

# MECHANICAL ENGINEERING CURRICULUM

## BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

### COOPERATIVE EDUCATION - CYCLE A

#### FALL 2017 AND LATER

NAME: First M. Last

ID: 333 33 333

Admit Term: Fall 2017

Student Type: FT/TFE

1st Year (Fall)	Prerequisite	Cr	Gr	Remarks	1st Year (Spring)	Prerequisite	Cr	Gr	Remarks
MATH 111 Calc I	None	4			MATH 112 Calc II	Math 111	4		
PHYS 111 Physics I	Phys 111A, Math 111/*	3			PHYS 121 Physics II	Phys 111, Phys 121A*, Math 112*	3		
PHYS 111A Phys I Lab	Phys 111A*	1			PHYS 121A Phys. II Lab	Phys 111A	1		
*CHEM 125 Chem I	None	3			*CHEM 126 Chem II	Chem 125	3		
FED 101 FED	None	2			CHEM 124 Chem Lab	Chem 126	1		
HUM 101 Writ, Speak, Think I	None	3			HUM 102 Wri, Speak, Think II	Hum 101	3		
FRESH SEM Freshman Seminar		0							
		16					15		
<b>2nd Year (Fall)</b>					<b>2nd Year (Spring)</b>				
MATH 211(13) Calc IIIA	Math 112	3(4)			ENGR 210 Eng. Career Plan Sem	Soph standing	1		
MATH 279 (333) Engr Prob & Stat:	Math 112	2(3)			MATH 222 Diff Equations	Math 112	4		
ME 215 Engr Mat & Proc	Chem 122 or Chem 126	3			ME 231 Kin of Mach	CS 101, Mech 234	3		
MECH 234 Eng. Mech (Statics)	Phys 111, Math 112	2			MECH 236 Dynamics	Mech 234	2		
**HIST/HUM 200 Level GER	HUM 101	3			MECH 237 Mech of Mat's	Mech 234, Math 112	3		
CS 101 Computer Prog.	None	3			PHIL 334 Engr'g, Ethic	HUM 101,102,GER	3		
		16(18)					16		
<b>3rd Year (Spring)</b>					<b>3rd Year (Spring)</b>				
ENGR 310 Co-op Wrk Exp	Duration Summer through Fall	12			ME 305 Intro Sys Dyn	ME 231, Mech 236, Math 222	3		
					ME 311 Thermo I	Phys 111, Math 211	3		
					ME 315 Stress Analysis	ME 215, Mech 237, Math 222	3		
					ECE 405 E.E. Princ	Phys 121	3		
		12			***HIST/HUM 300 LEVEL GER:	HUM 101, 102,GER	3		
							15		
<b>3rd Year (Spring)</b>					<b>3rd Year (Spring)</b>				
ENGR 410 Co-op Wrk Exp	Duration Summer through Fall	12			ME 304 Fluid Mech	Mech 236, ME 311	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			ME 430 CAD	FED 101, CS 101, Math 222	3		
							15		
<b>5th Year (Fall)</b>					<b>5th Year (Spring)</b>				
ME 403 Mech Sys Des I	ME 304, 305, 312, 316, 407*	3			ME 406 Mech Lab III	ME 405, ME 407	2		
ME 405 Mech Lab II	ME 343, ME 312, ME 407*	2			ME 408 Mech Sys Des II	ME 403, ME 407	2		
ME 407 Heat Transfer	ME 304, ME 311, Math 222	3			Elec (ME/TE):	Varies based on course	3		
Elec (ME/TE):	Varies based on course	3			Elec (ME/TE):	Varies based on course	3		
Elec (ME/TE):	Varies based on course	3			****CAPSTONE HSS:	Senior stnd	3		
					*****SOCIAL SCIENCE GER:	Jr/Sr stnd	3		
		14					16		
<b>Last Completed Semester (FALL 2017) GPA: 0.000</b>					<b>Cummulative GPA: 0.000</b>				
<b>DegreeWorks Degree GPA:</b>					<b>DegreeWorks Overall GPA</b>				
							<b>Total CR. =</b>	<b>122 (124)</b>	

Extra Courses

\* 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 CAPSTONE in HUMANITIES SENIOR SEMINAR (HSS)

\*\*\*\*\* SOCIAL SCIENCE GER: IE 492, MGMT 390 OR ECON

**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 1/18/2018

By

Cohort: