STUDENTS ENTERING IN 2022
MARINE ENGINEERING TECHNOLOGY MAJOR
DIVISIONS 1&2
CURRICULUM ROADMAP

08/18/22
Subject to Change

Total Units: 158

FALL 2022

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**

SPRING 2023

	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**

SUMMER CRUISE 2023

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

FALL 2023

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**

SPRING 2024

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)	4.0
	Total	**16.0**

SUMMER CRUISE 2024

CRU 250	Sea Training II	8.0
	Total	**8.0**

FALL 2024

	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**

SPRING 2025

	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
FF 300	Advanced Marine Firefighting▶	0.0
	Total	**18.0**

SUMMER CRUISE 2025

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 2022 if student is not calc-ready for MTH 210 Calculus I.

FALL 2025

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 2026

	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
	Total	**15.0**