

Recommended Course Sequence for Mechanical Engineering

Updated 3/11/19 for the 2020 Catalog Year

	Semester-1	Semester-2		Semester-3	Semester-4		Semester-5	Semester-6		Semester-7	Semester-8
Engineering	ME 101 Intro Engr & Tech 1	ME 142 Engr Comp I 3	It is best to find employment related to your major every time you are off track	ME 202 Strengths of Mtls 3	ME 250 ^B Materials Science 3	ME 298 Internship (1 credit) ^C It is best to find employment related to your major every time you are off track	ME 305 Mechatronics I 3	ME 310 Mechatronics II 3	ME 398R Internship (1 credit) ^C It is best to find employment related to your major every time you are off track	ME 380 Product Design 3	ME 455 Exp. Design & Anal. 3
	ME 172 CAD 3	ME 201 Statics 3		ME 204 Dynamics 3	ME 280 Mechanical Design 3		ME 322 Thermodynamics 3	ME 342 Engr Comp II 3		ME 423 Heat Transfer 3	ME 480 Capstone Design 3
				ME 231 Mfg Processes I 2			ME 370 Machine Design 3	ME 360 Fluid Mechanics 3		Elective ^E Technical Elective 3	Elective ^E Technical Elective 3
				ME 231L Mfg Processes I Lab 1							
Math & Science	FDMAT 112 ^A Calculus I 4	CHEM 105 Chemistry I 3		MATH 215 Multi Var Calculus 4	MATH 316 Diff Eq and Lin Alg 4		MATH 330 Engr Statistics 3	PH 223 Engr Physics 4		GEOL 111 Physical Geology 3	
	PH 121 Physics I 3	CHEM 105L Chemistry Lab 1								OR BIO 180 Intro to Biology I 3	
GE	GE 101 College Success 1	FDENG 101 Write & Reason 3			FDENG 301 Advanced Writing 3					GE Elective ^D Art & Humanities 3	GE Elective ^D Social Science 3
	REL 275 Book of Mormon 2	REL 250 Jesus Christ 2		REL 225 Restoration 2	REL 200 Eternal Family 2		REL _____ Religion Elective 2	REL _____ Religion Elective 2			REL _____ Religion Elective 2
Elec.							Free Elective 1				
	14	15	0	15	15	1	15	15	1	15	14
	Total Credits = 120										

Notes:

- ^A To see the requirements for getting into FDMAT 112 go to [http://www.byui.edu/mathematics/placement-exam-\(aleks\)](http://www.byui.edu/mathematics/placement-exam-(aleks))
- ^B The Engineering Entrance Exam, which covers Statics and Strength of Materials concepts, is covered during the first two weeks of ME 250.
- ^C Two experiential credits are required for graduation. There are three experiential options available: ME 298 (Technical Internship -- usually done while off-track); ME 398R (Engineering Internship -- usually done while off-track); and ME 490 (Special Project -- usually done while on-track). It is good to obtain employment every time you are off-track. Technical or engineering employment can count for 298 or 398R internship credit if approved in advance by the department's internship coordinator.
- ^D See the university catalog for courses that can be taken to fill this requirement
- ^E See the university catalog for courses that can be taken to fill this requirement. Technical electives are not taught every semester. Students should use the Grad Planning tool in I-Plan to plan their courses, including their technical electives.