

**STUDENTS ENTERING IN 2019
FACILITIES ENGINEERING TECHNOLOGY MAJOR
DIVISIONS 3&4
CURRICULUM**

3/12/19
Subject to Change

Total Units: 154

<u>FALL 2019</u>	<u>SPRING 2020</u>	<u>SUMMER CRUISE 2020</u>
American Institutions I Elective (Area D-Lower Div)	3.0 CHE 205 Chemistry of Plant Processes* (Area B1)	3.0 CRU 150 Sea Training 8.0
Humanities Elective (Area C2-Lower Div)	3.0 DL 105 Marine Survival	1.0 EPO 220 Diesel Engineering I* 2.0
CHE 110 General Chemistry (Area B1)	3.0 DL 105L Marine Survival Lab	1.0 Total 10.0
CHE 110L General Chemistry Lab (Area B3)	1.0 DL 105X USCG Lifeboatman's Exam	0.0
ENG 100 Engineering Graphics	2.0 EGL 100 English Composition (Area A2) "G4"	3.0
ET 110 Introduction to Engineering Technology*	1.0 EPO 110 Plant Operations I	1.0
FF 200 Basic/Advanced Marine Firefighting	0.0 EPO 125 Introduction to Marine Engineering*	3.0
MTH 100 College Algebra and Trigonometry (Area B4) "G4"	4.0 EPO 125L Introduction to Marine Engineering Lab*	1.0
PE 101 Swim Competency Exam	0.0 EPO 213 Welding Lab	1.0
PE 102 Beginning/Intermediate Swimming	(0.5) MTH 210 Calculus I (Area B4)	4.0
	Total 17.0 NAU 104 Shipboard Security and Responsibility	1.0
		Total 19.0
<u>FALL 2020</u>	<u>SPRING 2021</u>	<u>SUMMER CO-OP 2021</u>
COM 220L Programming Apps for ET Majors Lab	1.0 EGL 110 Speech Communication (Area A1) "G4"	3.0 CEP 270 FET Co-Op I 3.0
EGL 220 Critical Thinking	3.0 EPO 235 Steam Plant Watch Team Management*	1.0 Total 3.0
[Critical Thinking Elective] (Area A3) "G4"	EPO 312 Turbines*	3.0
EPO 210 Plant Operations II	1.0 ET 230 Properties of Materials*	2.0
EPO 214 Boilers*	3.0 ET 232 Statics*	3.0
EPO 215 Manufacturing Processes I	1.0 LIB 100 Information Fluency in the Digital World (Area E)	2.0
EPO 230 Steam Plant System Operations*	1.0 PHY 205 Engineering Physics II (Area B1)	4.0
MTH 211 Calculus II (Area B4)	4.0	Total 18.0
PHY 200 Engineering Physics I (Area B1)	3.0	
PHY 200L Engineering Physics I Lab (Area B3)	1.0	
	Total 18.0	
<u>FALL 2021</u>	<u>SPRING 2022</u>	<u>MMER CO-OP 2022</u>
Humanities Elective (Area C-Upper Div)	3.0 EGL 300 Advanced Writing	(3.0) CEP 370 FET Co-Op II 3.0
EPO 319 Facilities Engineering Diagnostics Lab*	1.0 EPO 310 Plant Operations III	1.0 Total 3.0
ET 230L Properties of Materials Lab*	1.0 EPO 315 Manufacturing Processes II	1.0
ET 250 Electrical Circuits*	3.0 EPO 321 Introduction to Power Generation Plants*	1.0
ET 250L Electrical Circuits Lab*	1.0 ET 340 Fluid Mechanics*	3.0
ET 330 Dynamics*	3.0 ET 340L Fluid Mechanics Lab*	1.0
ET 332 Strength of Materials*	3.0 ET 342 Refrigeration and Air Conditioning*	2.0
ET 344 Thermodynamics*	3.0 ET 342L Refrigeration and Air Conditioning Lab*	1.0
	Total 18.0 ET 370 Electronics*	3.0
	ET 370L Electronics Lab*	1.0
		Total 14.0
<u>FALL 2022</u>	<u>SPRING 2023</u>	<p>CSU Writing Proficiency Requirements may be met by passing the Graduate Writing Exam, or passing EGL 300 Advanced Writing.</p> <p>"G4" "Golden 4" Courses (Must receive a "C-" or higher)</p> <p>* Courses in Major (CGPA = 2.0 is required)</p>
ENG 470 Engineering Management*	3.0 Social Science Elective (Area D-Upper Div)	
ET 350 Electrical Machinery*	3.0 ENG 472 Facilities Management*	
ET 350L Electrical Machinery Lab*	1.0 ET 460 Automation*	
ET 400 Instrumentation and Measurement*	3.0 ET 460L Automation Lab*	
ET 400L Instrumentation and Measurement Lab*	1.0 ET 490 Power Engineering Technology*	
ET 442 Heating, Ventilation, and A/C*	2.0 ET 490L Power Engineering Technology Lab*	
ET 442L Heating, Ventilation, and A/C Lab*	1.0 HUM 310 Engineering Ethics (Area C2-Upper Div)	
GOV 200 American Government	3.0	
[American Institutions II Elective] (Area D-Lower Div)		
	Total 17.0	