

**CLASS OF 2020
MARINE ENGINEERING TECHNOLOGY MAJOR
DIVISIONS 1&2
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.

<u>FALL 2016</u>		<u>SPRING 2017</u>		<u>SUMMER CRUISE 2017</u>			
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		
ELEC 8	American Institutions Elective	3.0	DL 105X	USCG Lifeboatman's Exam	0.0		
ELEC 21	Humanities Elective (Lower Division)	3.0	EGL 100	English Composition	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	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	4.0		
			NAU 104	VPDSD▶	1.0		
				Total 18.0			
					Total 10.0		
<u>FALL 2017</u>		<u>SPRING 2018</u>		<u>SUMMER CRUISE 2018</u>			
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		Total 16.0			
PHY 200	Engineering Physics I	3.0					
PHY 200L	Engineering Physics I Lab	1.0					
	Total 18.0				Total 8.0		
<u>FALL 2018</u>		<u>SPRING 2019</u>		<u>SUMMER CRUISE 2019</u>			
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		
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 2019</u>		<u>SPRING 2020</u>		▶ STCW Courses (Must receive a "C-" or higher, or "CR") * Courses in Major (CGPA = 2.0 is required)			
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			