

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

REVISED 1/15/21
Subject to Change

Total Units: 154

<u>FALL 2019</u>	<u>SPRING 2020</u>	<u>SUMMER CRUISE 2020</u>	
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		Total 10.0
EPO 110 Plant Operations I	1.0 DL 105L Marine Survival Lab		
EPO 125 Introduction to Marine Engineering*	3.0 DL 105X USCG Lifeboatman's Exam		
EPO 125L Introduction to Marine Engineering Lab*	1.0 EGL 100 English Composition (Area A2) "G4"		
EPO 213 Welding Lab	1.0 FF 200 Basic/Advanced Marine Firefighting		
ET 110 Introduction to Engineering Technology*	1.0 LIB 100 Information Fluency in the Digital World (Area E)		
MTH 100 College Algebra and Trigonometry (Area B4) "G4"	4.0 MTH 210 Calculus I (Area B4)		
PE 101 Swim Competency Exam	0.0 NAU 104 Shipboard Security and Responsibility		
PE 102 Beginning/Intermediate Swimming	(0.5)		
	Total 17.0	Total 18.0	
<u>FALL 2020</u>	<u>SPRING 2021</u>	<u>SUMMER CO-OP 2021</u>	
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	3.0 EGL 110 Speech Communication (Area A1) "G4"		Total 3.0
[Critical Thinking Elective] (Area A3) "G4"	EPO 235 Steam Plant Watch Team Management*		
EPO 210 Plant Operations II	1.0 EPO 312 Turbines*		
EPO 214 Boilers*	3.0 ET 230 Properties of Materials*		
EPO 215 Manufacturing Processes I	1.0 ET 232 Statics*		
EPO 230 Steam Plant System Operations*	1.0 PHY 205 Engineering Physics II (Area B1)		
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	Total 19.0	
<u>FALL 2021</u>	<u>SPRING 2022</u>	<u>SUMMER CO-OP 2022</u>	
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		Total 3.0
ET 230L Properties of Materials Lab*	1.0 EPO 315 Manufacturing Processes II		
ET 250 Electrical Circuits*	3.0 EPO 321 Introduction to Power Generation Plants*		
ET 250L Electrical Circuits Lab*	1.0 ET 340 Fluid Mechanics*		
ET 330 Dynamics*	3.0 ET 340L Fluid Mechanics Lab*		
ET 332 Strength of Materials*	3.0 ET 342 Refrigeration and Air Conditioning*		
ET 344 Thermodynamics*	3.0 ET 342L Refrigeration and Air Conditioning Lab*		
	Total 18.0	Total 14.0	
<u>FALL 2022</u>	<u>SPRING 2023</u>		
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	3.0		
[American Institutions II Elective] (Area D-Lower Div)			
	Total 17.0	Total 17.0	

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)