

MECHANICAL ENGINEERING CURRICULUM

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING COOPERATIVE EDUCATION - CYCLE B

SPRING 2020 AND LATER

NAME: First M. Last

ID: 333 33 333

SPRING 2020 AND LATER

Student Type: FTFE

1st Year (Fall)		Prerequisite	Cr	Gr	Remarks	1st Year (Spring)		Prerequisite	Cr	Gr	Remarks	Extra Courses	
*CHEM 125 Chem I	None		3			*CHEM 126 Chem II	Chem 125		3				
CHEM 125A-General Chemistry Lab I	None		1			HUM 102 Writ, 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 Physics 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 (Fall)							
**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 (Stat)	Phys 111, Math 112		2			MECH 237 Mech of Mat'l's	Mech 234, Math 112		3				
PHYS 121 Physics II	Phys 111, Phys 121A, Math 112		3			PHIL 334 Eng'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)							
ECE 405 E.E. Princ	Phys 121		3			ENGR 310 CO-OP WORK EXP.	Duration Spring through Summer		12				
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										
			14						12				
4th Year (Fall)						4th Year (Spring)							
ME 304 Fluid Mech	Mech 236, ME 311		3			ENGR 410 Co-op Wrk Exp	Duration Spring through Summer		12				
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, ME3		3										
			15						12				
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				
			14			****SOC. SCI GER:	Jr/Sr stnd		3				
									16				
Last Completed Semester (FALL 2019) GPA: 0.000						Cummulative GPA: 0.000				Total CR. = 145			
DegreeWorks Degree GPA:						DegreeWorks Overall GPA							

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

Certified By:

Department of Mechanical and Industrial Engineering

Date Certified:

Current Class Status: Freshman

Minor:

Last Update 7/7/2020

By FHA

Cohort: