CLASS OF 2021 MARINE ENGINEERING TECHNOLOGY MAJOR DIVISIONS 1&2 CURRICULUM

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 2017		SPRING 2018		SUMMER CRUISE 2018	
CHE 110 General Chemistry	3.0	DL 105 Marine Survival	1.0	CRU 150 Sea Training I▶	8.0
CHE 110L General Chemistry Lab	1.0	DL 105L Marine Survival Lab	1.0	EPO 220 Diesel Engineering I*	2.0
ENG 100 Engineering Graphics▶	2.0	DL 105X USCG Lifeboatman's Exam	0.0		Total 10.0
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 125LIntroduction 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		Total 18.0		
PE 102 Beginning/Intermediate Swimming	(0.5)				
	Total 17.0				
FALL 2018		SPRING 2019		SUMMER CRUISE 2019	
COM 220L Programming Applications for Engr. Tech Majors Lab	1.0	EGL 110 Speech Communication	3.0	CRU 250 Sea Training II	8.0
ELEC 20 Critical Thinking Elective	3.0	EPO 235 Steam Plant Watch Team Management▶*	1.0		Total 8.0
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				
FALL 2019	Total 18.0	SPRING 2020		SUMMER CRUISE 2020	
	Total 18.0 3.0	SPRING 2020 EGL 300 Advanced Writing	(3.0)	SUMMER CRUISE 2020 CRU 350 Sea Training III▶	8.0
FALL 2019 ELEC 22 Humanities Elective (Upper Division) ET 230L Properties of Materials Lab ♣			(3.0) 1.0		8.0 Total 8.0
ELEC 22 Humanities Elective (Upper Division)	3.0	EGL 300 Advanced Writing	, ,		
ELEC 22 Humanities Elective (Upper Division) ET 230L Properties of Materials Lab*	3.0 1.0	EGL 300 Advanced Writing EPO 310 Plant Operations III▶	1.0		
ELEC 22 Humanities Elective (Upper Division) ET 230L Properties of Materials Lab* ET 250 Electrical Circuits*	3.0 1.0 3.0	EGL 300 Advanced Writing EPO 310 Plant Operations III▶ EPO 315 Manufacturing Processes II	1.0 1.0		
ELEC 22 Humanities Elective (Upper Division) ET 230L Properties of Materials Lab ET 250 Electrical Circuits ET 250L Electrical Circuits ♣	3.0 1.0 3.0 1.0	EGL 300 Advanced Writing EPO 310 Plant Operations III▶ EPO 315 Manufacturing Processes II EPO 322 Diesel Engineering II/Simulator ### Processes II	1.0 1.0 1.0		
ELEC 22 Humanities Elective (Upper Division) ET 230L Properties of Materials Lab ET 250 Electrical Circuits ET 250L Electrical Circuits Lab ET 330 Dynamics	3.0 1.0 3.0 1.0 3.0	EGL 300 Advanced Writing EPO 310 Plant Operations III▶ EPO 315 Manufacturing Processes II EPO 322 Diesel Engineering II/Simulator EPO 322L Diesel Engineering II/Simulator Lab▶ *	1.0 1.0 1.0 1.0		
ELEC 22 Humanities Elective (Upper Division) ET 230L Properties of Materials Lab ET 250 Electrical Circuits ET 250L Electrical Circuits Lab ET 330 Dynamics ET 332 Strength of Materials	3.0 1.0 3.0 1.0 3.0 3.0	EGL 300 Advanced Writing EPO 310 Plant Operations III▶ EPO 315 Manufacturing Processes II EPO 322 Diesel Engineering II/Simulator EPO 322L Diesel Engineering II/Simulator Lab▶ ET 340 Fluid Mechanics ### Table 1907 **Table	1.0 1.0 1.0 1.0 3.0		
