

**STUDENTS ENTERING IN 2023  
FACILITIES ENGINEERING TECHNOLOGY MAJOR  
DIVISIONS 3&4  
CURRICULUM ROADMAP**

**03/21/23  
Subject to Change**

**Total Units: 153**

**FALL 2023**

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 2024**

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 CRUISE 2024**

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

**Total 10.0**

**19.0**

**FALL 2024**

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 2025**

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\*  
LIB 100 Information Fluency in the Digital World  
PHY 205 Engineering Physics II (Area B1)  
PHY 205L Engineering Physics II Lab

**Total**

**SUMMER CO-OP 2025**

CEP 270 FET Co-Op I 3.0

**Total 3.0**

**18.0**

**FALL 2025**

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 2026**

CSU Graduate Writing Assessment Requirement (GWAR) Elective♦ (3.0)  
Life Science Elective (Area B2) 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**

**SUMMER CO-OP 2026**

CEP 370 FET Co-Op II 3.0

**Total 3.0**

**17.0**

**FALL 2026**

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

**Total**

**SPRING 2027**

Arts Elective (Area C1-Lower 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**

"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 2023 if student is not calc-ready for MTH 210 Calculus I.