

Please inform the Registrar's Office if you choose an alternate option.
 Otherwise your Academic Advisement Report will be incorrect.

CLASS OF 2020
MECHANICAL ENGINEERING MAJOR
ME OPTION – DIVISIONS 3&4
CURRICULUM

REVISED 4/25/18
Subject to Change

Total Units: 151

Writing Proficiency Requirement: All Junior students must demonstrate upper division writing competency as a graduation requirement.
 This may be fulfilled by passing either the Graduation Writing Exam, or EGL 300 Advanced Writing.

FALL 2016

CHE 110	General Chemistry	3.0
CHE 110L	General Chemistry Lab	1.0
EGL 100	English Composition	3.0
ENG 110	Introduction to Engineering and Technology*	1.0
ENG 120	Engineering Communications*	2.0
EPO 110	Plant Operations I	1.0
EPO 125	Introduction to Marine Engineering	3.0
EPO 213	Welding Lab	1.0
MTH 210	Calculus I	4.0
PE 101	Swim Competency Exam	0.0
PE 102	Beginning/Intermediate Swimming	(0.5)
Total		19.0

SPRING 2017

DL 105	Marine Survival	1.0
DL 105L	Marine Survival Lab	1.0
DL 105X	USCG Lifeboatman's Exam	0.0
ELEC 20	Critical Thinking Elective	3.0
ELEC 21	Humanities Elective (Lower Division)	3.0
MTH 211	Calculus II	4.0
NAU 104	VPDSD	1.0
PHY 200	Engineering Physics I	3.0
PHY 200L	Engineering Physics I Lab	1.0
Total		17.0

SUMMER CRUISE 2017

CRU 150	Sea Training I (Engine)	8.0
EPO 220	Diesel Engineering I	2.0
Total		10.0

FALL 2017

ENG 210	Engineering Computer Programming	2.0
EPO 215	Manufacturing Processes I	1.0
ME 220	Computer Aided Engineering*	2.0
ME 230	Engineering Materials*	3.0
ME 232	Engineering Statics*	3.0
MTH 212	Calculus III	4.0
PHY 205	Engineering Physics II	4.0
Total		19.0

SPRING 2018

ENG 250	Electrical Circuits and Electronics*	3.0
ENG 250L	Electrical Circuits and Electronics Lab*	1.0
ME 240	Engineering Thermodynamics*	3.0
ME 330	Engineering Dynamics*	3.0
ME 332	Mechanics of Materials*	3.0
MTH 215	Differential Equations	4.0
Total		17.0

SUMMER CO-OP 2018

CEP 250	ME Co-Op I	3.0
Total		3.0

FALL 2018

ENG 300	Engineering Numerical Modeling & Analysis*	3.0
ME 340	Engineering Fluid Mechanics*	3.0
ME 350	Electromechanical Machinery*	3.0
ME 350L	Electromechanical Machinery Lab*	1.0
ME 360	Instrumentation and Measurement Systems*	2.0
ME 360L	Instr. and Measurement Systems Lab*	1.0
Total		13.0

SPRING 2019

EGL 300	Advanced Writing	(3.0)
ME 339	Material/Mechanical Lab*	2.0
ME 344	Heat Transfer*	3.0
ME 392	Mechanical Design*	3.0
ME 460	Automatic Feedback Control*	2.0
ME 460L	Automatic Feedback Control Lab*	1.0
ME 490	Engineering Design Process*	3.0
STEM 1	Stem Course (See Box)*	3.0
Total		17.0

SUMMER CO-OP 2019

CEP 350	ME Co-Op II	3.0
Total		3.0

*** Courses in Major (CGPA = 2.0 is required)**

FALL 2019

ELEC 8	American Institutions Elective	3.0
ELEC 31	Social Science Elective (Lower Division)	3.0
ME 349	Fluid/Thermal Lab*	2.0
ME 394	Fluid/Thermal Design*	3.0
ME 492	Project Design I*	3.0
STEM 2	Stem Course (See Box)*	3.0
Total		17.0

SPRING 2020

ELEC 9	American Institutions Elective	3.0
ELEC 22	Humanities Elective (Upper Division)	3.0
HUM 310	Engineering Ethics	3.0
ME 429	Manufacturing Processes Lab*	1.0
ME 494	Project Design II*	3.0
STEM 3	Stem Course (See Box)*	3.0
Total		16.0

STEM COURSES

Energy Design Stem

- 1 - ME 440 Advanced Fluids & Thermodynamics (Spring 2019)*
- 2 - ME 442 Heating, Ventilation, and A/C Design (Fall 2019)*
- 3 - ME 444 Energy Systems Design (Spring 2020)*

Mechanical Design Stem

- 1 - ME 436 Mechatronic System Design (Spring 2019)*
- 2 - ME 430 Mechanical Vibrations (Fall 2019)*
- 3 - ME 432 Machinery Design (Spring 2020)*