

# MECHANICAL ENGINEERING DEPARTMENT - BS Degree Program

SUGGESTED GRADUATION PLAN - 2018-2019

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

Course Key	
Course #	hrs
Course Title	
Prerequisites p:	prerequisites
c:	corequisite
* GE's fulfilled	
When Offered: FWSS	

	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 FWSS 4	Math 113 Calculus 2 Math 112 FWSS 4	Math 302 Engr Math 1 Math 113 FW 4	Math 303 Engr Math 2 Math 302 FW 4	Stat 201 Statistics Math 112 FWSp 3	Engl 316 Tech Writing 1st Yr Writing *ADV WRI FWSS 3	MeEn 475 Capstone 1 Preqs below F 3	MeEn 476 Capstone 2 Preqs below W 3
	Phscs 121 Newtonian Mech Math 112 p, c *Phy Sci FWSp 3	Chem 105 General Chemistry Math 110 *Phy Sci FWSS 4	Phscs 123 Waves, Optics, Thermo Phscs 121, Math 112 FWSp 3	ECEn 301 Elem Elec Eng Math 113 FWSp 3	MeEn 321 Thermodynamics Phscs 123, Chem 105 FWSp 3	<b>ME Professional Program (Acceptance Required)</b>		
	MeEn 191 New Student Seminar FW 0.5	MeEn 101 Intro to ME/Statics Phscs 121, Math 112 FWSp 3	CEEn 203 Mech of Materials MeEn 101 FWSp 3	MeEn 273 Computing Math 113 FWSp Math 302 or 314 p,c 3	MeEn 330 Mechatronics ECEn 301, MeEn 273 FWSp 3			
	Bio 100 or Subs: Bio 130, PDBio 120, MMBio 240, MMBio 221		CEEn 204 Dynamics MeEn 101 *Phy Sci FWSp 3	MeEn 250 Materials Science Chem 105 FWSp 3	Me En 335 Dyn systems MeEn 273, CeEn 204 Math 303/334 FWSp 3	MeEn 362 Measurement MeEn 335, Stat 201; Engl 316 p,c FWSu 2	Technical Elective 3	Technical Elective 3
			EngT 231 Global Ldrshp *Soc Sci & GCA FWSp 3	MeEn 272 CAD FWSp 3	MeEn 382 Mfg Process MeEn 250, MeEn 272 FWSu 3	MeEn 372 Mech Sys Des CEEn 203, MeEn 250 FWSp 3	Technical Elective 3	
						MeEn 393 Professional Skills Eng T 231 FW 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 - FWSS
- Math 314 - Calc of Sev Variables - FWSS
- Math 334 - Differential Equations - FWSS

### 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

### 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,c; MeEn 393 p,c
- 476 pre-reqs: MeEn 312/362, MeEn 393, MeEn 475, MeEn 340