ELEC 22 Humanities Elective (Upper Division) ET 230L Properties of Materials Lab ET 250 Electrical Circuits ET 250L Electrical Circuits Lab ET 330 Dynamics ET 332 Strength of Materials	3.0 1.0 3.0 1.0 3.0 3.0 3.0	EGL 300 Advanced Writing EPO 310 Plant Operations III▶ EPO 315 Manufacturing Processes II EPO 322 Diesel Engineering II/Simulator EPO 322L Diesel Engineering II/Simulator Lab▶ ET 340 Fluid Mechanics ET 340L Fluid Mechanics Lab ** ET 340L Fluid Mechanics Lab	1.0 1.0 1.0 1.0 3.0 1.0		
ELEC 22 Humanities Elective (Upper Division) ET 230L Properties of Materials Lab ET 250 Electrical Circuits ET 250L Electrical Circuits Lab ET 330 Dynamics ET 332 Strength of Materials	3.0 1.0 3.0 1.0 3.0 3.0 3.0	EGL 300 Advanced Writing EPO 310 Plant Operations III▶ EPO 315 Manufacturing Processes II EPO 322 Diesel Engineering II/Simulator EPO 322L Diesel Engineering II/Simulator Lab▶ ET 340 Fluid Mechanics ET 340L Fluid Mechanics Lab ET 342 Refrigeration and Air Conditioning	1.0 1.0 1.0 1.0 3.0 1.0 2.0		
ELEC 22 Humanities Elective (Upper Division) ET 230L Properties of Materials Lab ET 250 Electrical Circuits ET 250L Electrical Circuits Lab ET 330 Dynamics ET 332 Strength of Materials	3.0 1.0 3.0 1.0 3.0 3.0 3.0	EGL 300 Advanced Writing EPO 310 Plant Operations III▶ EPO 315 Manufacturing Processes II EPO 322 Diesel Engineering II/Simulator♣ EPO 322L Diesel Engineering II/Simulator♣ ET 340L Fluid Mechanics♣ ET 340L Fluid Mechanics♣ ET 342L Refrigeration and Air Conditioning♣ ET 342L Refrigeration and Air Conditioning Lab▶♣ ET 370 Electronics▶♣ ET 370L Electronics Lab♣	1.0 1.0 1.0 1.0 3.0 1.0 2.0		
ELEC 22 Humanities Elective (Upper Division) ET 230L Properties of Materials Lab ET 250 Electrical Circuits ET 250L Electrical Circuits Lab ET 330 Dynamics ET 332 Strength of Materials	3.0 1.0 3.0 1.0 3.0 3.0 3.0	EGL 300 Advanced Writing EPO 310 Plant Operations III▶ EPO 315 Manufacturing Processes II EPO 322 Diesel Engineering II/Simulator EPO 322L Diesel Engineering II/Simulator Lab▶ ET 340 Fluid Mechanics ET 340L Fluid Mechanics Lab ET 342 Refrigeration and Air Conditioning ET 342L Refrigeration and Air Conditioning Lab▶ ET 370 Electronics▶	1.0 1.0 1.0 1.0 3.0 1.0 2.0 1.0 3.0		
ELEC 22 Humanities Elective (Upper Division) ET 230L Properties of Materials Lab ET 250 Electrical Circuits ET 250L Electrical Circuits Lab ET 330 Dynamics ET 332 Strength of Materials	3.0 1.0 3.0 1.0 3.0 3.0 3.0	EGL 300 Advanced Writing EPO 310 Plant Operations III▶ EPO 315 Manufacturing Processes II EPO 322 Diesel Engineering II/Simulator♣ EPO 322L Diesel Engineering II/Simulator♣ ET 340L Fluid Mechanics♣ ET 340L Fluid Mechanics♣ ET 342L Refrigeration and Air Conditioning♣ ET 342L Refrigeration and Air Conditioning Lab▶♣ ET 370 Electronics▶♣ ET 370L Electronics Lab♣	1.0 1.0 1.0 1.0 3.0 1.0 2.0 1.0 3.0		
