

**STUDENTS ENTERING IN 2024
FACILITIES ENGINEERING TECHNOLOGY MAJOR
DIVISIONS 3&4
CURRICULUM ROADMAP**

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

Total Units: 153

FALL 2024

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
(MTH 100 College Algebra and Trigonometry) ○
PE 101 Swim Competency Exam
PE 102 Beginning/Intermediate Swimming

Total

SPRING 2025

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"
EPO 110 Plant Operations I
EPO 125 Introduction to Marine Engineering*
EPO 125L Introduction to Marine Engineering Lab*
EPO 213 Welding Lab
MTH 210 Calculus I (Area B4)
NAU 104 Shipboard Security and Responsibility

Total

SUMMER SEA TERM 2025

CRU 150 Sea Training I

8.0
Total 8.0

FALL 2025

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)

Total

SPRING 2026

EGL 110 Speech Communication (Area A1) "G4"
EPO 220 Diesel Engineering I*
EPO 220L Diesel Engineering I Lab*
EPO 235 Steam Plant Watch Team Management*
EPO 312 Turbines*
ET 230 Properties of Materials*
ET 232 Statics*
LIB 100 Information Fluency in the Digital World
PHY 205 Engineering Physics II (Area B1)
PHY 205L Engineering Physics II Lab

Total

SUMMER INTERNSHIP 2026

CEP 270 FET Co-Op I

3.0
Total 3.0

FALL 2026

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*

Total

SPRING 2027

CSU Graduate Writing Assessment Requirement (GWAR) Elective◆ (3.0)
Life Science Elective (Area B2)
EPO 310 Plant Operations III
EPO 315 Manufacturing Processes II
EPO 321 Introduction to Power Generation Plants*
ET 340 Fluid Mechanics*
ET 340L Fluid Mechanics Lab*
ET 342 Refrigeration and Air Conditioning*
ET 342L Refrigeration and Air Conditioning Lab*
ET 370 Electronics*
ET 370L Electronics Lab*

Total

SUMMER INTERNSHIP 2027

CEP 370 FET Co-Op II

3.0
Total 3.0

FALL 2027

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*
ET 470 Engineering Management*
GOV 200 American Government
[American Institutions II Elective] (Area D-Lower Div)

Total

SPRING 2028

Arts Elective (Area C1-Lower Div)
ENG 310 Engineering Ethics (Area D-Upper Div)
ENG 472 Facilities Management*
ET 460 Automation*
ET 460L Automation Lab*
ET 490 Power Engineering Technology*
ET 490L Power Engineering Technology Lab*

Total

"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.