

Year 1		Year 2		Year 3		Year 4		Year 5	
Fall (12 hrs)	Spring (14 hrs)	Fall (14 hrs)**	Spring (12 hrs)**	Fall (12 hrs)**	Spring (12 hrs)**	Fall (12 hrs)**	Spring (13 hrs)**	Fall (12 hrs)**	Spring (15 hrs)**
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	2010, PHYS 2210, MATH 2250 ME EN 2030 Dynamics 3hr F,S,Su* 3220, 3710	1000, 2010, MSE 2160 ME EN 2650 Manufacturing for Eng Sys 3hr L F,S 3000, 3230	2010, 3315, MSE 2160, MATH 2250 & 2210 ME EN 3310 & 3315 Mechanics of Materials & Lab 3hr+1hr L F,S 3000, 4000	WRTG 2010 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 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 1310 PHYS 2210 Physics I 4hr F,S,Su* 1010, 2010, 2030, 2300, MATH 2250, PHYS 2220	PHYS 2210, MATH 1320 PHYS 2220 Physics II 4hr F,S,Su* ECE 2210	CHEM 1210, MATH 1310 MSE 2160 Materials Science 3hr F,S 2650, 3000, 3310	PHYS 2220, MATH 2250 ECE 2210 Electrical Engineering 3hr L F,S 3220	MATH 2250, PHYS 2210 ME EN 2300 Thermo 3hr F,S 3650, 3710, 4650, 4000	2030, 2450, 2300, MATH 2250 & 2210 ME EN 3710 Fluid Mechanics 3hr F,S 3650, 4000, 4650	2300, 3710, MATH 2250 & 3150 ME EN 3650 Heat Transfer 3hr F,S 4000, 4650	2550, 3400, 2300, 3710, 3650 ME EN 4650 TFES Lab 3hr L F,S 4000	Tech Elective 3hr
CHEM 1210 CHEM 1215 Chemistry Lab 1hr L F,S,Su*	Gen. Ed. Req. WRTG 2010 Recommended in first year	MATH 1310 & 1220, PHYS 2210 ME EN 2010 Statics 3hr F,S,Su* 2030, 2650, 3310	Gen. Ed. Req.	Gen. Ed. Req.	Gen. Ed. Req.	Gen. Ed. Req.	Gen. Ed. Req.	Gen. Ed. Req.	Tech Elective 3hr
MATH (1050&1060) or MATH 1080 MATH 1210 Calculus I 4hr F,S 1000, 1010, 2010, PHYS 2210, MATH 1220	MATH 1220 MATH 1220 Calculus II 4hr F,S,Su* PHYS 2220, MATH 2250	MATH 2210 OR MATH 1220 & PHYS 2210 MATH 2250 Diff Eqs & 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, 3710, 3650	1010, MATH 1220 ME EN 2550 Probability & Statistics 3hr F,S 3230, 4650	MATH 2210 & 2250 MATH 3150 PDEs 2hr F,S,Su* 3230, 3650	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	Tech Elective 3hr	Tech Elective 3hr

Flowchart Key, Graduation Requirements, and Department of Mechanical Engineering Policies

<p>Co-requisite, Prerequisite</p> <p>CATALOG ##### Course Title 4hr L F,S,Su*</p> <p>Concurrent, Subsequent</p> <p>Requires Full Major Status</p> <p>L = Lab Included F = Fall S = Spring Su* = Summer (tentative)</p> <p>** Assumes 3 hrs per Gen. Ed. Req.</p>	<p>General Education Requirements:</p> <p>WR2 FF BF HF AI FF BF HF</p>	<p>Bachelor Degree Requirements:</p> <p>DV♦ IR♦ CW† 2-Q‡</p>	<p>Admission</p> <ul style="list-style-type: none"> Apply and be accepted to the U of U Complete prereqs to Calculus I Be offered Full Major Status by the Dept. of Mechanical Engineering (process varies depending if you're a new freshman, a current Uof U student or a transfer student; see our website for more information) Students enrolled in Calculus I or higher may enroll in ME EN 1000 without Full Major Status in Mechanical Engineering. Students must have Full Major Status in order to take most other ME EN courses. 	<p>Continuing Performance</p> <ul style="list-style-type: none"> 2.5 cumulative U of U GPA Pre/co-reqs strictly enforced C or better in major courses (C- for students beginning the major at the U prior to Fall 2016) C or better in MATH courses One repeat per course (second grade counts) Upper division core GPA of 2.3 <p>Graduation Requirements</p> <ul style="list-style-type: none"> U of U BS requirements 2.5 cumulative U of U GPA C or better in major courses
	<p>Gen Ed and Bachelor Degree Requirement Notes:</p> <ul style="list-style-type: none"> ♦ DV and IR can double count with an FF, HF or BF † ME EN 3400 meets the CW (Upper Division Writing) requirement ‡ ME EN 3220 & 3230 meet the QI (Quantitative Intensive) requirement 			