ELEC 22 Humanities Elective (Upper Division) ET 230L Properties of Materials Lab* ET 250 Electrical Circuits* ET 250L Electrical Circuits Lab* ET 330 Dynamics* ET 332 Strength of Materials* ET 344 Thermodynamics*	3.0 1.0 3.0 1.0 3.0 3.0 3.0	EGL 300 Advanced Writing EPO 310 Plant Operations III▶ EPO 315 Manufacturing Processes II EPO 322 Diesel Engineering II/Simulator♣ EPO 322L Diesel Engineering II/Simulator♣ ET 340 Fluid Mechanics♣ ET 340L Fluid Mechanics Lab♣ ET 342L Refrigeration and Air Conditioning♣ ET 342L Refrigeration and Air Conditioning Lab▶♣ ET 370L Electronics▶♣ ET 370L Electronics Lab♣ FF 200 Basic/Advanced Marine Firefighting▶ SPRING 2021	1.0 1.0 1.0 1.0 3.0 1.0 2.0 1.0 3.0 1.0		
ELEC 22 Humanities Elective (Upper Division) ET 230L Properties of Materials Lab* ET 250 Electrical Circuits* ET 250L Electrical Circuits Lab* ET 330 Dynamics* ET 332 Strength of Materials* ET 344 Thermodynamics* FALL 2020 ELEC 9 American Institutions Elective	3.0 1.0 3.0 1.0 3.0 3.0 3.0 Total 17.0	EGL 300 Advanced Writing EPO 310 Plant Operations III▶ EPO 315 Manufacturing Processes II EPO 322 Diesel Engineering II/Simulator♣ EPO 322L Diesel Engineering II/Simulator♣ ET 340 Fluid Mechanics♣ ET 340L Fluid Mechanics♣ ET 342L Refrigeration and Air Conditioning♣ ET 342L Refrigeration and Air Conditioning♣ ET 370L Electronics▶♠ ET 370L Electronics▶♠ ET 370L Bectronics Lab♣ FF 200 Basic/Advanced Marine Firefighting▶ SPRING 2021 ELEC 32 Social Science Elective (Upper Division)	1.0 1.0 1.0 1.0 3.0 1.0 2.0 1.0 3.0 1.0 0.0 Total 15.0	CRU 350 Sea Training III▶	Total 8.0
ELEC 22 Humanities Elective (Upper Division) ET 230L Properties of Materials Lab ET 250 Electrical Circuits ET 250L Electrical Circuits Lab ET 330 Dynamics ET 332 Strength of Materials ET 344 Thermodynamics FALL 2020 ELEC 9 American Institutions Elective ENG 430 Naval Architecture #	3.0 1.0 3.0 1.0 3.0 3.0 3.0 Total 17.0	EGL 300 Advanced Writing EPO 310 Plant Operations III▶ EPO 315 Manufacturing Processes II EPO 322 Diesel Engineering II/Simulator♣ EPO 322L Diesel Engineering II/Simulator♣ ET 340 Fluid Mechanics♣ ET 340L Fluid Mechanics♣ ET 342L Refrigeration and Air Conditioning♣ ET 342L Refrigeration and Air Conditioning♣ ET 370L Electronics▶♣ ET 370L Electronics▶♣ ET 370L Basic/Advanced Marine Firefighting▶ SPRING 2021 ELEC 32 Social Science Elective (Upper Division) EPO 217 Shipboard Medical▶	1.0 1.0 1.0 1.0 3.0 1.0 2.0 1.0 3.0 1.0 0.0 Total 15.0	CRU 350 Sea Training III▶ ► STCW Courses (Must receive a **	Total 8.0
