

**STUDENTS ENTERING IN 2021
MARINE ENGINEERING TECHNOLOGY MAJOR
DIVISIONS 3&4
CURRICULUM**

3/12/21
Subject to Change

Total Units: 158

FALL 2021

American Institutions I Elective (Area D-Lower Div) **or** (Area F) 3.0
 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
 ENG 100 Engineering Graphics▶ 2.0
 ET 110 Introduction to Engineering Technology* 1.0
 FF 100 Basic Marine Firefighting▶ 0.0
 PE 101 Swim Competency Exam 0.0
 PE 102 Beginning/Intermediate Swimming (0.5)

SPRING 2022

DL 105 Marine Survival▶ 3.0
 DL 105L Marine Survival Lab▶ 3.0
 DL 105X USCG Lifeboatman's Exam 3.0
 EGL 100 English Composition (Area A2) "G4" 1.0
 EPO 110 Plant Operations I▶ 2.0
 EPO 125 Introduction to Marine Engineering* 1.0
 EPO 125L Introduction to Marine Engineering Lab* 0.0
 EPO 213 Welding Lab▶ 0.0
 LIB 100 Info Fluency in the Digital World (Area E) (0.5)
 MTH 210 Calculus I (Area B4) 2.0
 NAU 104 Shipboard Security and Responsibility▶ 1.0

SUMMER CRUISE 2022

CRU 150 Sea Training I▶ 8.0
 EPO 220 Diesel Engineering I* 2.0
Total 10.0

CRU 150 Sea Training I▶ 8.0
 EPO 220 Diesel Engineering I* 2.0
 EPO 110 Plant Operations I▶ 1.0
 EPO 125 Introduction to Marine Engineering* 3.0
 EPO 125L Introduction to Marine Engineering Lab* 1.0
 EPO 213 Welding Lab▶ 1.0
 LIB 100 Info Fluency in the Digital World (Area E) 2.0
 MTH 210 Calculus I (Area B4) 4.0
 NAU 104 Shipboard Security and Responsibility▶ 1.0
Total 18.0

FALL 2022

COM 220L Programming Applications for ET Majors Lab 1.0
 EGL 220 Critical Thinking [Critical Thinking Elective] (Area A3) "G4" 3.0
 EPO 210 Plant Operations II▶ 1.0
 EPO 214 Boilers▶* 3.0
 EPO 215 Manufacturing Processes I▶ 1.0
 EPO 230 Steam Plant System Operations▶* 1.0
 MTH 211 Calculus II (Area B4) 4.0
 PHY 200 Engineering Physics I (Area B1) 3.0
 PHY 200L Engineering Physics I Lab (Area B3) 1.0

SPRING 2023

EGL 110 Speech Communication (Area A1) "G4" 1.0
 EPO 235 Steam Plant Watch Team Management▶* 3.0
 EPO 312 Turbines▶* 3.0
 ET 230 Properties of Materials* 2.0
 ET 232 Statics* 3.0
 PHY 205 Engineering Physics II (Area B1) 1.0

SUMMER CRUISE 2023

CRU 250 Sea Training II 8.0
Total 8.0

CRU 250 Sea Training II 8.0
 EPO 235 Steam Plant Watch Team Management▶* 1.0
 EPO 312 Turbines▶* 3.0
 ET 230 Properties of Materials* 2.0
 ET 232 Statics* 3.0
 PHY 205 Engineering Physics II (Area B1) 4.0
Total 16.0

FALL 2023

Humanities Elective (Area C-Upper Div) 3.0
 ET 230L Properties of Materials Lab* 1.0
 ET 250 Electrical Circuits* 3.0
 ET 250L Electrical Circuits Lab▶* 1.0
 ET 330 Dynamics* 3.0
 ET 332 Strength of Materials* 3.0
 ET 344 Thermodynamics* 3.0
 FF 300 Advanced Marine Firefighting▶ 0.0

SPRING 2024

EGL 300 Advanced Writing (3.0)
 Life Science Elective (Area B2) 1.0
 EPO 310 Plant Operations III▶ 3.0
 EPO 315 Manufacturing Processes II 1.0
 EPO 322 Diesel Engineering II/Simulator* 1.0
 EPO 322L Diesel Engineering II/Simulator Lab▶* 1.0
 ET 340 Fluid Mechanics* 3.0
 ET 340L Fluid Mechanics Lab* 1.0
 ET 342 Refrigeration and Air Conditioning* 2.0
 ET 342L Refrigeration and Air Conditioning Lab* 1.0
 ET 370 Electronics▶* 3.0
 ET 370L Electronics Lab* 1.0

SUMMER CRUISE 2024

CRU 350 Sea Training III▶ 8.0
Total 8.0

CRU 350 Sea Training III▶ 8.0
 EPO 310 Plant Operations III▶ 1.0
 EPO 315 Manufacturing Processes II 1.0
 EPO 322 Diesel Engineering II/Simulator* 1.0
 EPO 322L Diesel Engineering II/Simulator Lab▶* 1.0
 ET 340 Fluid Mechanics* 3.0
 ET 340L Fluid Mechanics Lab* 1.0
 ET 342 Refrigeration and Air Conditioning* 2.0
 ET 342L Refrigeration and Air Conditioning Lab* 1.0
 ET 370 Electronics▶* 3.0
 ET 370L Electronics Lab* 1.0
Total 18.0

FALL 2024

ENG 430 Naval Architecture▶* 3.0
 ENG 470 Engineering Management* 3.0
 ET 350 Electrical Machinery* 3.0
 ET 350L Electrical Machinery Lab▶* 1.0
 ET 400 Instrumentation and Measurement* 3.0
 ET 400L Instrumentation and Measurement Lab* 1.0
 GOV 200 American Government [American Institutions II Elective] (Area D-Lower Div) 3.0

SPRING 2025

Social Science Elective (Area D-Upper Div) 3.0
 ENG 310 Engineering Ethics (Area D-Upper Div) 3.0
 EPO 217 Shipboard Medical▶ 1.0
 ET 460 Automation* 3.0
 ET 460L Automation Lab▶* 1.0
 ET 490 Power Engineering Technology* 3.0
 ET 490L Power Engineering Technology Lab* 1.0

**THIRD ASSISTANT ENGINEER'S/OICEW LICENSE
REQUIRED FOR GRADUATION**

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

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

Total 15.0

Total 17.0