

**STUDENTS ENTERING IN 2020**  
**MARINE ENGINEERING TECHNOLOGY MAJOR**  
**DIVISIONS 1&2**  
**CURRICULUM**

**REVISED 1/15/21**  
**Subject to Change**

**Total Units: 159**

**FALL 2020**

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 (Area B4) "G4"	4.0
PE 101	Swim Competency Exam	0.0
PE 102	Beginning/Intermediate Swimming	(0.5)

**Total 17.0**

**FALL 2021**

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 2022**

Humanities Elective (Area C-Upper Div)		
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 2023**

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 2021**

American Institutions I Elective (Area D-Lower Div)		
Humanities Elective (Area C2-Lower Div)		
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 200	Basic/Advanced Marine Firefighting▶	0.0
LIB 100	Info Fluency in the Digital World (Area E)	2.0
MTH 210	Calculus I (Area B4)	4.0
NAU 104	Shipboard Security and Responsibility▶	1.0

**Total 18.0**

**SPRING 2022**

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**

**SPRING 2023**

EGL 300	Advanced Writing	(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 15.0**

**SPRING 2024**

Social Science Elective (Area D-Upper Div)		
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**

**SUMMER CRUISE 2021**

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

**Total 10.0**

**SUMMER CRUISE 2022**

CRU 250	Sea Training II	8.0
---------	-----------------	-----

**Total 8.0**

**SUMMER CRUISE 2023**

CRU 350	Sea Training III▶	8.0
---------	-------------------	-----

**Total 8.0**

**THIRD ASSISTANT ENGINEER'S/OICEW  
LICENSE REQUIRED FOR GRADUATION**

**CSU Writing Proficiency Requirements may be met by passing the Graduate Writing Exam, 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)