Mechanical Engineering 2019-20

mech.utah.edu/academics

Admissions

- ❑ Apply to U of U
- ❑ Complete prereqs to Calculus I
- ❑ Be offered intermediate or full major status through the College of Engineering or the Dept. of Mechanical Engineering (see our website for more information).

Full Major Status

- ❑ Complete Year 1 technical courses (in bold)with 2.7 GPA or higher

Continuing Performance

- ❑ 2.5 cumulative U of U GPA
- ❑ Pre/co-reqs strictly enforced
- ❑ C or better in major courses (C- for students beginning the major at the U prior to Fall 2016)
- ❑ C or better in MATH courses
- ❑ One repeat per course (second grade counts)
- ❑ Upper division core GPA of 2.3

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 Intermediate Status

Requires Full Major Status

L = Lab Included

F = Fall

S = Spring

Su* = Summer (tentative)

** Assumes 3 hrs per Gen. Ed. Req.

General Education: Choose 8 courses that satisfy these 10 requirements:

WR2	FF	BF	HF	DV♦
AI	FF	BF	HF	IR♦

Year 1		Year 2		Year 3		Year 4	
Fall (15 hrs)**	Spring (17 hrs)**	Fall (17 hrs)**	Spring (16 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 1010, 2650	**ME EN 1010** Comp Prob Solv for Eng Sys 3hr L F,S 2450, 2550, 3220	**ME EN 2450** Num Methods for Eng Sys 3hr L F,S 3220, 3710	**ME EN 2650** Manufacturing for Eng Sys 3hr L F,S 3000, 3230	**ME EN 3400†** Professional Communication 3hr F,S, Su* 4000, 4650	**ME EN 3000** Design of Mech Elem 3hr F,S 4000	**ME EN 4000†** Engineering Design I 3hr F,S 4010	**ME EN 4010** Engineering Design II 3hr F, S
				ME EN 2300 Thermo 3hr F,S 3710, 3650, 4650, 4000	**ME EN 3710** Fluid Mechanics 3hr F,S 3650, 4000, 4650	**ME EN 3650** Heat Transfer 3hr F,S 4000, 4650	
CHEM 1210 Chemistry 4hr F,S,Su* CHEM 1215, MSE 2160	**PHYS 2210** Physics I 4hr F,S,Su* 1010, 2010, 2030, 3610 MATH 2250, PHYS 2220	**PHYS 2220** Physics II 4hr F,S,Su* ECE 2210	**ECE 2210** Electrical Engineering 3hr L F,S 3220	**ME EN 3220‡** Dyn Sys & Control 3hr F,S 3230, 4000	**ME EN 3230‡** Mechatronics 4hr L F,S 4000	**ME EN 4650** TFES Lab 3hr L F,S	**Tech Elective** 3hr
CHEM 1215 Chemistry Lab 1hr L F,S,Su*	**ME EN 2010** Statics 3hr F,S,Su* 2030, 2650, 3310	**MSE 2160** Materials Science 3hr F,S 2650, 3000, 3310	**ME EN 2030** Dynamics 3hr F,S,Su* 3220, 3710	**ME EN 3310** Mechanics of Materials 3hr F,S 3000, 4000	**Tech Elective** 3hr	**Tech Elective** 3hr	**Tech Elective** 3hr
MATH 1310 Engineering Calculus I 4hr F,S 1000, 1010, 2010, PHYS 2210, MATH 1320	**MATH 1320** Engineering Calculus II 4hr F,S,Su* 2010, MSE 2160, PHYS 2220, MATH 2250	**MATH 2250** ODEs & Linear Algebra 4hr F,S,Su* 2030, 2450, 3310, 3710, 4610, ECE 2210, MATH 3140	**MATH 3140** Vector Calculus/ PDEs 4hr 3310, 3710, 4610	**ME EN 3315** Mechanics of Materials Lab 1hr L F,S 3000, 4000			**Gen. Ed. Req.**
Gen. Ed. Req. **WRTG 2010** Recommended in first year	**Gen. Ed. Req.**	**Gen. Ed. Req.**	**ME EN 2550** Probability & Statistics 3hr F,S, Su* 3230, 4650	**Gen. Ed. Req.**	**Gen. Ed. Req.**	**Gen. Ed. Req.**	**Gen. Ed. Req.**

Disclaimer: Course availability and prerequisites subject to change. See catalog.utah.edu. Revised 9/3/2021

Notes: ♦DV and IR can double count with an FF, HF or BF †Meets the CW (Upper Division Writing) requirement ‡ Meets the QI (Quantitative Intensive) requirement