


Mechanical Engineering 2018-19 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 <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 Full Major Status <input type="checkbox"/> Complete Year 1 technical courses with 2.7 GPA or higher Continuing Performance <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 Graduation Requirements <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 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 3230	WRTG 2010 ME EN 3400† Professional Communication 3hr F,S, Su* 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, 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 CHEM 1215, MSE 2160	MATH 1210 PHYS 2210 Physics I 4hr 1010, 2010, 2030, 3610, MATH 2250, PHYS 2220	PHYS 2210, MATH 1220 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	2030, 2450, 3610, MATH 2250 & 2210 ME EN 3710 Fluid Mechanics 3hr F,S 4000, 4610, 4650	3610, 3710, MATH 2250 & 2210 & 3150 ME EN 4610 Heat Transfer 3hr F,S 4000, 4650	Tech Elective 3hr	
	CHEM 1210 CHEM 1215 Chemistry Lab 1hr	MATH 1210 & 1220, PHYS 2210 ME EN 2010 Statics 3hr F,S,Su* 2030, 2650, 3300	CHEM 1210, MATH 1210 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 & 2210 ME EN 3300 Strength of Materials 4hr L F,S 3000, 4000	Tech Elective 3hr	Tech Elective 3hr	Gen. Ed. Req.	
MATH (1050&1060) or MATH 1080 MATH 1210 Calculus I 4hr 1000, 1010, 2010, PHYS 2210, MATH 1220, MSE 2160	MATH 1210 MATH 1220 Calculus II 4hr 2010, PHYS 2220, MATH 2250	(MATH 1220 & PHYS 2210) or MATH 2210 MATH 2250 ODEs & Linear Algebra 4hr 2030, 2450, 3300, 3710, 4610, ECE 2210, MATH 3150	MATH 1220 MATH 2210 Calculus III 3hr 3300, 3710, 4610, MATH 3150	MATH 2210 & 2250 MATH 3150 PDEs 2hr 3230, 4610			Gen. Ed. Req.		
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.	Gen. Ed. Req. WRTG 2010 Recommended in first year	Gen. Ed. Req.	Gen. Ed. Req.	1010, MATH 1220 ME EN 2550 Probability & Statistics 3hr F,S, Su* 3230, 4650	Gen. Ed. Req.	Gen. Ed. Req.	Gen. Ed. Req.	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. Revised 10/24/2018

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