

**STUDENTS ENTERING IN 2021
FACILITIES ENGINEERING TECHNOLOGY MAJOR
DIVISIONS 1&2
CURRICULUM ROADMAP**

REVISED 06/27/22
Subject to Change

Total Units: 153

FALL 2021

CHE 110	General Chemistry (Area B1)	3.0
CHE 110L	General Chemistry Lab (Area B3)	1.0
ENG 100	Engineering Graphics	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
ET 110	Introduction to Engineering Technology*	1.0
PE 101	Swim Competency Exam	0.0
PE 102	Beginning/Intermediate Swimming	(0.5)

Total 13.0

SPRING 2022

Humanities Elective (Area C2-Lower Div)	3.0	
CHE 205	Chemistry of Plant Processes* (Area B1)	3.0
DL 105	Marine Survival	1.0
DL 105L	Marine Survival Lab	1.0
DL 105X	USCG Lifeboatman's Exam	0.0
EGL 100	English Composition (Area A2) "G4"	3.0
FF 100	Basic Marine Firefighting	0.0
LIB 100	Info Fluency in the Digital World	2.0
MTH 210	Calculus I (Area B4)	4.0
NAU 104	Shipboard Security and Responsibility	1.0

Total 18.0

SUMMER CRUISE 2022

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

Total 10.0

FALL 2022

COM 220L	Programming Applications for ET Majors Lab	1.0
EGL 220	Critical Thinking [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

Total 18.0

SPRING 2023

American Institutions I Elective (Area D-Lower Div) or (Area F)	3.0	
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
PHY 205	Engineering Physics II (Area B1)	4.0

Total 19.0

SUMMER CO-OP 2023

CEP 270	FET Co-Op I	3.0
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Total 3.0

FALL 2023

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

Total 18.0

SPRING 2024

Life Science Elective (Area B2)	3.0	
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 17.0

SUMMER CO-OP 2024

CEP 370	FET Co-Op II	3.0
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Total 3.0

FALL 2024

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, Ventilating and A/C*	2.0
ET 442L	Heating, Ventilating and A/C Lab*	1.0
GOV 200	American Government [American Institutions II Elective] (Area D-Lower Div)	3.0

Total 17.0

SPRING 2025

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

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)**