

**STUDENTS ENTERING IN 2024
MARINE ENGINEERING TECHNOLOGY MAJOR
DIVISIONS 1&2
CURRICULUM ROADMAP**

**05/09/24
Subject to Change**

Total Units: 158

FALL 2024

CHE 110	General Chemistry (Area B1)	3.0
CHE 110L	General Chemistry Lab (Area B3)	1.0
ENG 100	Engineering Graphics▶	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
ET 110	Introduction to Engineering Technology*	1.0
(MTH 100	College Algebra and Trigonometry)○	(4.0)
PE 101	Swim Competency Exam	0.0
PE 102	Beginning/Intermediate Swimming	(0.5)
Total		13.0

FALL 2025

COM 220L	Programming Applications for ET Majors Lab	1.0
EGL 220	Critical Thinking	3.0
[Critical Thinking Elective] (Area A3) “G4”		
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

FALL 2026

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
Total		17.0

FALL 2027

ENG 430	Naval Architecture▶*	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
ET 470	Engineering Management*	3.0
GOV 200	American Government	3.0
[American Institutions II Elective] (Area D-Lower Div)		
Total		17.0

SPRING 2025

American Institutions I Elective (Area D-Lower Div) or (Area F)	3.0	
Humanities Elective (Area C2-Lower Div)	3.0	
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
FF 100	Basic Marine Firefighting▶	0.0
LIB 100	Information 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

SPRING 2026

EGL 110	Speech Communication (Area A1) “G4”	3.0
EPO 220	Diesel Engineering I*	1.0
EPO 220L	Diesel Engineering I Lab*	1.0
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)	3.0
PHY 205L	Engineering Physics II Lab	1.0
Total		18.0

SPRING 2027

CSU Graduate Writing Assessment Requirement (GWAR) Elective◆	(3.0)	
Life Science Elective (Area B2)	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

SPRING 2028

Arts Elective (Area C1-Lower 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
FF 300	Advanced Marine Firefighting▶	0.0
Total		15.0

SUMMER SEA TERM 2025

CRU 150	Sea Training I▶	8.0
Total		8.0

SUMMER SEA TERM 2026

CRU 250	Sea Training II	8.0
Total		8.0

SUMMER SEA TERM 2027

CRU 350	Sea Training III▶	8.0
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 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 2024 if student is not calc-ready for MTH 210 Calculus I.