

Mechanical Engineering 2023-24 mech.utah.edu/academics		Year 1		Year 2		Year 3		Year 4	
		Fall (15 hrs)**	Spring (17 hrs)**	Fall (17 hrs)**	Spring (15 hrs)	Fall (15 hrs)	Spring (16 hrs)**	Fall (15 hrs)**	Spring (18 hrs)**
Admissions ☐ Apply to U of U ☐ Complete prereqs to Calculus I ☐ Be offered full major status through the the Dept. of Mechanical Engineering (see our website for more details). 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) ☐ 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 *** MATH 1215 will meet the same prerequisites as MATH 1210 ^ MATH 3070 is an allowed substitute for ME EN 2550, but only recommended for students in the Data Science Emphasis		MATH 1210 ME EN 1000 Intro to Design for Eng Sys 3hr L F,S 1010, 2650	1000, PHYS 2210, MATH 1210 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 3000, 3230	HON 2211/WRTG 2010, ME EN 3xxx ME EN 3400+ Professional Communication 3hr F,S, Su* 4000, 4650	2650, 3310, 3315, MSE 2160 ME EN 3000 Design of Mech Elem 3hr F,S, Su* 4000	2300, 3000, 3220, 3230, 3310, 3315, 3400, 3650, 3710, 4650 ME EN 4000+ Engineering Design I 3hr F,S 4010	4000 ME EN 4010 Engineering Design II 3hr F,S
		MATH 1050 or MATH 1080 CHEM 1210 Chemistry 4hr F,S,Su* CHEM 1215, MSE 2160	MATH 1210 & 1220, PHYS 2210 ME EN 2010 Statics 3hr F,S,Su* 2030, 2650, 3310	CHEM 1210, MATH 1210 MSE 2160 Materials Science 3hr F,S 2650, 3000, 3310	MATH 2250, PHYS 2210 ME EN 2300 (formerly 3610) Thermo 3hr F,S, Su* 3650, 3710, 4650, 4000	2030, 2300, 2450, MATH 2250 & 2210 ME EN 3710 Fluid Mechanics 3hr F,S, Su* 3650, 4000, 4650	2300, 3710, MATH 2250 & 2210 & 3150 ME EN 3650 or 4610 Heat Transfer 3hr F,S, Su* 4000, 4650	2300, 2550, 3400, 3710, 3650 ME EN 4650 TFES Lab 3hr F,S 4000	Tech Elective Honors Thesis ME EN 4999 3hr
		CHEM 1210 CHEM 1215 Chemistry Lab 1hr F,S,Su*	Gen. Ed. Req. HONOR 2211 Recommended in first year	2010, PHYS 2210, MATH 2250 ME EN 2030 Dynamics 3hr F,S,Su* 3220, 3710		2010, MSE 2160, MATH 2250 & 2210 ME EN 3310 Mechanics of Materials 3hr F,S 3000, 4000	Tech Elective Honors Elec. ME EN 5000/6000 3hr	Tech Elective Honors Elec. ME EN 5000/6000 3hr	Tech Elective Honors Elec. ME EN 5000/6000 3hr
		HONORS Learning Community 0-2hr	HONORS Learning Community 0-1hr		1010, MATH 1220 ME EN 2550^ Probability & Statistics 3hr F,S, Su* 3230, 4650	ME EN 3310 ME EN 3315 Mechanics of Materials 1hr F,S 3000, 4000	Honors IT HF	Gen. Ed. Req.	Gen. Ed. Req.
Co-requisite, Prerequisite CATALOG ##### Course Title 4hr L F,S,Su* Concurrent, Subsequent Requires Full Major Status L = Lab Included F = Fall S = Spring Su* = Summer (tentative) ** Assumes 3 hrs per Gen. Ed. Req.		Honors IT HF	MATH 1210 PHYS 2210 Physics I 4hr F,S,Su* 1010, 2010, 2030, 2300, MATH 2250, PHYS 2220	PHYS 2210, MATH 1220 PHYS 2220 Physics II 4hr F,S,Su* 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 3150 ME EN 3230‡ Mechatronics 4hr L F,S 4000	Gen. Ed. Req.	Gen. Ed. Req.
		MATH (1050&1060) or MATH 1080 MATH 1210 *** Calculus I 4hr F,S,Su* 1000, 1010, 2010, PHYS 2210, MATH 1220, MSE 2160	MATH 1210 MATH 1220 Calculus II 4hr F,S,Su* 2010, 2550, PHYS 2220, MATH 2210, 2250	(MATH 1220 & PHYS 2210) or MATH 2210 MATH 2250 ODEs & Linear Algebra 4hr F,S,Su* 2030, 2300, 2450, 3220, 3310, 3650, 3710, ECE 2210, MATH 3150	MATH 1220 MATH 2210 Calculus III 3hr F,S,Su* 3310, 3650, 3710, MATH 3150	MATH 2210 & 2250 MATH 3150 PDEs 2hr F,S,Su* 3230, 3650		Gen. Ed. Req.	
		General Education: Choose 8 courses that satisfy these 10 requirements: WR2 FF BF HF DV♦ AI FF BF HF IR♦							
Disclaimer: Course availability and prerequisites subject to change. See catalog.utah.edu.									