

Year 1		Year 2		Year 3		Year 4		Year 5	
Fall (12 hrs)	Spring (14 hrs)	Fall (14 hrs)**	Spring (13 hrs)**	Fall (12 hrs)**	Spring (13 hrs)**	Fall (13 hrs)**	Spring (12 hrs)**	Fall (12 hrs)**	Spring (12 hrs)**
MATH 1310 ME EN 1000 Intro to Design for Eng Sys 3hr ↓ F,S 1010, 2650	1000, PHYS 2210, MATH 1310 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 & 3140 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	3000, 3220, 3230, 3310, 3315, 3400, 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 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 3710, 4610, 4650, 4000	2030, 2450, 2300, MATH 2250 & 3140 ME EN 3710 Fluid Mechanics 3hr F,S 4000, 4610, 4650	2300, 3710, MATH 2250 & 3140 ME EN 4610 Heat Transfer 3hr F,S 4000, 4650	2300, 2550, 3400, 3710, 4610 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 & 1320, 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.	Gen. Ed. Req.
MATH (1050&1060) or MATH 1080 MATH 1310 Engineering Calculus I 4hr F,S 1000, 1010, 2010, PHYS 2210, MATH 1320	MATH 1310 MATH 1320 Engineering Calculus II 4hr F,S,Su* 2010, MSE 2160, PHYS 2220, MATH 2250, 3140	MATH 1320 MATH 2250 Diff Eqs & Linear Algebra 4hr F,S,Su* 2030, 2450, 3220, 3310, 2300, 3710, 4610, ECE 2210, MATH 3140	MATH 1320 & 2250 MATH 3140 Vector Calculus/PDEs 4hr F,S,Su* 3310, 3710, 4610	1010, MATH 1320 ME EN 2550 Probability & Statistics 3hr F,S 3230, 4650	1010, 2030, 2450, ECE 2210, MATH 2250 ME EN 3220‡ Dyn Sys & Control 3hr F,S 3230, 4000	2550, 2650, 3220, MATH 3140 ME EN 3230‡ Mechatronics 4hr L F,S 4000	Tech Elective 3hr	Tech Elective 3hr	Tech Elective 3hr

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

<p>Co-requisite, Prerequisite CATALOG ##### Course Title 4hr L F,S,Su* — Gen. Ed. Course 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>	General Education Requirements: WR2 FF BF HF AI FF BF HF	Bachelor Degree Requirements: DV♦ IR♦ CW† 2-Q‡	Admission <input type="checkbox"/> Apply and be accepted to the U of U <input type="checkbox"/> Complete prereqs to Calculus I <input type="checkbox"/> 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) <input type="checkbox"/> 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.	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 MATH courses <input type="checkbox"/> One repeat per course (second grade counts) <input type="checkbox"/> Upper division core GPA of 2.3
	Gen Ed and Bachelor Degree Requirement Notes: ♦ 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		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	