

Mechanical Engineering 2015-16 mech.utah.edu/academics	Year 1		Year 2		Year 3		Year 4	
	Fall (15 hrs)**	Spring (15 hrs)	Fall (17 hrs)**	Spring (15 hrs)	Fall (15.5 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"/> Apply to Mechanical Eng. Dept. <input type="checkbox"/> Accept admissions offer to receive Intermediate/Full Major Status Status <input type="checkbox"/> Complete Year 1 technical courses with 2.7 GPA or higher <input type="checkbox"/> Meet with advisor 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 <input type="checkbox"/> C or better in prereqs for MATH <input type="checkbox"/> One repeat per course (second grade counts) Graduation Requirements <input type="checkbox"/> U of U BS requirements <input type="checkbox"/> 2.5 cumulative U of U GPA <input type="checkbox"/> 2.0 cumulative GPA in sequences (Math, Solid Mechanics, Thermal-Fluids, Mechatronics) <input type="checkbox"/> C- or better in major courses Other <input type="checkbox"/> FE exam is recommended but no longer required for graduation <input type="checkbox"/> Emphasis is optional	MATH 1210 ME EN 1000 Intro to Design for Eng Sys 3hr L F,S 1010, 2650	1000, MATH 1210, PHYS 2210 ME EN 1010 Comp Prob Solv for Eng Sys 3hr L F,S 2450, 3200	1010, MATH 2250 ME EN 2450 Num Methods for Eng Sys 3hr L F,S 3200, 3650, 3700	1000, 1300, MSE 2160 ME EN 2650 Manufacturing for Eng Sys 3hr L F,S 3000	ME EN 3900 Seminar 0.5hr F 2300	2650, 3300, MSE 2160 ME EN 3000 Design of Mech Elem 3hr F,S 4000	3000, 3210, 3300, 3600, 3650, 3700 ME EN 4000 Senior Design I 3hr F,S 4010	4000 ME EN 4010 Senior Design II 3hr F,S
	Gen. Ed. Req. WRTG 2010 recommended		Gen. Ed. Req.		ME EN 3600 Thermo II 3hr L F,S 4000	Tech Elective 3hr	Tech Elective 3hr	Tech Elective 3hr
				MATH 1220, PHYS 2210 ME EN 2300 Thermo I 2hr F,S,Su* 3600, 3650, 3700	2080, 2300, 2450, MATH 2210 & 2250 ME EN 3700 Fluid Mechanics 4hr L F,S 3650, 4000	2300, 2450, 3700, MATH 3150 ME EN 3650 Heat Transfer 4hr L F,S 4000		Tech Elective 3hr
	MATH 1050 or MATH 1080 CHEM 1210 Chemistry 4hr CHEM 1215, MSE 2160	MATH 1210 & 1220, PHYS 2210 ME EN 1300 Statics & Strengths 4hr F,S,Su* 2080, 2650, 3300	CHEM 1210, MATH 1220 MSE 2160 Materials Science 3hr F 2650, 3000, 3300	1300, PHYS 2210, MATH 2250 ME EN 2080 Dynamics 4hr F,S,Su* 3200, 3700	1300, MSE 2160, MATH 2250 & 2210 ME EN 3300 Strengths II 4hr L F,S 3000, 4000		Gen. Ed. Req.	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.	CHEM 1210 CHEM 1215 Chemistry Lab 1hr	MATH 1210 PHYS 2210 Physics I 4hr 1010, 1300, 2080, 2300, 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 3200	1010, 2080, 2450, ECE 2210 ME EN 3200 Mechatronics I 4hr L F,S 3210	3200 ME EN 3210 Mechatronics II 4hr L F,S 4000	Gen. Ed. Req.	Gen. Ed. Req.
	MATH (1050&1060) or MATH 1080 MATH 1210 Calculus I 4hr 1000, 1010, 1300, PHYS 2210, MATH 1220	MATH 1210 MATH 1220 Calculus II 4hr 1300, MSE 2160, PHYS 2220, 2300, MATH 2250 & 2210	(MATH 1220 & PHYS 2210) or MATH 2210 MATH 2250 ODEs & Linear Algebra 4hr 2080, 2450, 3300, 3700, ECE 2210, MATH 3150	MATH 1220 MATH 2210 Calculus III 3hr 3300, 3700, MATH 2250 & 3150		MATH 2210 & 2250 MATH 3150 PDEs 2hr 3650	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								