

**STUDENTS ENTERING IN 2024
FACILITIES ENGINEERING TECHNOLOGY MAJOR
DIVISIONS 1&2
CURRICULUM ROADMAP**

**05/09/24
Subject to Change**

Total Units: 153

<u>FALL 2024</u>	<u>SPRING 2025</u>	<u>SUMMER SEA TERM 2025</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	Total 8.0
ENG 100 Engineering Graphics 2.0	DL 105 Marine Survival 1.0	
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 100 Basic 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) ○ (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 18.0	
Total 13.0		
<u>FALL 2025</u>	<u>SPRING 2026</u>	<u>SUMMER INTERNSHIP 2026</u>
COM 220L Programming Applications for ET Majors Lab 1.0	American Institutions I Elective (Area D-Lower Div) or (Area F) 3.0	CEP 270 FET Co-Op I 3.0
EGL 220 Critical Thinking 3.0	EGL 110 Speech Communication (Area A1) "G4" 3.0	Total 3.0
[Critical Thinking Elective] (Area A3) "G4"	EPO 220 Diesel Engineering I* 1.0	
EPO 210 Plant Operations II 1.0	EPO 220L Diesel Engineering I Lab* 1.0	
EPO 214 Boilers* 3.0	EPO 235 Steam Plant Watch Team Management* 1.0	
EPO 215 Manufacturing Processes I 1.0	EPO 312 Turbines* 3.0	
EPO 230 Steam Plant System Operations* 1.0	ET 230 Properties of Materials* 2.0	
MTH 211 Calculus II (Area B4) 4.0	ET 232 Statics* 3.0	
PHY 200 Engineering Physics I (Area B1) 3.0	PHY 205 Engineering Physics II (Area B1) 3.0	
PHY 200L Engineering Physics I Lab (Area B3) 1.0	PHY 205L Engineering Physics II Lab 1.0	
Total 18.0	Total 21.0	
<u>FALL 2026</u>	<u>SPRING 2027</u>	<u>SUMMER INTERNSHIP 2027</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) 3.0	Total 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 321 Introduction to Power Generation Plants* 1.0	
ET 330 Dynamics* 3.0	ET 340 Fluid Mechanics* 3.0	
ET 332 Strength of Materials* 3.0	ET 340L Fluid Mechanics Lab* 1.0	
ET 344 Thermodynamics* 3.0	ET 342 Refrigeration and Air Conditioning* 2.0	
Total 18.0	ET 342L Refrigeration and Air Conditioning Lab* 1.0	
	ET 370 Electronics* 3.0	
	ET 370L Electronics Lab* 1.0	
	Total 17.0	
<u>FALL 2027</u>	<u>SPRING 2028</u>	
ET 350 Electrical Machinery* 3.0	Arts Elective (Area C1-Lower Div) 3.0	
ET 350L Electrical Machinery Lab* 1.0	ENG 310 Engineering Ethics (Area D-Upper Div) 3.0	
ET 400 Instrumentation and Measurement* 3.0	ENG 472 Facilities Management* 3.0	
ET 400L Instrumentation and Measurement Lab* 1.0	ET 460 Automation* 3.0	
ET 442 Heating, Ventilating and A/C* 2.0	ET 460L Automation Lab* 1.0	
ET 442L Heating, Ventilating and A/C Lab* 1.0	ET 490 Power Engineering Technology* 3.0	
ET 470 Engineering Management* 3.0	ET 490L Power Engineering Technology Lab* 1.0	
GOV 200 American Government 3.0	Total 17.0	
[American Institutions II Elective] (Area D-Lower Div)		
Total 17.0		

“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 2024 if student is not calc-ready for MTH 210 Calculus I.