

**STUDENTS ENTERING IN 2019
FACILITIES ENGINEERING TECHNOLOGY MAJOR
DIVISIONS 1&2
CURRICULUM**

REVISED 3/25/22
Subject to Change

Total Units: 154

FALL 2019			SPRING 2020			SUMMER CRUISE 2020		
CHE 110	General Chemistry (Area B1)	3.0	Humanities Elective (Area C2-Lower Div)	3.0	CRU 150 Sea Training I	8.0		
CHE 110L	General Chemistry Lab (Area B3)	1.0	CHE 205 Chemistry of Plant Processes* (Area B1)	3.0	EPO 220 Diesel Engineering I*	2.0		
ENG 100	Engineering Graphics	2.0	DL 105 Marine Survival	1.0				Total 10.0
EPO 110	Plant Operations I	1.0	DL 105L Marine Survival Lab	1.0				
EPO 125	Introduction to Marine Engineering*	3.0	DL 105X USCG Lifeboatman's Exam	0.0				
EPO 125L	Introduction to Marine Engineering Lab*	1.0	EGL 100 English Composition (Area A2) "G4"	3.0				
EPO 213	Welding Lab	1.0	FF 200 Basic/Advanced Marine Firefighting	0.0				
ET 110	Introduction to Engineering Technology*	1.0	LIB 100 Information Fluency in the Digital World	2.0				
MTH 100	College Algebra and Trigonometry (Area B4) "G4"	4.0	MTH 210 Calculus I (Area B4)	4.0				
PE 101	Swim Competency Exam	0.0	NAU 104 Shipboard Security and Responsibility	1.0				
PE 102	Beginning/Intermediate Swimming	(0.5)						
	Total	17.0			Total	18.0		
FALL 2020			SPRING 2021			SUMMER CO-OP 2021		
COM 220L	Programming Apps for ET Majors Lab	1.0	American Institutions I Elective (Area D-Lower Div)	3.0	CEP 270 FET Co-Op I	3.0		
EGL 220	Critical Thinking [Critical Thinking Elective] (Area A3) "G4"	3.0	EGL 110 Speech Communication (Area A1) "G4"	3.0				Total 3.0
EPO 210	Plant Operations II	1.0	EPO 235 Steam Plant Watch Team Management*	1.0				
EPO 214	Boilers*	3.0	EPO 312 Turbines*	3.0				
EPO 215	Manufacturing Processes I	1.0	ET 230 Properties of Materials*	2.0				
EPO 230	Steam Plant System Operations*	1.0	ET 232 Statics*	3.0				
MTH 211	Calculus II (Area B4)	4.0	PHY 205 Engineering Physics II (Area B1)	4.0				
PHY 200	Engineering Physics I (Area B1)	3.0						
PHY 200L	Engineering Physics I Lab (Area B3)	1.0						
	Total	18.0			Total	19.0		
FALL 2021			SPRING 2022			SUMMER CO-OP 2022		
Humanities Elective	(Area C-Upper Div)	3.0	EGL 300 Advanced Writing	(3.0)	CEP 370 FET Co-Op II	3.0		
EPO 319	Facilities Engineering Diagnostics Lab*	1.0	EPO 310 Plant Operations III	1.0				Total 3.0
ET 230L	Properties of Materials Lab*	1.0	EPO 315 Manufacturing Processes II	1.0				
ET 250	Electrical Circuits*	3.0	EPO 321 Introduction to Power Generation Plants*	1.0				
ET 250L	Electrical Circuits Lab*	1.0	ET 340 Fluid Mechanics*	3.0				
ET 330	Dynamics*	3.0	ET 340L Fluid Mechanics Lab*	1.0				
ET 332	Strength of Materials*	3.0	ET 342 Refrigeration and Air Conditioning*	2.0				
ET 344	Thermodynamics*	3.0	ET 342L Refrigeration and Air Conditioning Lab*	1.0				
	Total	18.0	ET 370 Electronics*	3.0				
			ET 370L Electronics Lab*	1.0				
					Total	14.0		
FALL 2022			SPRING 2023			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) * Courses in Major (CGPA = 2.0 is required)		
ENG 470	Engineering Management*	3.0	Social Science Elective (Area D-Upper Div)	3.0				
ET 350	Electrical Machinery*	3.0	ENG 310 Engineering Ethics (Area D-Upper Div)	3.0				
ET 350L	Electrical Machinery Lab*	1.0	ENG 472 Facilities Management*	3.0				
ET 400	Instrumentation and Measurement*	3.0	ET 460 Automation*	3.0				
ET 400L	Instrumentation and Measurement Lab*	1.0	ET 460L Automation Lab*	1.0				
ET 442	Heating, Ventilation, and A/C*	2.0	ET 490 Power Engineering Technology*	3.0				
ET 442L	Heating, Ventilation, and A/C Lab*	1.0	ET 490L Power Engineering Technology Lab*	1.0				
GOV 200	American Government [American Institutions II Elective] (Area D-Lower Div)	3.0						
	Total	17.0		Total	17.0			