

# MECHANICAL ENGINEERING DEPARTMENT - BS Degree Program

SUGGESTED GRADUATION PLAN - 2017-2018

*Note: The Progress Report for each student lists their official requirements*

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				Civilization 1 Elective 3	Civilization 2 Elective 3 *Arts or Letters	Remaining Arts or Letters Elective 3
	Religion Cornerstone Requirement 2	Religion Cornerstone Requirement 2	Religion Cornerstone Requirement 2		Religion Cornerstone Requirement 2	Religion Elective 2	Religion Elective 2	Religion Elective 2
Major Requirements	Math 112 Calculus 1 Math 110, 111 *QR & LL 4	Math 113 Calculus 2 Math 112 4	Math 302 Engr Math 1 Math 113 4	Math 303 Engr Math 2 Math 302 4	Stat 201 Statistics Math 112 3	Engr 316 Tech Writing 1st Yr Writing *ADV WRI 3	MeEn 475 Capstone 1 Preqs below 3	MeEn 476 Capstone 2 Preqs below 3
	Phscs 121 Newtonian Mech Math 112 p or c *Phy Sci 3	Chem 105 General Chemistry Math 110 *Phy Sci 4	Phscs 123 Waves, Optics, Thermo Phscs 121, Math 112 3	ECEn 301 Elem Elec Eng Math 113 3	<b>ME Professional Program (Acceptance Required)</b>		MeEn 340 Heat Transfer MeEn 312 3	Technical Elective 3
	MeEn 191 New Student Seminar 0.5	MeEn 101 Intro to ME/Statics Phscs 121, Math 112 3	CEEn 203 Mech of Materials MeEn 101 or CEEn103 3	MeEn 273 Computing Math 302 or 314 p, c 3	MeEn 321 Thermodynamics Phscs 123, Chem 105 3	MeEn 312 Fluid Mech MeEn 321 MeEn 362 Measurement MeEn 335, Stat 201; Engr 316 p or c 2	Technical Elective 3	Technical Elective 3
	Bio 100 Princ of Biology *Bio Sci 3		CEEn 204 Dynamics MeEn 101 or CeEn 103 *Phy Sci 3	ME En 250 Materials Science Chem 105 3	MeEn 330 Mechatronics ECEn 301, MeEn 273 MeEn 335 Dyn Systems MeEn 273, CEEn 204 Math 303/334 3	MeEn 372 Mech Sys Des CEEn 203, MeEn 250 3	Technical Elective 3	
		EngT 231 Global Ldrshp *Soc Sci & GCA 3	MeEn 272 CAD 3	MeEn 382 Mfg Process MeEn 250, MeEn 272 3	MeEn 393 Professional Skills Eng T 231 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

1. Complete designated courses above or alternate courses listed on me.byu.edu
2. 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.