

Department of Mechanical Engineering
Bachelor of Science in Mechanical Engineering (470) Curriculum
Brigham Young University – Idaho

Freshman		Sophomore		Junior		Senior	
Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
	ME 142 Engr Comp I 3	ME 202 Strength of Matl 3	ME 280 ME Design I 3	ME 370 Mech Sys Des 3	ME 380 ME Design II 3	ME 480 ME Design III 3	ME 423 Heat Transfer 3
ME 172 Vis in Engr Des 3	ME 201 Statics 2	ME 204 Dynamics 3	ME 250 Material Science 3	ME 322 Thermal Sys 3	ME 360 Fluid Mech 3	ME 330 Engr Statistics 3	◆ME Emphasis Elect 3
ME 101 Intro to ME 1	ME 210 Electro-Mech I 2	ME 131 Mfg Proc I 3	ME 250L Materials Lab 1	ME 310 Electro-Mech II 2	◆ME Emphasis Elect 3	◆ME Emphasis Elect 3	◆ME Emphasis Elect 3
* FDMAT 112 Calculus I 4	Chem 105 College Chem 4	Math 215 Engr Math I 4	Math 316 Engr Math II 4	◆ME 299, 398 or 490 1	◆ME 299, 398 or 490 1		
■ Elective Credit 3			●ME Competency Exam	PH 223 Engr Physics 4	FDCNC 350 Found Capstone 2	FDMAT 108T 108 Test Out 1	
FDSci 101 Sci Found 2	FDEng 101 Reading/Writing 3		FDEng 201 Advanced Writing 3		FDAMF 101 American Found 3	Cul Awar 2	Cul Awar 3
◇ Eternal Truths 2	◇ Eternal Truths 2	◇ Eternal Truths 2	◇ Eternal Truths 2	◇ Eternal Truths 2		◇ Eternal Truths 2	◇ Eternal Truths 2
15	16	15	16	15	15	14	14

○ M.E. ◻ Support ◻ Foundation ◇ Religion ◇ Competency

Total Credit Hours
Catalog Year

120
2012/13

*Take Math 109 or FDMat 110 and Math 111 or high school equivalent as prerequisites to FDMAT112 to fulfill this requirement

■ If you did not take a physics class in high school it is recommended to take PH121 for this elective

◆ Choose a 12-14 credit area of emphasis.

◆ Students are encouraged to fill an internship (ME 398) during their off track.

● Competency Exam must be completed successfully prior to registration for upper division classes.