

**STUDENTS ENTERING IN 2022  
FACILITIES ENGINEERING TECHNOLOGY MAJOR  
DIVISIONS 3&4  
CURRICULUM ROADMAP**

**08/18/22  
Subject to Change**

**Total Units: 153**

<u>FALL 2022</u>	<u>SPRING 2023</u>	<u>SUMMER CRUISE 2023</u>	
American Institutions I Elective (Area D-Lower Div) or (Area F)	3.0 CHE 205 Chemistry of Plant Processes* (Area B1)	3.0 CRU 150 Sea Training I	8.0
Humanities Elective (Area C2-Lower Div)	3.0 DL 105 Marine Survival	1.0 EPO 220 Diesel Engineering I*	2.0
CHE 110 General Chemistry (Area B1)	3.0 DL 105L Marine Survival Lab		<b>Total 10.0</b>
CHE 110L General Chemistry Lab (Area B3)	1.0 DL 105X USCG Lifeboatman's Exam		
ENG 100 Engineering Graphics	2.0 EGL 100 English Composition (Area A2) "G4"		
ET 110 Introduction to Engineering Technology*	1.0 EPO 110 Plant Operations I		
FF 100 Basic Marine Firefighting	0.0 EPO 125 Introduction to Marine Engineering*		
(MTH 100 College Algebra and Trigonometry) ○	(4.0) EPO 125L Introduction to Marine Engineering Lab*		
PE 101 Swim Competency Exam	0.0 EPO 213 Welding Lab		
PE 102 Beginning/Intermediate Swimming	(0.5) MTH 210 Calculus I (Area B4)		
<b>Total</b>	13.0 NAU 104 Shipboard Security and Responsibility	<b>Total</b>	<b>19.0</b>
<u>FALL 2023</u>	<u>SPRING 2024</u>	<u>SUMMER CO-OP 2024</u>	
COM 220L Programming Applications for ET Majors Lab	1.0 EGL 110 Speech Communication (Area A1) "G4"	3.0 CEP 270 FET Co-Op I	3.0
EGL 220 Critical Thinking	3.0 EPO 235 Steam Plant Watch Team Management*		<b>Total 3.0</b>
[Critical Thinking Elective] (Area A3) "G4"	EPO 312 Turbines*		
EPO 210 Plant Operations II	1.0 ET 230 Properties of Materials*		
EPO 214 Boilers*	3.0 ET 232 Statics*		
EPO 215 Manufacturing Processes I	1.0 LIB 100 Information Fluency in the Digital World		
EPO 230 Steam Plant System Operations*	1.0 PHY 205 Engineering Physics II (Area B1)		
MTH 211 Calculus II (Area B4)	4.0	<b>Total</b>	<b>18.0</b>
PHY 200 Engineering Physics I (Area B1)	3.0		
PHY 200L Engineering Physics I Lab (Area B3)	1.0		
<b>Total</b>	<b>18.0</b>		
<u>FALL 2024</u>	<u>SPRING 2025</u>	<u>SUMMER CO-OP 2025</u>	
Humanities Elective (Area C-Upper Div)	3.0 CSU Graduate Writing Assessment Requirement (GWAR) Elective♦	3.0 CEP 370 FET Co-Op II	3.0
EPO 319 Facilities Engineering Diagnostics Lab*	1.0 Life Science Elective (Area B2)		<b>Total 3.0</b>
ET 230L Properties of Materials Lab*	1.0 EPO 310 Plant Operations III		
ET 250 Electrical Circuits*	3.0 EPO 315 Manufacturing Processes II		
ET 250L Electrical Circuits Lab*	1.0 EPO 321 Introduction to Power Generation Plants*		
ET 330 Dynamics*	3.0 ET 340 Fluid Mechanics*		
ET 332 Strength of Materials*	3.0 ET 340L Fluid Mechanics Lab*		
ET 344 Thermodynamics*	3.0 ET 342 Refrigeration and Air Conditioning*		
<b>Total</b>	18.0 ET 342L Refrigeration and Air Conditioning Lab*	<b>Total</b>	<b>17.0</b>
	ET 370 Electronics*		
	ET 370L Electronics Lab*		
<u>FALL 2025</u>	<u>SPRING 2026</u>		
ENG 470 Engineering Management*	3.0 Arts Elective (Area C1-Lower 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, Ventilating and A/C*	2.0 ET 490 Power Engineering Technology*	3.0	
ET 442L Heating, Ventilating and A/C Lab*	1.0 ET 490L Power Engineering Technology Lab*	1.0	
GOV 200 American Government	3.0	<b>Total</b>	<b>17.0</b>
[American Institutions II Elective] (Area D-Lower Div)			
<b>Total</b>	<b>17.0</b>		

"G4" "Golden 4" Courses (Must receive a "C-" or higher)

♦ The CSU Graduate Writing Assessment Requirement (GWAR) may be met by passing one of the following courses: EGL 300 Advanced Writing or EGL 302 Nonfiction Writing. (Must receive a "C-" or higher)

\* Courses in Major (CGPA = 2.0 is required)

○ **REMINDER:** Take MTH 100 College Algebra and Trigonometry in Fall 2022 if student is not calc-ready for MTH 210 Calculus I.