

**STUDENTS ENTERING IN 2020
FACILITIES ENGINEERING TECHNOLOGY MAJOR
DIVISIONS 1&2
CURRICULUM**

REVISED 1/15/21
Subject to Change

Total Units: 154

FALL 2020

CHE 110 General Chemistry (Area B1)
CHE 110L General Chemistry Lab (Area B3)
ENG 100 Engineering Graphics
EPO 110 Plant Operations I
EPO 125 Introduction to Marine Engineering*
EPO 125L Introduction to Marine Engineering Lab*
EPO 213 Welding Lab
ET 110 Introduction to Engineering Technology*
MTH 100 College Algebra and Trigonometry (Area B4) "G4"
PE 101 Swim Competency Exam
PE 102 Beginning/Intermediate Swimming

SPRING 2021

Humanities Elective (Area C2-Lower Div)
CHE 205 Chemistry of Plant Processes* (Area B1)
DL 105 Marine Survival
DL 105L Marine Survival Lab
DL 105X USCG Lifeboatman's Exam
EGL 100 English Composition (Area A2) "G4"
FF 200 Basic/Advanced Marine Firefighting
LIB 100 Info Fluency in the Digital World (Area E)
MTH 210 Calculus I (Area B4)
NAU 104 Shipboard Security and Responsibility
(0.5)
Total 17.0

SUMMER CRUISE 2021

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

FALL 2021

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)

SPRING 2022

American Institutions I Elective (Area D-Lower Div)
EGL 110 Speech Communication (Area A1) "G4"
EPO 235 Steam Plant Watch Team Management*
EPO 312 Turbines*
ET 230 Properties of Materials*
ET 232 Statics*
PHY 205 Engineering Physics II (Area B1)
Total 18.0

SUMMER CO-OP 2022

CEP 270 FET Co-Op I 3.0
Total 3.0

FALL 2022

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*

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
Total 18.0

SUMMER CO-OP 2023

CEP 370 FET Co-Op II 3.0
Total 3.0

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*
ET 350 Electrical Machinery*
ET 350L Electrical Machinery Lab*
ET 400 Instrumentation and Measurement*
ET 400L Instrumentation and Measurement Lab*
ET 442 Heating, Ventilation, and A/C*
ET 442L Heating, Ventilation, and A/C Lab*
GOV 200 American Government
[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

3.0
3.0
3.0
3.0
1.0
3.0
1.0
Total 17.0

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