

**STUDENTS ENTERING IN 2021
FACILITIES ENGINEERING TECHNOLOGY MAJOR
DIVISIONS 3&4
CURRICULUM ROADMAP**

REVISED 06/27/22
Subject to Change

Total Units: 153

FALL 2021

American Institutions I Elective (Area D-Lower Div) **or** (Area F)
Humanities Elective (Area C2-Lower Div)
CHE 110 General Chemistry (Area B1)
CHE 110L General Chemistry Lab (Area B3)
ENG 100 Engineering Graphics
ET 110 Introduction to Engineering Technology*
FF 100 Basic Marine Firefighting
PE 101 Swim Competency Exam
PE 102 Beginning/Intermediate Swimming

FALL 2022

COM 220L Programming Applications for ET Majors Lab
EGL 220 Critical Thinking
[Critical Thinking Elective] (Area A3) "G4"
EPO 210 Plant Operations II
EPO 214 Boilers*
EPO 215 Manufacturing Processes I
EPO 230 Steam Plant System Operations*
MTH 211 Calculus II (Area B4)
PHY 200 Engineering Physics I (Area B1)
PHY 200L Engineering Physics I Lab (Area B3)

FALL 2023

Humanities Elective (Area C-Upper Div)
EPO 319 Facilities Engineering Diagnostics Lab*
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 2024

ENG 470 Engineering Management*
ET 350 Electrical Machinery*
ET 350L Electrical Machinery Lab*
ET 400 Instrumentation and Measurement*
ET 400L Instrumentation and Measurement Lab*
ET 442 Heating, Ventilating and A/C*
ET 442L Heating, Ventilating and A/C Lab*
GOV 200 American Government
[American Institutions II Elective] (Area D-Lower Div)

SPRING 2022

3.0 CHE 205 Chemistry of Plant Processes* (Area B1)
3.0 DL 105 Marine Survival
3.0 DL 105L Marine Survival Lab
1.0 DL 105X USCG Lifeboatman's Exam
2.0 EGL 100 English Composition (Area A2) "G4"
1.0 EPO 110 Plant Operations I
0.0 EPO 125 Introduction to Marine Engineering*
0.0 EPO 125L Introduction to Marine Engineering Lab*
(0.5) EPO 213 Welding Lab
Total 13.0 MTH 210 Calculus I (Area B4)
NAU 104 Shipboard Security and Responsibility

SPRING 2023

1.0 EGL 110 Speech Communication (Area A1) "G4"
3.0 EPO 235 Steam Plant Watch Team Management*
EPO 312 Turbines*
1.0 ET 230 Properties of Materials*
3.0 ET 232 Statics*
1.0 LIB 100 Info Fluency in the Digital World
1.0 PHY 205 Engineering Physics II (Area B1)
4.0
Total 18.0

SPRING 2024

3.0 Life Science Elective (Area B2)
1.0 EGL 300 Advanced Writing (3.0)
1.0 EPO 310 Plant Operations III
3.0 EPO 315 Manufacturing Processes II
1.0 EPO 321 Introduction to Power Generation Plants*
3.0 ET 340 Fluid Mechanics*
3.0 ET 340L Fluid Mechanics Lab*
3.0 ET 342 Refrigeration and Air Conditioning*
Total 18.0 ET 342L Refrigeration and Air Conditioning Lab*
ET 370 Electronics*
ET 370L Electronics Lab*

SPRING 2025

3.0 Social Science Elective (Area D-Upper Div)
3.0 ENG 310 Engineering Ethics (Area D-Upper Div)
1.0 ENG 472 Facilities Management*
3.0 ET 460 Automation*
1.0 ET 460L Automation Lab*
2.0 ET 490 Power Engineering Technology*
1.0 ET 490L Power Engineering Technology Lab*
3.0

Total 17.0

SUMMER CRUISE 2022

3.0 CRU 150 Sea Training I
1.0 EPO 220 Diesel Engineering I*
Total 10.0

1.0
0.0
3.0
1.0
3.0
1.0
1.0
4.0
1.0
Total 19.0

SUMMER CO-OP 2023

3.0 CEP 270 FET Co-Op I
Total 3.0

1.0
3.0
2.0
3.0
2.0
4.0
Total 18.0

SUMMER CO-OP 2024

3.0 CEP 370 FET Co-Op II
Total 3.0

1.0
1.0
1.0
3.0
1.0
2.0
1.0
3.0
1.0
Total 17.0

CSU Writing Proficiency Requirements may be met by passing the Graduate Writing Exam (GWE) or passing EGL 300 Advanced Writing.

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

* Courses in Major (CGPA = 2.0 is required)

Total 17.0