Mechanical Engineering 2016-17

mech.utah.edu/academics

Admissions

- ❑ Apply to U of U
- ❑ Complete prereqs to Calculus I
- ❑ Be offered admission to the College of Engineering (freshmen) or apply to Mechanical Eng. Dept. (current and transfer students)
- ❑ Accept admissions offer to receive Intermediate/Full Major Status

Full Major Status

- ❑ Complete Year 1 technical courses 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 prior to Fall 2016)
- ❑ C or better in prereqs for MATH
- ❑ One repeat per course (second grade counts)

Graduation Requirements

- ❑ U of U BS requirements
- ❑ 2.5 cumulative U of U GPA
- ❑ C or better in major courses (C- for students beginning the major prior to Fall 2016)

Other

- ❑ FE Exam recommended (not req.)

Co-requisite, Prerequisite

CATALOG #### Course Title 4hr L F,S,Su*

2.7 or higher cum. GPA required for Full Major Status

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

Department of MECHANICAL ENGINEERING THE UNIVERSITY OF UTAH

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)**
MATH 1310 **ME EN 1000** Intro to Design for Eng Sys 3hr L F,S 1010, 2650	1000, PHYS 2210, MATH 1310 **ME EN 1010** Comp Prob Solv for Eng Sys 3hr L F,S 2450, 2550, 3220	1010, MATH 2250 **ME EN 2450** Num Methods for Eng Sys 3hr L F,S 3220, 3710	1000, 2010, MSE 2160 **ME EN 2650** Manufacturing for Eng Sys 3hr L F,S 3230	3300 or 3230, WRTG 2010 **ME EN 3400** Technical Communication 3hr 4000, 4650	2650, 3300, MSE 2160 **ME EN 3000** Design of Mech Elem 3hr F,S 4000	3000, 3220, 3230, 3300, 3400, 3610, 3710, 4610 **ME EN 4000** Senior Design I 3hr F,S 4010	4000 **ME EN 4010** Senior Design II 3hr F, S
				MATH 3140, PHYS 2210 **ME EN 3610** Thermo 3hr F,S 3710, 4610, 4650, 4000	2030, 2450, 3610, MATH 2250 & 3140 **ME EN 3710** Fluid Mechanics 3hr F,S 4000, 4610, 4650	3610, 3710, MATH 2250 & 3140 **ME EN 4610** Heat Transfer 3hr F,S 4000, 4650	
MATH 1050 or MATH 1080 **CHEM 1210** Chemistry 4hr CHEM 1215, MSE 2160	MATH 1310 **PHYS 2210** Physics I 4hr 1010, 2010, 2030, 3610 MATH 2250, PHYS 2220	PHYS 2210, MATH 1320 **PHYS 2220** Physics II 4hr ECE 2210	PHYS 2220, MATH 2250 **ECE 2210** Electrical Engineering 3hr L F,S 3220	1010, 2030, 2450, ECE 2210, MATH 2250 **ME EN 3220** Dyn Sys & Control 3hr F,S 3230, 4000	2550, 2650, 3220, MATH 3140 **ME EN 3230** Mechatronics 4hr L F,S 4000	2550, 3400, 3610, 3710, 4610 **ME EN 4650** TFES Lab 3hr F,S	**Tech Elective** 3hr
CHEM 1210 **CHEM 1215** Chemistry Lab 1hr	MATH 1310 & 1320 PHYS 2210 **ME EN 2010** Statics 3hr F,S,Su* 2030, 2650, 3300	CHEM 1210, MATH 1310 **MSE 2160** Materials Science 3hr F,S 2650, 3000, 3300	2010, PHYS 2210, MATH 2250 **ME EN 2030** Dynamics 3hr F,S,Su* 3220, 3710	2010, MSE 2160, MATH 2250 & 3140 **ME EN 3300** Strengths 4hr L F,S 3000, 4000	**Tech Elective** 3hr	**Tech Elective** 3hr	**Tech Elective** 3hr
MATH (1050&1060) or MATH 1080 **MATH 1310** Engineering Calculus I 4hr 1000, 1010, 2010, PHYS 2210, MATH 1320	MATH 1310 **MATH 1320** Engineering Calculus II 4hr 2010, 3610, MSE 2160, PHYS 2220, MATH 2250	MATH 1320 **MATH 2250** ODEs & Linear Algebra 4hr 2030, 2450, 3300, 3710, 4610, ECE 2210, MATH 3140	MATH 1320 & 2250 **MATH 3140** Vector Calculus/ PDEs 4hr 3300, 3610, 3710, 4610				**Gen. Ed. Req.**
Gen. Ed. Req. **WRTG 2010** recommended	**Gen. Ed. Req.**	**Gen. Ed. Req.**	1010, MATH 1320 **ME EN 2550** Statistics 3hr F,S 3230, 4650	**Gen. Ed. Req.**	**Gen. Ed. Req.**	**Gen. Ed. Req.**	**Gen. Ed. Req.**

Revised 6/9/2016