

**STUDENTS ENTERING IN 2021  
MARINE ENGINEERING TECHNOLOGY MAJOR  
DIVISIONS 1&2  
CURRICULUM ROADMAP**

**REVISED 06/27/22**  
**Subject to Change**

**Total Units: 158**

<u>FALL 2021</u>	<u>SPRING 2022</u>	<u>SUMMER CRUISE 2022</u>	
CHE 110 General Chemistry (Area B1)	3.0 American Institutions I Elective (Area D-Lower Div) or (Area F)	3.0 CRU 150 Sea Training I▶	8.0
CHE 110L General Chemistry Lab (Area B3)	1.0 Humanities Elective (Area C2-Lower Div)	3.0 EPO 220 Diesel Engineering I*	2.0
ENG 100 Engineering Graphics▶	2.0 DL 105 Marine Survival▶		<b>Total 10.0</b>
EPO 110 Plant Operations I▶	1.0 DL 105L Marine Survival Lab▶		
EPO 125 Introduction to Marine Engineering*	3.0 DL 105X USCG Lifeboatman's Exam		
EPO 125L Introduction to Marine Engineering Lab*	1.0 EGL 100 English Composition (Area A2) "G4"		
EPO 213 Welding Lab▶	1.0 FF 100 Basic Marine Firefighting▶		
ET 110 Introduction to Engineering Technology*	1.0 LIB 100 Info Fluency in the Digital World		
PE 101 Swim Competency Exam	0.0 MTH 210 Calculus I (Area B4)		
PE 102 Beginning/Intermediate Swimming	(0.5) NAU 104 Shipboard Security and Responsibility▶		
<b>Total 13.0</b>	<b>Total 18.0</b>		
 <u>FALL 2022</u>	 <u>SPRING 2023</u>	 <u>SUMMER CRUISE 2023</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 [Critical Thinking Elective] (Area A3) "G4"	3.0 EPO 235 Steam Plant Watch Team Management▶*		<b>Total 8.0</b>
EPO 210 Plant Operations II▶	EPO 312 Turbines▶*		
EPO 214 Boilers▶*	1.0 ET 230 Properties of Materials*		
EPO 215 Manufacturing Processes I▶	3.0 ET 232 Statics*		
EPO 230 Steam Plant System Operations▶*	1.0 PHY 205 Engineering Physics II (Area B1)		
MTH 211 Calculus II (Area B4)			
PHY 200 Engineering Physics I (Area B1)			
PHY 200L Engineering Physics I Lab (Area B3)			
<b>Total 18.0</b>	<b>Total 16.0</b>		
 <u>FALL 2023</u>	 <u>SPRING 2024</u>	 <u>SUMMER CRUISE 2024</u>	
Humanities Elective (Area C-Upper Div)	3.0 Life Science Elective (Area B2)	3.0 CRU 350 Sea Training III▶	8.0
ET 230L Properties of Materials Lab*	1.0 EGL 300 Advanced Writing		<b>Total 8.0</b>
ET 250 Electrical Circuits*	3.0 EPO 310 Plant Operations III▶		
ET 250L Electrical Circuits Lab▶*	1.0 EPO 315 Manufacturing Processes II		
ET 330 Dynamics*	3.0 EPO 322 Diesel Engineering II/Simulator*		
ET 332 Strength of Materials*	3.0 EPO 322L Diesel Engineering II/Simulator Lab▶*		
ET 344 Thermodynamics*	3.0 ET 340 Fluid Mechanics*		
<b>Total 17.0</b>	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*		
	FF 300 Advanced Marine Firefighting▶		
	<b>Total 18.0</b>		
 <u>FALL 2024</u>	 <u>SPRING 2025</u>		
ENG 430 Naval Architecture▶*	3.0 Social Science Elective (Area D-Upper Div)		
ENG 470 Engineering Management*	3.0 ENG 310 Engineering Ethics (Area D-Upper Div)		
ET 350 Electrical Machinery*	3.0 EPO 217 Shipboard Medical▶		
ET 350L Electrical Machinery Lab▶*	1.0 ET 460 Automation*		
ET 400 Instrumentation and Measurement*	3.0 ET 460L Automation Lab▶*		
ET 400L Instrumentation and Measurement Lab*	1.0 ET 490 Power Engineering Technology*		
GOV 200 American Government	3.0 ET 490L Power Engineering Technology Lab*		
[American Institutions II Elective] (Area D-Lower Div)			
<b>Total 17.0</b>	<b>Total 15.0</b>		

**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)