

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

**REVISED 06/27/22**  
**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)

**Total 13.0**

**SPRING 2022**

DL 105 Marine Survival▶ 1.0  
DL 105L Marine Survival Lab▶ 1.0  
DL 105X USCG Lifeboatman's Exam 0.0  
EGL 100 English Composition (Area A2) "G4" 3.0  
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 2.0  
MTH 210 Calculus I (Area B4) 4.0  
NAU 104 Shipboard Security and Responsibility▶ 1.0

**Total 18.0**

**SUMMER CRUISE 2022**

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

**Total 10.0**

**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

**Total 18.0**

**SPRING 2023**

EGL 110 Speech Communication (Area A1) "G4" 3.0  
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**

**SUMMER CRUISE 2023**

CRU 250 Sea Training II 8.0

**Total 8.0**

**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

**Total 17.0**

**SPRING 2024**

Life Science Elective (Area B2) 3.0  
EGL 300 Advanced Writing (3.0)  
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**

**SUMMER CRUISE 2024**

CRU 350 Sea Training III▶ 8.0

**Total 8.0**

**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

**Total 17.0**

**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

**Total 15.0**

**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)