

**STUDENTS ENTERING IN 2018
MARINE ENGINEERING TECHNOLOGY MAJOR
DIVISIONS 3&4
CURRICULUM**

REVISED 3/24/22
Subject to Change

Total Units: 159

<u>FALL 2018</u>		<u>SPRING 2019</u>		<u>SUMMER CRUISE 2019</u>	
American Institutions I Elective (Area D-Lower Div)	3.0	DL 105 Marine Survival▶	1.0	CRU 150 Sea Training I▶	8.0
Humanities Elective (Area C2-Lower Div)	3.0	DL 105L Marine Survival Lab▶	1.0	EPO 220 Diesel Engineering I*▶	2.0
CHE 110 General Chemistry (Area B1)	3.0	DL 105X USCG Lifeboatman's Exam	0.0	Total 10.0	
CHE 110L General Chemistry Lab (Area B3)	1.0	EGL 100 English Composition (Area A2)	3.0		
ENG 100 Engineering Graphics▶	2.0	EPO 110 Plant Operations I▶	1.0		
ET 110 Introduction to Engineering Technology*▶	1.0	EPO 125 Introduction to Marine Engineering*▶	3.0		
MTH 100 College Algebra and Trigonometry (Area B4)	4.0	EPO 125L Introduction to Marine Engineering Lab*▶	1.0		
PE 101 Swim Competency Exam	0.0	EPO 213 Welding Lab▶	1.0		
PE 102 Beginning/Intermediate Swimming	(0.5)	LIB 100 Information Fluency in the Digital World	2.0		
Total 17.0		MTH 210 Calculus I (Area B4)	4.0		
		NAU 104 Shipboard Security and Responsibility▶	1.0		
		Total 18.0			
<u>FALL 2019</u>		<u>SPRING 2020</u>		<u>SUMMER CRUISE 2020</u>	
COM 220L Programming Apps for ET Majors Lab	1.0	EGL 110 Speech Communication (Area A1)	3.0	CRU 250 Sea Training II	8.0
EGL 220 Critical Thinking	3.0	EPO 235 Steam Plant Watch Team Management▶*▶	1.0	Total 8.0	
[Critical Thinking Elective] (Area A3)		EPO 312 Turbines▶*▶	3.0		
EPO 210 Plant Operations II▶	1.0	ET 230 Properties of Materials*▶	2.0		
EPO 214 Boilers▶*▶	3.0	ET 232 Statics*▶	3.0		
EPO 215 Manufacturing Processes I▶	1.0	PHY 205 Engineering Physics II (Area B1)	4.0		
EPO 230 Steam Plant System Operations▶*▶	1.0	Total 16.0			
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					
<u>FALL 2020</u>		<u>SPRING 2021</u>		<u>SUMMER CRUISE 2021</u>	
Humanities Elective (Area C-Upper Div)	3.0	EGL 300 Advanced Writing	(3.0)	CRU 350 Sea Training III▶	8.0
ET 230L Properties of Materials Lab*▶	1.0	EPO 310 Plant Operations III▶	1.0	Total 8.0	
ET 250 Electrical Circuits*▶	3.0	EPO 315 Manufacturing Processes II	1.0		
ET 250L Electrical Circuits Lab▶*▶	1.0	EPO 322 Diesel Engineering II/Simulator*▶	1.0		
ET 330 Dynamics*▶	3.0	EPO 322L Diesel Engineering II/Simulator Lab▶*▶	1.0		
ET 332 Strength of Materials*▶	3.0	ET 340 Fluid Mechanics*▶	3.0		
ET 344 Thermodynamics*▶	3.0	ET 340L Fluid Mechanics Lab*▶	1.0		
FF 200 Basic/Advanced Marine Firefighting▶	0.0	ET 342 Refrigeration and Air Conditioning*▶	2.0		
Total 17.0		ET 342L Refrigeration and Air Conditioning Lab▶*▶	1.0		
		ET 370 Electronics▶*▶	3.0		
		ET 370L Electronics Lab*▶	1.0		
		Total 15.0			
<u>FALL 2021</u>		<u>SPRING 2022</u>		<p style="text-align: center;">THIRD ASSISTANT ENGINEER'S/OICEW LICENSE REQUIRED FOR GRADUATION</p> <p>CSU Writing Proficiency Requirements may be met by passing the Graduate Writing Exam, or passing EGL 300 Advanced Writing.</p> <p>▶ STCW Courses (Must receive a "C-" or higher, or "CR")</p> <p>* Courses in Major (CGPA = 2.0 is required)</p>	
ENG 430 Naval Architecture▶*▶	3.0	Social Science Elective (Area D-Upper Div)	3.0		
ENG 470 Engineering Management*▶	3.0	ENG 310 Engineering Ethics (Area D-Upper Div)	3.0		
ET 350 Electrical Machinery*▶	3.0	EPO 217 Shipboard Medical▶	1.0		
ET 350L Electrical Machinery Lab▶*▶	1.0	ET 460 Automation*▶	3.0		
ET 400 Instrumentation and Measurement*▶	3.0	ET 460L Automation Lab▶*▶	1.0		
ET 400L Instrumentation and Measurement Lab*▶	1.0	ET 490 Power Engineering Technology*▶	3.0		
GOV 200 American Government	3.0	ET 490L Power Engineering Technology Lab*▶	1.0		
[American Institutions II Elective] (Area D-Lower Div)		Total 15.0			
Total 17.0					