ELEC 22 Humanities Elective (Upper Division) ET 230L Properties of Materials Lab ET 250 Electrical Circuits ET 250L Electrical Circuits Lab ET 330 Dynamics ET 332 Strength of Materials ET 344 Thermodynamics FALL 2020 ELEC 9 American Institutions Elective ENG 430 Naval Architecture ENG 470 Engineering Management ET 230L Properties (Upper Division) ###################################	3.0 1.0 3.0 1.0 3.0 3.0 3.0 Total 17.0	EGL 300 Advanced Writing EPO 310 Plant Operations III▶ EPO 315 Manufacturing Processes II EPO 322 Diesel Engineering II/Simulator♣ EPO 322L Diesel Engineering II/Simulator Lab▶♣ ET 340 Fluid Mechanics♣ ET 340L Fluid Mechanics Lab♣ ET 342L Refrigeration and Air Conditioning♣ ET 342L Refrigeration and Air Conditioning Lab▶♣ ET 370L Electronics▶♣ ET 370L Electronics Lab♣ FF 200 Basic/Advanced Marine Firefighting▶ SPRING 2021 ELEC 32 Social Science Elective (Upper Division) EPO 217 Shipboard Medical▶ ET 460 Automation♣	1.0 1.0 1.0 1.0 3.0 1.0 2.0 1.0 3.0 1.0 3.0 1.0 3.0 1.0 3.0 1.0 3.0 1.0 3.0 3.0	CRU 350 Sea Training III STCW Courses (Must receive a for "CR")	Total 8.0 'C-" or higher,
ELEC 22 Humanities Elective (Upper Division) ET 230L Properties of Materials Lab ET 250 Electrical Circuits ET 250L Electrical Circuits Lab ET 330 Dynamics ET 332 Strength of Materials ET 344 Thermodynamics FALL 2020 ELEC 9 American Institutions Elective ENG 430 Naval Architecture ENG 470 Engineering Management ET 350 Electrical Machinery ET 350 Electrical Machinery	3.0 1.0 3.0 1.0 3.0 3.0 3.0 Total 17.0	EGL 300 Advanced Writing EPO 310 Plant Operations III▶ EPO 315 Manufacturing Processes II EPO 322 Diesel Engineering II/Simulator♣ EPO 322L Diesel Engineering II/Simulator Lab▶♣ ET 340 Fluid Mechanics♣ ET 340L Fluid Mechanics Lab♣ ET 342 Refrigeration and Air Conditioning♣ ET 342L Refrigeration and Air Conditioning Lab▶♣ ET 370L Electronics▶♣ ET 370L Electronics Lab♣ FF 200 Basic/Advanced Marine Firefighting▶ SPRING 2021 ELEC 32 Social Science Elective (Upper Division) EPO 217 Shipboard Medical▶ ET 460 Automation♣ ET 460L Automation Lab▶♣	1.0 1.0 1.0 1.0 3.0 1.0 2.0 1.0 3.0 1.0 0.0 Total 15.0	CRU 350 Sea Training III▶ ► STCW Courses (Must receive a **	Total 8.0 'C-" or higher,
ELEC 22 Humanities Elective (Upper Division) ET 230L Properties of Materials Lab ET 250 Electrical Circuits ET 250L Electrical Circuits Lab ET 330 Dynamics ET 332 Strength of Materials ET 344 Thermodynamics FALL 2020 ELEC 9 American Institutions Elective ENG 430 Naval Architecture ENG 470 Engineering Management ET 350 Electrical Machinery ET 350L Electrical Machinery ET 350L Electrical Machinery Lab ** ** ** ** ** ** ** ** **	3.0 1.0 3.0 1.0 3.0 3.0 3.0 Total 17.0	EGL 300 Advanced Writing EPO 310 Plant Operations III▶ EPO 315 Manufacturing Processes II EPO 322 Diesel Engineering II/Simulator♣ EPO 322L Diesel Engineering II/Simulator♣ ET 340 Fluid Mechanics♣ ET 340L Fluid Mechanics♣ ET 342L Refrigeration and Air Conditioning♣ ET 342L Refrigeration and Air Conditioning♣ ET 370 Electronics▶♣ ET 370L Electronics Lab♣ FF 200 Basic/Advanced Marine Firefighting▶ SPRING 2021 ELEC 32 Social Science Elective (Upper Division) EPO 217 Shipboard Medical▶ ET 460 Automation♣ ET 460L Automation Lab▶♣ ET 490 Power Engineering Technology♣	1.0 1.0 1.0 1.0 3.0 1.0 2.0 1.0 3.0 1.0 0.0 Total 15.0 3.0 1.0 3.0 1.0 3.0 1.0 3.0 1.0 3.0	CRU 350 Sea Training III STCW Courses (Must receive a for "CR")	Total 8.0 'C-" or higher,
