

MECHANICAL ENGINEERING DEPARTMENT - BS Degree Program

SUGGESTED GRADUATION PLAN - 2016-2017

Note: The Progress Report shows official requirements for each student

Course Key	
Course #	hrs
Course Title	
Prerequisites	
p:	prerequisite
c:	concurrent
*	GE's fulfilled

	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
University Core	First-Year Writing Requirement 3	American Heritage Requirement 3				Letters GE or Arts GE 3	Civilization 1 3	Civilization 2 3 *Arts or Letters
	Rel C 200 The Eternal Family 2	Rel C 225 Foundations of Restoration 2	Rel A 250 Jesus Christ and Everlasting Gospel 2		Rel A 275 Book of Mormon 2	Religion Elective 2	Religion Elective 2	Religion Elective 2
Major Requirements	Mechanical Engineering Professional Major (Acceptance Required)							
	Math 112 Calculus 1 <i>Math 110, 111</i> *QR & LL 4	Math 113 Calculus 2 <i>Math 112</i> 4	Math 302 Engr Math 1 <i>Math 113</i> 4	Math 303 Engr Math 2 <i>Math 302</i> 4	Stat 201 Statistics <i>Math 112</i> 3	Engr 316 Tech Writing <i>1st Yr Writing</i> *ADV WRI 3	MeEn 475 Capstone 1 <i>Preqs below</i> 3	MeEn 476 Capstone 2 <i>Preqs below</i> 3
	Phscs 121 Newtonian Mech <i>Math 112 p or c</i> *Phy Sci 3	Chem 105 General Chemistry <i>Math 110</i> *Phy Sci 4	Phscs 123 Waves, Optics, Thermo <i>Phscs 121, Math 112</i> 3	ECEn 301 Elem Elec Eng <i>Math 113</i> 3	MeEn 321 Thermodynamics <i>Phscs 123, Chem 105</i> 3	MeEn 312 Fluid Mech <i>MeEn 321</i> MeEn 362 Measurement <i>MeEn 335, Stat 201; Engl 316 p or c</i> 2	MeEn 340 Heat Transfer <i>MeEn 312</i> 3	Technical Elective 3
	MeEn 191 New Student Seminar 0.5	MeEn 101 Intro to ME/Statics <i>Phscs 121, Math 112</i> 3	CEEn 203 Mech of Materials <i>MeEn 101 or CEEn 103</i> 3	MeEn 273 Computing <i>Math 113, Math 302/314 p or c</i> 3	MeEn 330 Mechatronics <i>ECEn 301, MeEn 273</i> 3	MeEn 335 Dyn Systems <i>MeEn 273, CEEn 204 Math 303/334</i> 3	Technical Elective 3	Technical Elective 3
	Bio 100 Princ of Biology *Bio Sci 3		CEEn 204 Dynamics <i>MeEn 101 or CEEn 103</i> *Phy Sci 3	ME En 250 Materials Science <i>Chem 105</i> 3		MeEn 372 Mech Sys Des <i>CEEn 203, MeEn 250</i> 3	Technical Elective 3	
			EngT 231 Global Ldrshp *Soc Sci & GCA 3	MeEn 272 CAD 3	MeEn 382 Mfg Process <i>MeEn 250, MeEn 272</i> 3	MeEn 393 Professional Skills <i>Eng T 231</i> 1		
Credits	15.5	16.0	18.0	16.0	17.0	17.0	17.0	14.0 Total: 130.5

Applying to the Program

- Complete designated courses above or alternate courses listed on me.byu.edu
- Following completion of courses, submit application at me.byu.edu

Alternate Math Courses

- Math 313 - Linear Algebra
- Math 314 - Calc of Sev Variables
- Math 334 - Differential Equations

Envelope Classes

These courses have to be registered together.

Technical Elective Courses

- 4 courses (12 hrs) required
- At least 2 ME courses
- No duplicates of required courses
- 3 Credit-hr max in project classes
- List of approved TE's at me.byu.edu

Capstone Requirements

- Must be taken consecutive Fall/Winter semesters
- No more than apx. 30 hours left in the Major
- 475 pre-reqs: MeEn 382, MeEn 330/335, MeEn 372; MeEn 312/362 p or c; MeEn 393 p or c
- 476 pre-reqs: MeEn 312/362, MeEn 393, MeEn 475; MeEn 340 p or c.