

STUDENTS ENTERING IN 2023
MARINE ENGINEERING TECHNOLOGY MAJOR
DIVISIONS 1&2
CURRICULUM ROADMAP

04/13/23
Subject to Change

Total Units: 158

FALL 2023

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 2024

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 2025

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 2026

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	3.0
[American Institutions II Elective]	(Area D-Lower Div)	
Total		17.0

SPRING 2024

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 2025

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)	3.0
PHY 205L	Engineering Physics II Lab	1.0
Total		16.0

SPRING 2026

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 2027

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 CRUISE 2024

CRU 150	Sea Training I▶	8.0
EPO 220	Diesel Engineering I✳	2.0
Total		10.0

SUMMER CRUISE 2025

CRU 250	Sea Training II	8.0
Total		8.0

SUMMER CRUISE 2026

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 2023 if student is not calc-ready for MTH 210 Calculus I.