ELEC 22 Humanities Elective (Upper Division) ET 230L Properties of Materials Lab ET 250 Electrical Circuits ET 250L Electrical Circuits Lab ET 330 Dynamics ET 332 Strength of Materials ET 344 Thermodynamics ET 344 Thermodynamics ENG 430 Naval Architecture ENG 470 Engineering Management ET 350 Electrical Machinery ET 350L Electrical Machinery ET 400 Instrumentation and Measurement ET 400 Instrumentation and Measurement	3.0 1.0 3.0 1.0 3.0 3.0 3.0 Total 17.0	EGL 300 Advanced Writing EPO 310 Plant Operations III▶ EPO 315 Manufacturing Processes II EPO 322 Diesel Engineering II/Simulator♣ EPO 322L Diesel Engineering II/Simulator♣ ET 340 Fluid Mechanics♣ ET 340L Fluid Mechanics♣ ET 342L Refrigeration and Air Conditioning♣ ET 342L Refrigeration and Air Conditioning♣ ET 370 Electronics▶♠ ET 370L Electronics▶♠ ET 370L Electronics Lab♣ FF 200 Basic/Advanced Marine Firefighting▶ SPRING 2021 ELEC 32 Social Science Elective (Upper Division) EPO 217 Shipboard Medical▶ ET 460 Automation♣ ET 460L Automation♣ ET 490 Power Engineering Technology♣ ET 490L Power Engineering Technology Lab♣	1.0 1.0 1.0 1.0 1.0 3.0 1.0 2.0 1.0 3.0 1.0 0.0 Total 15.0 3.0 1.0 3.0 1.0 3.0 1.0 3.0 1.0	CRU 350 Sea Training III STCW Courses (Must receive a for "CR")	Total 8.0 'C-" or higher,
ELEC 22 Humanities Elective (Upper Division) ET 230L Properties of Materials Lab ET 250 Electrical Circuits ET 250L Electrical Circuits Lab ET 330 Dynamics ET 332 Strength of Materials ET 344 Thermodynamics FALL 2020 ELEC 9 American Institutions Elective ENG 430 Naval Architecture ENG 470 Engineering Management ET 350 Electrical Machinery ET 350L Electrical Machinery ET 350L Electrical Machinery Lab ** ** ** ** ** ** ** ** **	3.0 1.0 3.0 1.0 3.0 3.0 3.0 Total 17.0	EGL 300 Advanced Writing EPO 310 Plant Operations III▶ EPO 315 Manufacturing Processes II EPO 322 Diesel Engineering II/Simulator♣ EPO 322L Diesel Engineering II/Simulator♣ ET 340 Fluid Mechanics♣ ET 340L Fluid Mechanics♣ ET 342L Refrigeration and Air Conditioning♣ ET 342L Refrigeration and Air Conditioning♣ ET 370 Electronics▶♣ ET 370L Electronics Lab♣ FF 200 Basic/Advanced Marine Firefighting▶ SPRING 2021 ELEC 32 Social Science Elective (Upper Division) EPO 217 Shipboard Medical▶ ET 460 Automation♣ ET 460L Automation Lab▶♣ ET 490 Power Engineering Technology♣	1.0 1.0 1.0 1.0 3.0 1.0 2.0 1.0 3.0 1.0 0.0 Total 15.0 3.0 1.0 3.0 1.0 3.0 1.0 3.0 1.0 3.0	CRU 350 Sea Training III STCW Courses (Must receive a for "CR")	Total 8.0 'C-" or higher,