


Mechanical Engineering 2017-18 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 admission to the College of Engineering (freshmen Fall 2016 or later) or apply to Mechanical Eng. Dept. (UofU freshmen prior to Fall 2016 and transfer students) <input type="checkbox"/> Accept admissions offer to receive Intermediate/Full Major Status  <b>Full Major Status</b> <input type="checkbox"/> Complete Year 1 technical courses with 2.7 GPA or higher  <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 (C- for students who began the major at the U prior to Fall 2016)									
	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 3230	3300 or 3230, WRTG 2010 <b>ME EN 3400†</b> Professional Communication 3hr F,S 4000, 4650	2650, 3300, MSE 2160 <b>ME EN 3000</b> Design of Mech Elem 3hr F,S 4000	3000, 3220, 3230, 3300, 3400, 3610, 3710, 4610, 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 CHEM 1215, MSE 2160	MATH 1210 <b>PHYS 2210</b> Physics I 4hr 1010, 2010, 2030, 3610, MATH 2250, PHYS 2220	PHYS 2210, MATH 1220 <b>PHYS 2220</b> Physics II 4hr ECE 2210	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	2030, 2450, 3610, MATH 2250 & 2210 <b>ME EN 3710</b> Fluid Mechanics 3hr F,S 4000, 4610, 4650	3610, 3710, MATH 2250 & 2210 & 3150 <b>ME EN 4610</b> Heat Transfer 3hr F,S 4000, 4650	<b>Tech Elective</b> 3hr	
	CHEM 1210 <b>CHEM 1215</b> Chemistry Lab 1hr	MATH 1210 & 1220, PHYS 2210 <b>ME EN 2010</b> Statics 3hr F,S,Su* 2030, 2650, 3300	CHEM 1210, MATH 1220 <b>MSE 2160</b> Materials Science 3hr F,S 2650, 3000, 3300	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 3300</b> Strength of Materials 4hr L F,S 3000, 4000	<b>Tech Elective</b> 3hr	<b>Tech Elective</b> 3hr	<b>Gen. Ed. Req.</b>	
MATH (1050&1060) or MATH 1080 <b>MATH 1210</b> Calculus I 4hr 1000, 1010, 2010, PHYS 2210, MATH 1220	MATH 1210 <b>MATH 1220</b> Calculus II 4hr 2010, 3610, MSE 2160, PHYS 2220, MATH 2250	(MATH 1220 & PHYS 2210) or MATH 2210 <b>MATH 2250</b> ODEs & Linear Algebra 4hr 2030, 2450, 3300, 3710, 4610, ECE 2210, MATH 3150	MATH 1220 <b>MATH 2210</b> Calculus III 3hr 3300, 3610, 3710, 4610, MATH 3150	MATH 2210 & 2250 <b>MATH 3150</b> PDEs 2hr 3230, 4610			<b>Gen. Ed. Req.</b>		
Co-requisite, Prerequisite CATALOG ##### Course Title 4hr L F,S,Su* 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.	<b>Gen. Ed. Req.</b> <b>WRTG 2010</b> Recommended in first year	<b>Gen. Ed. Req.</b>	<b>Gen. Ed. Req.</b>	1010, MATH 1220 <b>ME EN 2550</b> Probability & Statistics 3hr F,S, Su* 3230, 4650	<b>Gen. Ed. Req.</b>	<b>Gen. Ed. Req.</b>	<b>Gen. Ed. Req.</b>	<b>Gen. Ed. Req.</b>	
<b>General Education:</b> Choose 8 courses that satisfy these 10 requirements: WR2 FF BF HF DV* AI FF BF HF IR*									