Mechanical Engineering

2018-2019 Flowsheet, Rev 03/07/18

For planning purposes only; the MSU catalog displays official degree and prerequisite requirements.

Name: _____

GID# _____

Advising for : Term_____**Year**_____

Freshman		Sophomore		Junior		Senior	
Fall 17 cr.	Spring 18 cr.	Fall 16 cr.	Spring 18 cr.	Fall 14 cr.	Spring 16 cr.	Fall 14 cr.	Spring 15 cr.
EMEC 100 Intro. to ME 1 cr.	Core Elective 3 cr.	Core Elective 3 cr.	EGEN 205 Mech. Mat. 3 cr.	EMEC 341 Adv. Mech. 3 cr.	EMEC 342** Mach. Design 3 cr.	Prof. Elective* 3 cr.	Prof. Elective* 3 cr.
PHSX 220 Physics I 4 cr.	PHSX 222 Physics II 4 cr.	EGEN 201 Statics 3 cr.	EGEN 202 Dynamics 3 cr.	EGEN 350 Statistics 2 cr.	EGEN 310** Multi D Design 3 cr.	Prof. Elective* 3 cr.	Prof. Elective* 3 cr.
Core Elective 3 cr.			EELE 250 Circuits 4 cr.		EMEC 360** Meas. & Inst. 3 cr.	EMEC 489R Capstone I 2 cr.	EMEC 499R Capstone II 3 cr.
M 171Q Calc. I 4 cr.	M 172Q Calc. II 4 cr.	M 273Q Multi. Calc. 4 cr.	M 274 Diff. Eqns. 4 cr.	EMEC 320 Thermo. I 3 cr.	EMEC 361 Meas. Lab. 1 cr.	EGEN 330 Business Fund. 3 cr.	EMEC 405 or EMEC 436 3 cr.
	CHMY 141 Chemistry I 4 cr.	EMEC 250 Materials 3 cr.	ETME 215 Manufact. 3 cr.	EGEN 335 Fluids 3 cr.	EMEC 321 Thermo. II 3 cr.	EMEC 445** Vibrations 3 cr.	Core Elective 3 cr.
COMX111US or CLS 101US 3 cr.	WRIT 101W Writing I 3 cr.	EMAT 252 Materials Lab 1 cr.	ETME 216 Manu. Lab 1 cr.	EMEC 303 CAE III 3 cr.	EMEC 326 Heat Trans. 3 cr.		EGEN 488 Fund. of Eng. 0 cr.
EMEC 103 CAE I 2 cr. Fall or Spring		EMEC 203 CAE II 2 cr.					

- - - ▶ Co-requisite Course. Course at start of line to be taken prior to or at the same time as course at arrowhead

——▶ Pre-requisite Course

* See PE policy requirements

** Requires completion of all 100- 200 level courses

Diversity (**D**) Course	3 Credit minimum	Grade ≥ C-	Semester/ Year

Inquiry-Humanities (**IH** or RH) Course	3 Credit minimum	Grade ≥ C-	Semester/ Year

Inquiry-Social Sci. (**IS** or RS) Course	3 Credit minimum	Grade ≥ C-	Semester/ Year

Inquiry-Arts (**IA** or RA) Course	3 Credit minimum	Grade ≥ C-	Semester/ Year

Professional Electives – ME Majors
15 Credits Required (5 courses) – See ME Professional Electives Policy Sheet for Details

Course	Credit	Grade
1.		
2.		
3.		
4.		
5. Required (EMEC 405 or EMEC 436)		

Notes: