

**CLASS OF 2020
MARINE ENGINEERING TECHNOLOGY MAJOR
DIVISIONS 3&4
CURRICULUM**

**REVISED 11/28/18
Subject to Change**

Total Units: 159

Third Assistant Engineer's/OICEW License Required For Graduation

Writing Proficiency Requirement: All Junior students must demonstrate upper division writing competency as a graduation requirement. This may be fulfilled by passing either the Graduation Writing Exam or EGL 300 Advanced Writing.

FALL 2016		SPRING 2017		SUMMER CRUISE 2017	
CHE 110	General Chemistry	3.0	DL 105	Marine Survival▶	1.0
CHE 110L	General Chemistry Lab	1.0	DL 105L	Marine Survival Lab▶	1.0
ENG 100	Engineering Graphics▶	2.0	DL 105X	USCG Lifeboatman's Exam	0.0
EPO 110	Plant Operations I▶	1.0	EGL 100	English Composition	3.0
EPO 125	Introduction to Marine Engineering*	3.0	ELEC 8	American Institutions Elective	3.0
EPO 125L	Introduction to Marine Engineering Lab*	1.0	ELEC 21	Humanities Elective (Lower Division)	3.0
EPO 213	Welding Lab▶	1.0	LIB 100	Information Fluency in the Digital World	2.0
ET 110	Introduction to Engineering Technology*	1.0	MTH 210	Calculus I	4.0
MTH 100	College Algebra and Trigonometry	4.0	NAU 104	VPDSD▶	1.0
PE 101	Swim Competency Exam	0.0			
PE 102	Beginning/Intermediate Swimming	(0.5)			
	Total	17.0			Total 18.0
FALL 2017		SPRING 2018		SUMMER CRUISE 2018	
COM 220L	Programming Applications for Engr. Tech Majors Lab	1.0	EGL 110	Speech Communication	3.0
ELEC 20	Critical Thinking Elective	3.0	EPO 235	Steam Plant Watch Team Management▶*	1.0
EPO 210	Plant Operations II▶	1.0	EPO 312	Turbines▶*	3.0
EPO 214	Boilers▶*	3.0	ET 230	Properties of Materials*	2.0
EPO 215	Manufacturing Processes I▶	1.0	ET 232	Statics*	3.0
EPO 230	Steam Plant System Operations▶*	1.0	PHY 205	Engineering Physics II	4.0
MTH 211	Calculus II	4.0			
PHY 200	Engineering Physics I	3.0			
PHY 200L	Engineering Physics I Lab	1.0			
	Total	18.0			Total 16.0
FALL 2018		SPRING 2019		SUMMER CRUISE 2019	
ELEC 22	Humanities Elective (Upper Division)	3.0	EGL 300	Advanced Writing	(3.0)
ET 230L	Properties of Materials Lab*	1.0	EPO 310	Plant Operations III▶	1.0
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
	Total	17.0	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 200	Basic/Advanced Marine Firefighting▶	0.0
					Total 15.0
FALL 2019		SPRING 2020			
ELEC 9	American Institutions Elective	3.0	ELEC 32	Social Science Elective (Upper Division)	3.0
ENG 430	Naval Architecture▶*	3.0	EPO 217	Shipboard Medical▶	1.0
ENG 470	Engineering Management*	3.0	ET 460	Automation*	3.0
ET 350	Electrical Machinery*	3.0	ET 460L	Automation Lab▶*	1.0
ET 350L	Electrical Machinery Lab▶*	1.0	ET 490	Power Engineering Technology*	3.0
ET 400	Instrumentation and Measurement*	3.0	ET 490L	Power Engineering Technology Lab*	1.0
ET 400L	Instrumentation and Measurement Lab*	1.0	HUM 310	Engineering Ethics	3.0
	Total	17.0			Total 15.0

▶ **STCW Courses (Must receive a "C-" or higher, or "CR")**
* **Courses in Major (CGPA = 2.0 is required)**