

**STUDENTS ENTERING IN 2020
FACILITIES ENGINEERING TECHNOLOGY MAJOR
DIVISIONS 3&4
CURRICULUM**

REVISED 1/15/21
Subject to Change

Total Units: 154

FALL 2020

American Institutions I Elective (Area D-Lower Div) 3.0
Humanities Elective (Area C2-Lower Div) 3.0
CHE 110 General Chemistry (Area B1) 3.0
CHE 110L General Chemistry Lab (Area B3) 1.0
ENG 100 Engineering Graphics 2.0
ET 110 Introduction to Engineering Technology* 1.0
FF 200 Basic/Advanced Marine Firefighting 0.0
MTH 100 College Algebra and Trigonometry (Area B4) "G4" 4.0
PE 101 Swim Competency Exam 0.0
PE 102 Beginning/Intermediate Swimming (0.5)

SPRING 2021

CHE 205 Chemistry of Plant Processes* (Area B1) 3.0
DL 105 Marine Survival 3.0
DL 105L Marine Survival Lab 3.0
DL 105X USCG Lifeboatman's Exam 1.0
EGL 100 English Composition (Area A2) "G4" 2.0
EPO 110 Plant Operations I 1.0
EPO 125 Introduction to Marine Engineering* 3.0
EPO 125L Introduction to Marine Engineering Lab* 1.0
EPO 213 Welding Lab 1.0
MTH 210 Calculus I (Area B4) 4.0
NAU 104 Shipboard Security and Responsibility 1.0

SUMMER CRUISE 2021

CRU 150 Sea Training I 8.0
EPO 220 Diesel Engineering I* 2.0
Total 10.0

Total 19.0

FALL 2021

COM 220L Programming Applications for ET Majors Lab 1.0
EGL 220 Critical Thinking 3.0
[Critical Thinking Elective] (Area A3) "G4" 3.0
EPO 210 Plant Operations II 1.0
EPO 214 Boilers* 3.0
EPO 215 Manufacturing Processes I 1.0
EPO 230 Steam Plant System Operations* 1.0
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

SPRING 2022

EGL 110 Speech Communication (Area A1) "G4" 3.0
EPO 235 Steam Plant Watch Team Management* 1.0
EPO 312 Turbines* 3.0
ET 230 Properties of Materials* 2.0
ET 232 Statics* 3.0
LIB 100 Info Fluency in the Digital World (Area E) 2.0
PHY 205 Engineering Physics II (Area B1) 4.0

SUMMER CO-OP 2022

CEP 270 FET Co-Op I 3.0
Total 3.0

Total 18.0

FALL 2022

Humanities Elective (Area C-Upper Div) 3.0
EPO 319 Facilities Engineering Diagnostics Lab* 1.0
ET 230L Properties of Materials Lab* 1.0
ET 250 Electrical Circuits* 3.0
ET 250L Electrical Circuits Lab* 1.0
ET 330 Dynamics* 3.0
ET 332 Strength of Materials* 3.0
ET 344 Thermodynamics* 3.0

SPRING 2023

EGL 300 Advanced Writing (3.0)
EPO 310 Plant Operations III 1.0
EPO 315 Manufacturing Processes II 1.0
EPO 321 Introduction to Power Generation Plants* 1.0
ET 340 Fluid Mechanics* 3.0
ET 340L Fluid Mechanics Lab* 1.0
ET 342 Refrigeration and Air Conditioning* 2.0
ET 342L Refrigeration and Air Conditioning Lab* 1.0
ET 370 Electronics* 3.0
ET 370L Electronics Lab* 1.0

SUMMER CO-OP 2023

CEP 370 FET Co-Op II 3.0
Total 3.0

Total 14.0

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

FALL 2023

ENG 470 Engineering Management* 3.0
ET 350 Electrical Machinery* 3.0
ET 350L Electrical Machinery Lab* 1.0
ET 400 Instrumentation and Measurement* 3.0
ET 400L Instrumentation and Measurement Lab* 1.0
ET 442 Heating, Ventilation, and A/C* 2.0
ET 442L Heating, Ventilation, and A/C Lab* 1.0
GOV 200 American Government 3.0
[American Institutions II Elective] (Area D-Lower Div)

SPRING 2024

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

Total 17.0

Total 17.0

"G4" "Golden 4" Courses (Must receive a "C-" or higher)
* Courses in Major (CGPA = 2.0 is required)