

**STUDENTS ENTERING IN 2022  
MARINE ENGINEERING TECHNOLOGY MAJOR  
DIVISIONS 3&4  
CURRICULUM ROADMAP**

**08/18/22  
Subject to Change**

**Total Units: 158**

<u>FALL 2022</u>	<u>SPRING 2023</u>	<u>SUMMER CRUISE 2023</u>
American Institutions I Elective (Area D-Lower Div) or (Area F)	3.0 DL 105 Marine Survival▶	1.0 CRU 150 Sea Training I▶ 8.0
Humanities Elective (Area C2-Lower Div)	3.0 DL 105L Marine Survival Lab▶	1.0 EPO 220 Diesel Engineering I* 2.0
CHE 110 General Chemistry (Area B1)	3.0 DL 105X USCG Lifeboatman's Exam	0.0
CHE 110L General Chemistry Lab (Area B3)	1.0 EGL 100 English Composition (Area A2) "G4"	3.0
ENG 100 Engineering Graphics▶	2.0 EPO 110 Plant Operations I▶	1.0
ET 110 Introduction to Engineering Technology*	1.0 EPO 125 Introduction to Marine Engineering*	3.0
FF 100 Basic Marine Firefighting▶	0.0 EPO 125L Introduction to Marine Engineering Lab*	1.0
(MTH 100 College Algebra and Trigonometry) ○	(4.0) EPO 213 Welding Lab▶	1.0
PE 101 Swim Competency Exam	0.0 LIB 100 Information Fluency in the Digital World	2.0
PE 102 Beginning/Intermediate Swimming	(0.5) MTH 210 Calculus I (Area B4)	4.0
<b>Total</b>	<b>13.0</b> NAU 104 Shipboard Security and Responsibility▶	1.0
	<b>Total</b>	<b>18.0</b>
<u>FALL 2023</u>	<u>SPRING 2024</u>	<u>SUMMER CRUISE 2024</u>
COM 220L Programming Applications for ET Majors Lab	1.0 EGL 110 Speech Communication (Area A1) "G4"	3.0 CRU 250 Sea Training II 8.0
EGL 220 Critical Thinking	3.0 EPO 235 Steam Plant Watch Team Management▶*	1.0
[Critical Thinking Elective] (Area A3) "G4"	EPO 312 Turbines▶*	3.0
EPO 210 Plant Operations II▶	1.0 ET 230 Properties of Materials*	2.0
EPO 214 Boilers▶*	3.0 ET 232 Statics*	3.0
EPO 215 Manufacturing Processes I▶	1.0 PHY 205 Engineering Physics II (Area B1)	4.0
EPO 230 Steam Plant System Operations▶*	1.0	<b>Total</b> 16.0
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	
<b>Total</b>	<b>18.0</b>	
<u>FALL 2024</u>	<u>SPRING 2025</u>	<u>SUMMER CRUISE 2025</u>
Humanities Elective (Area C-Upper Div)	3.0 CSU Graduate Writing Assessment Requirement (GWAR) Elective♦ (3.0)	8.0 CRU 350 Sea Training III▶
ET 230L Properties of Materials Lab*	1.0 Life Science Elective (Area B2)	3.0
ET 250 Electrical Circuits*	3.0 EPO 310 Plant Operations III▶	1.0
ET 250L Electrical Circuits Lab▶*	1.0 EPO 315 Manufacturing Processes II	1.0
ET 330 Dynamics*	3.0 EPO 322 Diesel Engineering II/Simulator*	1.0
ET 332 Strength of Materials*	3.0 EPO 322L Diesel Engineering II/Simulator Lab▶*	1.0
ET 344 Thermodynamics*	3.0 ET 340 Fluid Mechanics*	3.0
FF 300 Advanced Marine Firefighting▶	0.0 ET 340L Fluid Mechanics Lab*	1.0
<b>Total</b>	<b>17.0</b> 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
	<b>Total</b>	<b>18.0</b>
<u>FALL 2025</u>	<u>SPRING 2026</u>	
ENG 430 Naval Architecture▶*	3.0 Arts Elective (Area C1-Lower Div)	3.0
ENG 470 Engineering Management*	3.0 ENG 310 Engineering Ethics (Area D-Upper Div)	3.0
ET 350 Electrical Machinery*	3.0 EPO 217 Shipboard Medical▶	1.0
ET 350L Electrical Machinery Lab▶*	1.0 ET 460 Automation*	3.0
ET 400 Instrumentation and Measurement*	3.0 ET 460L Automation Lab▶*	1.0
ET 400L Instrumentation and Measurement Lab*	1.0 ET 490 Power Engineering Technology*	3.0
GOV 200 American Government	3.0 ET 490L Power Engineering Technology Lab*	1.0
[American Institutions II Elective] (Area D-Lower Div)		1.0
<b>Total</b>	<b>17.0</b>	<b>Total</b> 15.0

**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 Courses (Must receive a "C-" or higher, or "CR")
- \* Courses in Major (CGPA = 2.0 is required)
- **REMINDER:** Take MTH 100 College Algebra and Trigonometry in Fall 2022 if student is not calc-ready for MTH 210 Calculus I.