Su* → CHEM 1215, MSE 2160 | | **MSE 2160** Materials Science 3hr F,S → 2650, 3000, 3310 | **ME EN 2550^** Probability & Statistics 3hr F,S, Su* → 3230, 4650 | **ME EN 3310** Mechanics of Materials 3hr F,S → 3000, 4000 | 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* → 2030, 2650, 3310 | **ME EN 2030** Dynamics 3hr F,S,Su* → 3220, 3710 | **ME EN 2650** Manufacturing for Eng Sys 3hr L F,S → 3000, 3230 | **ME EN 3315** Mechanics of Materials Lab 1hr L F,S → 3000, 4000 | **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 → 3220 | **ME EN 2655** Manufact Lab 1hr L F,S → 3000, 3230 | **ME EN 3220**‡ Dyn Sys & Control 3hr F,S → 3230, 4000 | **ME EN 3230**‡ Mechatronics 4hr L F,S → 4000 | 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* → 1010, 2010, 2030, 2300, MATH 2250, PHYS 2220 | **PHYS 2220** Physics II 4hr F,S,Su* → ECE 2210 | **ME EN 2300** Thermo 3hr F,S, Su* → 3650, 3710, 4650, 4000 | **ME EN 3710** Fluid Mechanics 3hr F,S, Su* → 3650, 4000, 4650 | **ME EN 3650** Heat Transfer 3hr F,S, Su* → 4000, 4650 | **ME EN 4650** TFES Lab 3hr L F,S | Gen. Ed. Req. |
| **MATH 1210** Calculus I 4hr F,S, Su* → 1000, 1010, 2010, PHYS 2210, MATH 1220 | **MATH 1220** Calculus II 4hr F,S,Su* → 2010, MSE 2160, PHYS 2220, MATH 2250 | **MATH 2250** ODEs & Linear Algebra 4hr F,S,Su* → 2030, 2300, 2450, 3310, 3650, 3710, ECE 2210, MATH 3150 | **MATH 2210** Calculus III 3hr F,S,Su* → 3310, 3650, 3710, MATH 3150 | **MATH 3150** PDEs 2hr F,S,Su* → 3230, 3650 | | | |

## Declare Your ME Major

Upon Application to the U
OR
After completing your first semester, upon evaluation

## 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

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)

**General Education:** Choose 7 courses that satisfy these 9 requirements:

WR1 WR2 FF BF DV♦ AI HF LS IR♦

WRTG 1010 is a prerequisite for WRTG/ENGL 2010.Credit for WRTG 1010 may be completed through challenge exam.

♦DV and IR can double count with an FF, HF, LS, or BF

† Meets the CW (Communication/Upper Division Writing) requirement

‡ Meets the QI (Quantitative Intensive) requirement

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

Course availability and prerequisites subject to change. See catalog.utah.edu Revised March 2025