

STUDENTS ENTERING IN 2025
MARINE ENGINEERING TECHNOLOGY MAJOR
DIVISIONS 3&4
CURRICULUM ROADMAP

03/12/25
Subject to Change

Total Units: 158

FALL 2025

American Institutions I Elective (Area 4-Lower Div) or (Area 6)
 Humanities Elective (Area 3B-Lower Div)
 CHE 110 General Chemistry (Area 5A-Lower Div)
 CHE 110L General Chemistry Lab (Area 5C-Lower Div)
 ENG 100 Engineering Graphics▶
 ET 110 Introduction to Engineering Technology*
 FF 100 Basic Marine Firefighting▶
 (MTH 100 College Algebra and Trigonometry) 
 PE 101 Swim Competency Exam
 PE 102 Beginning/Intermediate Swimming

Total

SPRING 2026

3.0 DL 105 Marine Survival▶
 3.0 DL 105L Marine Survival Lab▶
 3.0 DL 105X USCG Lifeboatman's Exam▶
 1.0 EGL 100 English Composition (Area 1A) "G4"
 2.0 EPO 110 Plant Operations I▶
 1.0 EPO 125 Introduction to Marine Engineering*
 0.0 EPO 125L Introduction to Marine Engineering Lab*
 (4.0) EPO 213 Welding Lab▶
 0.0 LIB 100 Information Fluency in the Digital World
 (0.5) MTH 210 Calculus I (Area 2-Lower Div) "G4"
 NAU 104 Shipboard Security and Responsibility▶

Total

SUMMER SEA TERM 2026

1.0 CRU 150 Sea Training I▶
 1.0
 0.0
 3.0
 1.0
 3.0
 1.0
 1.0
 2.0
 4.0
 1.0

Total 8.0

English Communication

Mathematical Concepts and Quantitative Reasoning

Arts and Humanities

FALL 2026

COM 220L Programming Applications for ET Majors Lab
 EGL 220 Critical Thinking
 [Critical Thinking Elective] (Area 1B) "G4"
 EPO 210 Plant Operations II▶
 EPO 214 Boilers▶
 EPO 215 Manufacturing Processes I▶
 EPO 230 Steam Plant System Operations▶
 MTH 211 Calculus II (Area 2-Lower Div)
 PHY 200 Engineering Physics I (Area 5A-Lower Div)
 PHY 200L Engineering Physics I Lab (Area 5C-Lower Div)

Total

SPRING 2027

1.0 EGL 110 Speech Communication (Area 1C) "G4"
 3.0 EPO 220 Diesel Engineering I*
 EPO 220L Diesel Engineering I Lab*
 1.0 EPO 235 Steam Plant Watch Team Management▶*
 3.0 EPO 312 Turbines▶*
 1.0 ET 230 Properties of Materials*
 1.0 ET 232 Statics*
 4.0 PHY 205 Engineering Physics II (Area 5A-Lower Div)
 3.0 PHY 205L Engineering Physics II Lab (Area 5C-Lower Div)

Total

SUMMER SEA TERM 2027

3.0 CRU 250 Sea Training II*
 1.0
 1.0
 1.0
 3.0
 2.0
 3.0
 3.0
 1.0

Total 8.0

Social and Behavioral Sciences

Physical and Biological Sciences

Ethnic Studies

FALL 2027

Humanities Elective (Area 3-Upper Div)
 ET 230L Properties of Materials Lab*
 ET 250 Electrical Circuits*
 ET 250L Electrical Circuits Lab▶*
 ET 330 Dynamics*
 ET 332 Strength of Materials*
 ET 344 Thermodynamics*

Total

SPRING 2028

3.0 CSU Graduate Writing Assessment Requirement (GWAR) Elective♦
 1.0 Life Science Elective (Area 5B-Lower Div)
 3.0 EPO 310 Plant Operations III▶
 1.0 EPO 315 Manufacturing Processes II
 3.0 EPO 322 Diesel Engineering II/Simulator*
 3.0 EPO 322L Diesel Engineering II/Simulator Lab▶*
 3.0 ET 340 Fluid Mechanics*
 3.0 ET 340L Fluid Mechanics Lab*
 ET 342 Refrigeration and Air Conditioning*
 ET 342L Refrigeration and Air Conditioning Lab▶*
 ET 370 Electronics▶*
 ET 370L Electronics Lab*

Total

SUMMER SEA TERM 2028

(3.0) CRU 350 Sea Training III▶*
 3.0
 1.0
 1.0
 1.0
 1.0
 3.0
 1.0
 2.0
 1.0
 3.0
 1.0
 1.0

Total 8.0

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

"G4" "Golden 4" Courses (Must receive a "C-" or higher)

♦ The CSU Graduate Writing Assessment Requirement (GWAR) may be met by passing one of the following courses: EGL 300 Advanced Writing or EGL 302 Nonfiction Writing. (Must receive a "C-" or higher)

▶ STCW Course (Must receive a "C-" or higher, or "CR") (To receive STCW credit, course **must not** be taken through Open University)

* Sea-Time Equivalency Course (To receive Sea-Time Equivalency credit, course **must not** be taken through Open University)

* Courses in Major (CGPA = 2.0 is required)

 **REMINDER:** Take MTH 100 College Algebra and Trigonometry in Fall 2025 if student is not calc-ready for MTH 210 Calculus I.

FALL 2028

ENG 430 Naval Architecture▶*
 ET 350 Electrical Machinery*
 ET 350L Electrical Machinery Lab▶*
 ET 400 Instrumentation and Measurement*
 ET 400L Instrumentation and Measurement Lab*
 ET 470 Engineering Management*
 GOV 200 American Government
 [American Institutions II Elective] (Area 4-Lower Div)

Total

SPRING 2029

3.0 Arts Elective (Area 3A-Lower Div)
 3.0 ENG 310 Engineering Ethics (Area 4-Upper Div)
 1.0 EPO 217 Shipboard Medical▶
 3.0 ET 460 Automation*
 1.0 ET 460L Automation Lab▶*
 3.0 ET 490 Power Engineering Technology*
 3.0 ET 490L Power Engineering Technology Lab*
 FF 300 Advanced Marine Firefighting▶

Total

15.0