

**CLASS OF 2013  
FACILITIES ENGINEERING TECHNOLOGY MAJOR  
GOLD COMPANY  
CURRICULUM**

3/23/09  
Subject to Change

**Total Units: 163**

**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.

<b><u>FALL 2009</u></b>	<b><u>SPRING 2010</u></b>	<b><u>SPRING CRUISE 2010</u></b>
CHE 100 Chemistry I 3.0	CHE 205 Chemistry of Plant Processes* 3.0	CRU 150 Sea Training I 8.0
CHE 100L Chemistry I Lab 1.0	DL 105 Marine Survival 1.0	EPO 220 Diesel Engineering I* 2.0
ENG 100 Engineering Graphics 2.0	DL 105L Marine Survival Lab 1.0	<b>Total 10.0</b>
EPO 110 Plant Operations I 1.0	DL 105X USCG Lifeboatman's Exam 0.0	
EPO 125 Introduction to Marine Engineering* 3.0	EGL 100 English Composition 3.0	
EPO 213 Welding Lab 1.0	ELEC 8 American Institutions Elective 3.0	
ET 110 Introduction to Engineering Technology* 1.0	LIB 100 Information Fluency in the Digital World 2.0	
MTH 100 College Algebra and Trigonometry 4.0	MTH 210 Calculus I 4.0	
PE 100 Beginning/Intermediate Swimming (.5)	<b>Total 17.0</b>	
<b>Total 16.0</b>		
<b><u>FALL 2010</u></b>	<b><u>SPRING 2011</u></b>	<b><u>SPRING CO-OP 2011</u></b>
COM 220 Programming Applications for Engr. Tech Majors 1.0	EGL 110 Speech Communication 3.0	CEP 270 FET Co-Op I 8.0
COM 220L Programming Applications for Engr. Tech Majors Lab 1.0	ELEC 21 Humanities Elective (Lower Division) 3.0	<b>Total 8.0</b>
ELEC 20 Critical Thinking Elective 3.0	EPO 235 Steam Plant Watch Team Management* 1.0	
EPO 210 Plant Operations II 1.0	EPO 312 Turbines* 3.0	
EPO 214 Boilers* 3.0	ET 232 Statics* 3.0	
EPO 215 Manufacturing Processes I 1.0	PHY 205 Engineering Physics II 4.0	
EPO 230 Steam Plant System Operations* 1.0	<b>Total 17.0</b>	
MTH 211 Calculus II 4.0		
PHY 200 Engineering Physics I 3.0		
PHY 200L Engineering Physics I Lab 1.0		
<b>Total 19.0</b>		
<b><u>FALL 2011</u></b>	<b><u>SPRING 2012</u></b>	<b><u>SPRING CO-OP 2012</u></b>
ELEC 22 Humanities Elective (Upper Division) 3.0	EGL 300 Advanced Writing (3.0)	CEP 370 FET Co-Op II 8.0
EPO 319 Facilities Engineering Diagnostics Lab* 1.0	EPO 310 Plant Operations III 1.0	<b>Total 8.0</b>
ET 230 Properties of Materials* 2.0	EPO 315 Manufacturing Processes II 1.0	
ET 230L Properties of Materials Lab* 1.0	EPO 321 Diesel Plant Simulator* 1.0	
ET 250 Electrical Circuits* 3.0	ET 332 Strength of Materials* 3.0	
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 344 Thermodynamics* 3.0	ET 342 Refrigeration and Air Conditioning* 2.0	
<b>Total 17.0</b>	ET 342L Refrigeration and Air Conditioning Lab* 1.0	
	ET 370 Electronics* 3.0	
	ET 370L Electronics Lab* 1.0	
	<b>Total 17.0</b>	
<b><u>FALL 2012</u></b>	<b><u>SPRING 2013</u></b>	
ELEC 9 American Institutions Elective 3.0	ELEC 32 Social Science Elective (Upper Division) 3.0	
ENG 470 Engineering Management* 3.0	ENG 472 Facilities Management* 3.0	
ET 350 Electrical Machinery* 3.0	ET 460 Automation* 3.0	
ET 350L Electrical Machinery Lab* 1.0	ET 460L Automation Lab* 1.0	
ET 400 Instrumentation and Measurement* 3.0	ET 490 Power Engineering Technology* 3.0	
ET 400L Instrumentation and Measurement Lab* 1.0	ET 490L Power Engineering Technology Lab* 1.0	
ET 442 Heating, Ventilation, and A/C* 2.0	HUM 310 Engineering Ethics 3.0	
ET 442L Heating, Ventilation, and A/C Lab* 1.0	<b>Total 17.0</b>	
<b>Total 17.0</b>		

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