

**CLASS OF 2020  
FACILITIES ENGINEERING TECHNOLOGY MAJOR  
DIVISIONS 3&4  
CURRICULUM**

5/18/16  
Subject to Change

**Total Units: 154**

**Writing Proficiency Requirement:** All Junior students must demonstrate upper division writing competency as a graduation requirement. This may be fulfilled by passing either the Graduation Writing Exam or EGL 300 Advanced Writing.

**FALL 2016**

CHE 110	General Chemistry	3.0
CHE 110L	General Chemistry Lab	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
MTH 100	College Algebra and Trigonometry	4.0
PE 101	Swim Competency Exam	0.0
PE 102	Beginning/Intermediate Swimming	(0.5)
<b>Total</b>		<b>17.0</b>

**SPRING 2017**

CHE 205	Chemistry of Plant Processes*	3.0
DL 105	Marine Survival	1.0
DL 105L	Marine Survival Lab	2.0
DL 105X	USCG Lifeboatman's Exam	0.0
EGL 100	English Composition	3.0
ELEC 21	Humanities Elective (Lower Division)	3.0
LIB 100	Information Fluency in the Digital World	2.0
MTH 210	Calculus I	4.0
NAU 104	VPDSD	1.0
<b>Total</b>		<b>18.0</b>

**SUMMER CRUISE 2017**

CRU 150	Sea Training I	8.0
EPO 220	Diesel Engineering I*	2.0
<b>Total</b>		<b>10.0</b>

**FALL 2017**

COM 220L	Programming Applications for Engr. Tech Majors Lab	1.0
ELEC 20	Critical Thinking Elective	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	4.0
PHY 200	Engineering Physics I	3.0
PHY 200L	Engineering Physics I Lab	1.0
<b>Total</b>		<b>18.0</b>

**SPRING 2018**

EGL 110	Speech Communication	3.0
ELEC 8	American Institutions Elective	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	4.0
<b>Total</b>		<b>19.0</b>

**SUMMER CO-OP 2018**

CEP 270	FET Co-Op I	3.0
<b>Total</b>		<b>3.0</b>

**FALL 2018**

ELEC 22	Humanities Elective (Upper Division)	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
<b>Total</b>		<b>18.0</b>

**SPRING 2019**

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
<b>Total</b>		<b>14.0</b>

**SUMMER CO-OP 2019**

CEP 370	FET Co-Op II	3.0
<b>Total</b>		<b>3.0</b>

**FALL 2019**

ELEC 9	American Institutions Elective	3.0
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, Ventilation, and A/C*	2.0
ET 442L	Heating, Ventilation, and A/C Lab*	1.0
<b>Total</b>		<b>17.0</b>

**SPRING 2020**

ELEC 32	Social Science Elective (Upper Division)	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
HUM 310	Engineering Ethics	3.0
<b>Total</b>		<b>17.0</b>

**\* Courses in Major  
(CGPA = 2.0 is required)**