

**STUDENTS ENTERING IN 2025
FACILITIES ENGINEERING TECHNOLOGY MAJOR
DIVISIONS 3&4
CURRICULUM ROADMAP**

**03/12/25
Subject to Change**

Total Units: 153

FALL 2025

American Institutions I Elective (Area 4-Lower Div) or (Area 6)
Humanities Elective (Area 3B-Lower Div)
CHE 110 General Chemistry (Area 5A-Lower Div)
CHE 110L General Chemistry Lab (Area 5C-Lower Div)
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 2026

3.0 CHE 205 Chemistry of Plant Processes* (Area 5A-Lower Div)
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 1A) "G4"
1.0 EPO 110 Plant Operations I
0.0 EPO 125 Introduction to Marine Engineering*
(4.0) EPO 125L Introduction to Marine Engineering Lab*
0.0 EPO 213 Welding Lab
(0.5) MTH 210 Calculus I (Area 2-Lower Div) "G4"
NAU 104 Shipboard Security and Responsibility

Total

SUMMER SEA TERM 2026

CRU 150 Sea Training I 8.0
Total 8.0

English Communication

Mathematical Concepts and Quantitative Reasoning

Arts and Humanities

FALL 2026

COM 220L Programming Applications for ET Majors Lab
EGL 220 Critical Thinking
[Critical Thinking Elective] (Area 1B) "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 2-Lower Div)
PHY 200 Engineering Physics I (Area 5A-Lower Div)
PHY 200L Engineering Physics I Lab (Area 5C-Lower Div)

Total

SPRING 2027

1.0 EGL 110 Speech Communication (Area 1C) "G4"
3.0 EPO 220 Diesel Engineering I*
EPO 220L Diesel Engineering I Lab*
1.0 EPO 235 Steam Plant Watch Team Management*
3.0 EPO 312 Turbines*
1.0 ET 230 Properties of Materials*
1.0 ET 232 Statics*
4.0 LIB 100 Information Fluency in the Digital World
3.0 PHY 205 Engineering Physics II (Area 5A-Lower Div)
1.0 PHY 205L Engineering Physics II Lab (Area 5C-Lower Div)

Total

SUMMER INTERNSHIP 2027

CEP 270 FET Co-Op I 3.0
Total 3.0

Social and Behavioral Sciences

Physical and Biological Sciences

Ethnic Studies

FALL 2027

Humanities Elective (Area 3-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 2028

3.0 CSU Graduate Writing Assessment Requirement (GWAR) Elective♦ (3.0)
1.0 Life Science Elective (Area 5B-Lower Div) 3.0
1.0 EPO 310 Plant Operations III 1.0
3.0 EPO 315 Manufacturing Processes II 1.0
1.0 EPO 321 Introduction to Power Generation Plants* 1.0
3.0 ET 340 Fluid Mechanics* 3.0
3.0 ET 340L Fluid Mechanics Lab* 1.0
3.0 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

SUMMER INTERNSHIP 2028

CEP 370 FET Co-Op II 3.0
Total 3.0

"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 2025 if student is not calc-ready for MTH 210 Calculus I.

FALL 2028

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 4-Lower Div)

Total

SPRING 2029

3.0 Arts Elective (Area 3A-Lower Div) 3.0
1.0 ENG 310 Engineering Ethics (Area 4-Upper Div) 3.0
3.0 ENG 472 Facilities Management* 3.0
1.0 ET 460 Automation* 3.0
2.0 ET 460L Automation Lab* 1.0
1.0 ET 490 Power Engineering Technology* 3.0
3.0 ET 490L Power Engineering Technology Lab* 1.0

Total

3.0

3.0

3.0

3.0

1.0

3.0

1.0

17.0