

**CLASS OF 2018**  
**FACILITIES ENGINEERING TECHNOLOGY MAJOR**  
**DIVISIONS 1&2**  
**CURRICULUM**

**REVISED 10/24/14**  
**Subject to Change**

**Total Units: 154**

**Certified Plant Engineer-In Training Certificate Required for Graduation**

**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 2014**

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
NAU 104	VPDSD	1.0
PE 100	Beginning/Intermediate Swimming	(.5)
<b>Total</b>		<b>18.0</b>

**SPRING 2015**

DL 105	Marine Survival	1.0
DL 105L	Marine Survival Lab	1.0
DL 105X	USCG Lifeboatman's Exam	0.0
EGL 100	English Composition	3.0
ELEC 8	American Institutions Elective	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
<b>Total</b>		<b>17.0</b>

**SUMMER CRUISE 2015**

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

**FALL 2015**

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 2016**

CHE 205	Chemistry of Plant Processes*	3.0
EGL 110	Speech Communication	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 2016**

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

**FALL 2016**

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 2017**

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 2017**

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

**FALL 2017**

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 2018**

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)**