

STUDENTS ENTERING IN 2025
MARINE ENGINEERING TECHNOLOGY MAJOR
DIVISIONS 1&2
CURRICULUM ROADMAP

03/12/25
Subject to Change

Total Units: 158

FALL 2025

CHE 110	General Chemistry (Area 5A-Lower Div)	3.0
CHE 110L	General Chemistry Lab (Area 5C-Lower Div)	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 2026

COM 220L	Programming Applications for ET Majors Lab	1.0
EGL 220	Critical Thinking	3.0
[Critical Thinking Elective] (Area 1B) “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 2-Lower Div)	4.0
PHY 200	Engineering Physics I (Area 5A-Lower Div)	3.0
PHY 200L	Engineering Physics I Lab (Area 5C-Lower Div)	1.0
Total		18.0

FALL 2027

Humanities Elective (Area 3-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 2028

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 4-Lower Div)		
Total		17.0

SPRING 2026

American Institutions I Elective (Area 4-Lower Div) OR (Area 6)		3.0
Humanities Elective (Area 3B-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 1A) “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 2-Lower Div) “G4”	4.0
NAU 104	Shipboard Security and Responsibility▶	1.0
Total		18.0

SPRING 2027

EGL 110	Speech Communication (Area 1C) “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 5A-Lower Div)	3.0
PHY 205L	Engineering Physics II Lab (Area 5C-Lower Div)	1.0
Total		18.0

SPRING 2028

CSU Graduate Writing Assessment Requirement (GWAR) Elective◆		(3.0)
Life Science Elective (Area 5B-Lower Div)		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 2029

Arts Elective (Area 3A-Lower Div)		3.0
ENG 310	Engineering Ethics (Area 4-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 2026

CRU 150	Sea Training I▶☼	8.0
Total		8.0

English Communication

Mathematical Concepts and Quantitative Reasoning

Arts and Humanities

SUMMER SEA TERM 2027

CRU 250	Sea Training II▶☼	8.0
Total		8.0

Social and Behavioral Sciences

Physical and Biological Sciences

Ethnic Studies

SUMMER SEA TERM 2028

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”) (To receive STCW credit, course **must not** be taken through Open University)

☼ Sea-Time Equivalency Course (To receive Sea-Time Equivalency credit, course **must not** be taken through Open University)

☼ Courses in Major (CGPA = 2.0 is required)

☼ **REMINDER:** Take MTH 100 College Algebra and Trigonometry in Fall 2025 if student is not calc-ready for MTH 210 Calculus I.