

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

STUDENTS ENTERING IN 2019
MECHANICAL ENGINEERING MAJOR
ME OPTION – DIVISIONS 3&4
CURRICULUM

REVISED 1/15/21
 Subject to Change

Total Units: 152

FALL 2019

Humanities Elective (Area C2-Lower Div)	3.0
CHE 110 General Chemistry (Area B1)	3.0
CHE 110L General Chemistry Lab (Area B3)	1.0
EGL 100 English Composition (Area A2) "G4"	3.0
EGL 120 Technical Communication* (Area A1) "G4"	3.0
ENG 110 Introduction to Engineering and Technology*	1.0
FF 200 Basic/Advanced Marine Firefighting	0.0
MTH 210 Calculus I (Area B4) "G4"	4.0
PE 101 Swim Competency Exam	0.0
PE 102 Beginning/Intermediate Swimming	(0.5)
Total	18.0

SPRING 2020

DL 105 Marine Survival	1.0
DL 105L Marine Survival Lab	1.0
DL 105X USCG Lifeboatman's Exam	0.0
EGL 220 Critical Thinking	3.0
[Critical Thinking Elective] (Area A3) "G4"	1.0
EPO 110 Plant Operations I	3.0
EPO 125 Introduction to Marine Engineering	1.0
EPO 213 Welding Lab	0.0
MTH 211 Calculus II (Area B4)	4.0
NAU 104 Shipboard Security and Responsibility	1.0
PHY 200 Engineering Physics I (Area B1)	3.0
PHY 200L Engineering Physics I Lab (Area B3)	1.0
Total	19.0

SUMMER CRUISE 2020

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

FALL 2020

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 (Area B4)	4.0
PHY 205 Engineering Physics II (Area B1)	4.0
Total	19.0

SPRING 2021

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 (Area B4)	4.0
Total	17.0

SUMMER CO-OP 2021

CEP 250 ME Co-Op I	3.0
Total	3.0

FALL 2021

Life Science Elective (Area B2)	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 2022

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 2022

CEP 350 ME Co-Op II	3.0
Total	3.0

FALL 2022

American Institutions I Elective (Area D-Lower Div)	3.0
Social Science Elective (Area D-Lower Div)	3.0
ME 349 Fluid/Thermal Lab*	2.0
ME 394 Fluid/Thermal Design*	3.0
ME 492 Project Design I*	2.0
ME 492L Project Design I Lab*	1.0
STEM 2 Stem Course (See Box)*	3.0
Total	17.0

SPRING 2023

Humanities Elective (Area C-Upper Div)	3.0
ENG 310 Engineering Ethics (Area D-Upper Div)	3.0
GOV 200 American Government	3.0
[American Institutions II Elective] (Area D-Lower Div)	3.0
ME 429 Manufacturing Processes Lab*	1.0
ME 494 Project Design II*	2.0
ME 494L Project Design II Lab*	1.0
STEM 3 Stem Course (See Box)*	3.0
Total	16.0

CSU Writing Proficiency Requirements may be met by passing the Graduate Writing Exam, or passing EGL 300 Advanced Writing.

**"G4" "Golden 4" Courses (Must receive a "C-" or higher)
 * Courses in Major (CGPA = 2.0 is required)**

STEM COURSES

Energy Design Stem

- 1 - ME 440 Advanced Fluids & Thermodynamics (Spring 2022)*
- 2 - ME 442 Heating, Ventilation and A/C Design (Fall 2022)*
- 3 - ME 444 Energy Systems Design (Spring 2023)*

Mechanical Design Stem

- 1 - ME 436 Mechatronic System Design (Spring 2022)*
- 2 - ME 430 Mechanical Vibrations (Fall 2022)*
- 3 - ME 432 Machinery Design (Spring 2023)*