

Mechanical Engineering 2021-22 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)**	
<b>Admissions</b> <input type="checkbox"/> Apply to U of U <input type="checkbox"/> Complete prereqs to Calculus I <input type="checkbox"/> Be offered full major status through the the Dept. of Mechanical Engineering (see our website for more details).  <b>Continuing Performance</b> <input type="checkbox"/> 2.5 cumulative U of U GPA <input type="checkbox"/> Pre/co-reqs strictly enforced <input type="checkbox"/> C or better in major courses (C-for students who began the major at the U prior to Fall 2016) <input type="checkbox"/> C or better in MATH courses <input type="checkbox"/> One repeat per course (second grade counts) <input type="checkbox"/> Upper division core GPA of 2.3  <b>Graduation Requirements</b> <input type="checkbox"/> U of U BS requirements <input type="checkbox"/> 2.5 cumulative U of U GPA <input type="checkbox"/> C or better in major courses  *** MATH 1215 will meet the same prerequisites as MATH 1210	MATH 1210 <b>ME EN 1000</b> Intro to Design for Eng Sys 3hr L F,S 1010, 2650	1000, PHYS 2210, MATH 1210 <b>ME EN 1010</b> Comp Prob Solv for Eng Sys 3hr L F,S 2450, 2550, 3220	1010, MATH 2250 <b>ME EN 2450</b> Num Methods for Eng Sys 3hr L F,S 3220, 3710	1000, 2010, MSE 2160 <b>ME EN 2650</b> Manufacturing for Eng Sys 3hr L F,S 3000, 3230	WRTG 2010 <b>ME EN 3400+</b> Professional Communication 3hr F,S, Su* 4000, 4650	2650, 3310, 3315, MSE 2160 <b>ME EN 3000</b> Design of Mech Elem 3hr F,S, Su* 4000	2300, 3000, 3220, 3230, 3310, 3315, 3400, 3650, 3710, 4650 <b>ME EN 4000+</b> Engineering Design I 3hr F,S 4010	4000 <b>ME EN 4010</b> Engineering Design II 3hr F,S	
	MATH 1050 or MATH 1080 <b>CHEM 1210</b> Chemistry 4hr F,S,Su* CHEM 1215, MSE 2160		CHEM 1210, MATH 1210 <b>MSE 2160</b> Materials Science 3hr F,S 2650, 3000, 3310	MATH 2250, PHYS 2210 <b>ME EN 2300</b> (formerly 3610) Thermo 3hr F,S, Su* 3650, 3710, 4650, 4000	2030, 2300, 2450, MATH 2250 & 2210 <b>ME EN 3710</b> Fluid Mechanics 3hr F,S, Su* 3650, 4000, 4650	2300, 3710, MATH 2250 & 2210 & 3150 <b>ME EN 3650 or 4610</b> Heat Transfer 3hr F,S, Su* 4000, 4650	2300, 2550, 3400, 3710, 3650 <b>ME EN 4650</b> TFES Lab 3hr F,S 4000		<b>Tech Elective</b> 3hr
	CHEM 1210 <b>CHEM 1215</b> Chemistry Lab 1hr F,S,Su*	MATH 1210 & 1220, PHYS 2210 <b>ME EN 2010</b> Statics 3hr F,S,Su* 2030, 2650, 3310	2010, PHYS 2210, MATH 2250 <b>ME EN 2030</b> Dynamics 3hr F,S,Su* 3220, 3710		2010, MSE 2160, MATH 2250 & 2210 <b>ME EN 3310</b> Mechanics of Materials 3hr F,S 3000, 4000	<b>Tech Elective</b> 3hr	<b>Tech Elective</b> 3hr	<b>Tech Elective</b> 3hr	
	<b>Gen. Ed. Req.</b> <b>WRTG 2010</b> Recommended in first year	<b>Gen. Ed. Req.</b>		<b>ME EN 2550</b> Probability & Statistics 3hr F,S, Su* 3230, 4650	<b>ME EN 3315</b> Mechanics of Materials 1hr F,S 3000, 4000	<b>Gen. Ed. Req.</b>	<b>Gen. Ed. Req.</b>	<b>Gen. Ed. Req.</b>	
	Co-requisite, Prerequisite <b>CATALOG #####</b> 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) ** Assumes 3 hrs per Gen. Ed. Req.		MATH 1210 <b>PHYS 2210</b> Physics I 4hr F,S,Su* 1010, 2010, 2030, 2300, MATH 2250, PHYS 2220	PHYS 2210, MATH 1220 <b>PHYS 2220</b> Physics II 4hr F,S,Su* <b>ECE 2210</b>	PHYS 2220, MATH 2250 <b>ECE 2210</b> Electrical Engineering 3hr L F,S 3220	1010, 2030, 2450, ECE 2210, MATH 2250 <b>ME EN 3220‡</b> Dyn Sys & Control 3hr F,S 3230, 4000	2550, 2650, 3220, MATH 3150 <b>ME EN 3230‡</b> Mechatronics 4hr L F,S 4000	<b>Gen. Ed. Req.</b>	<b>Gen. Ed. Req.</b>
<b>General Education: Choose 8 courses that satisfy these 10 requirements:</b> WR2 FF BF HF DV♦ AI FF BF HF IR♦	MATH (1050&1060) or MATH 1080 <b>MATH 1210</b> *** Calculus I 4hr F,S,Su* 1000, 1010, 2010, PHYS 2210, MATH 1220, MSE 2160	MATH 1210 <b>MATH 1220</b> Calculus II 4hr F,S,Su* 2010, 2550, PHYS 2220, MATH 2210, 2250	(MATH 1220 & PHYS 2210) or MATH 2210 <b>MATH 2250</b> ODEs & Linear Algebra 4hr F,S,Su* 2030, 2300, 2450, 3220, 3310, 3650, 3710, ECE 2210, MATH 3150	MATH 1220 <b>MATH 2210</b> Calculus III 3hr F,S,Su* 3310, 3650, 3710, MATH 3150	MATH 2210 & 2250 <b>MATH 3150</b> PDEs 2hr F,S,Su* 3230, 3650		<b>Gen. Ed. Req.</b>		

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