MECHANICAL ENGINEERING CURRICULUM

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

COOPERATIVE EDUCATION - CYCLE A

SPRING 2020 AND LATER

NAME: First M. Last **ID: 333 33 333** **SPRING 2020 AND LATER** **Student Type:** FTFTF

	Prerequisite	Cr	Gr	Remarks		Prerequisite	Cr	Gr	Remarks
1st Year (Fall)					**1st Year (Spring)**				
*CHEM 125 Chem I	None	3			*CHEM 126 Chem II	Chem 125	3		
CHEM 125A-General Chemistry Lab I	None	1			HUM 102 Wri, Speak, Think II	Hum 101	3		
CS 101 Computer Prog.	None	3			MATH 112 Calc II	Math 111	4		
FED 101 FED	None	2			PHYS 111 Phyics I	Phys 111A, Math 111	3		
FRESH SEM Freshman Seminar		0			PHYS 111A Phys I Lab	Phys 111A	1		
HUM 101 Writ, Speak, Think I	None	3							
MATH 111 Calc I	None	4							
		16					14		
2nd Year (Fall)					**2nd Year (Spring)**				
**HIST/HUM 200 Level GER	HUM 101	3			MATH 222 Diff Equations	Math 112	4		
MATH 213 Calc IIIB	Math 112	4			ME 231 Kin of Mach	MATH 213, grade C or higher in Mech 234	3		
ME 215 Engr Mat & Proc	Chem 122 or Chem 126	3			MECH 236 Dynamics	Mech 234	2		
MECH 234 (or 235) Eng. Mech (Static	Phys 111, Math 112	2			MECH 237 Mech of Matl's	Mech 234, Math 112	3		
PHYS 121 Physics II	Phys 111, Phys 121A^, Math 112	3			PHIL 334 Engr'g. Ethic	HUM 101,102,GER	3		
PHYS 121A Phys. II Lab	Phys 111A	1			ENGR 210 Eng. Career Plan Sem		1		
		16					16		
3rd Year (Fall)					**3rd Year (Spring)**				
ENGR 310 CO-OP WORK EXP.	Duration Summer through Fall	12			ECE 405 E.E. Princ	Phys 121	3		
					MATH 279# Engr Prob & Stat:	Math 112	2		
					ME 311 Thermo I	Phys 111, Math 211/213	3		
					ME 315 Stress Analysis	ME 215, Mech 237, Math 222	3		
					ME 430 CAD	FED 101, CS 101, Math 222	3		
		12					14		
4th Year (Fall)					**4th Year (Spring)**				
ENGR 410 Co-op Wrk Exp	Duration Summer through Fall	12			ME 304 Fluid Mech	Mech 236, ME 311	3		
					ME 305 Intro Sys Dyn	ME 231, Mech 236, Math 222	3		
					ME 312 Thermo II	ME 311	3		
					ME 316 Mach Design	ME 315, ME 231	3		
					ME 343 Mech Lab I	ECE405, Math279/333, Mech236, ME304	3		
		12					15		
5th Year (Fall)					**5th Year (Spring)**				
***HIST/HUM 300 LEVEL GER:	HUM 101, 102,GER	3			****HUM SR SEM. HSS 400:	Senior stnd	3		
ME 403 Mech Sys Des I	ME 304, 305, 312, 316	3			ME 406 Mech Lab III	ME 405, ME 407	2		
ME 405 Mech Lab II	ME 343, ME 312	2			ME 408 Mech Sys Des II	ME 403, ME 407	2		
ME 407 Heat Transfer	ME 304, ME 311, Math 222	3			ME/TE Elective:	Varies based on course	3		
ME/TE Elective:	Varies based on course	3			ME/TE Elective:	Varies based on course	3		
					*****SOC. SCI GER:	Jr/Sr stnd	3		
		14					16		
Last Completed Semester (FALL 2019) GPA:				**0.000**	**Cummulative GPA:**				
DegreeWorks Degree GPA:					**DegreeWorks Overall GPA**	**0.000**	**Total CR. =**		**145**

Extra Courses

A credit for Math 333 also satisfies requirement for statistics

* CHEM 121 IN LIEU OF CHEM 125, CHEM 122 IN LIEU OF CHEM 126

** HIST/HUM 200+ LEVEL GER - Any 200 level ENG,HIST,LIT,STS,COM,THTR,HUM

*** HIST/HUM 300+ LEVEL GER: Any 300 level ENG/HIST/LIT/PHIL/STS/THTR

**** 400+ LEVEL IN HUMANITIES SENIOR SEMINAR (HSS)

***** SOCIAL SCIENCE GER: IE 492, MGMT 390 OR ECON 201, 265, 266

NOTE: ME and Acceptable Technical electives are listed. All other Tech Electives must have prior departmental Approval

Current Class Status: ***Freshman***

Minor:

Last Update *7/7/2020*

By *FHA*

Cohort:

Certified By:_____ **Date Certified:**

Department of Mechanical and Industrial Engineering