

**FACILITIES ENGINEERING TECHNOLOGY MAJOR
GOLD COMPANY
CURRICULUM**

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.

<u>FALL (Freshman Year)</u>		<u>SPRING (Freshman Year)</u>		<u>SPRING CRUISE (Freshman Year)</u>	
CHE 100	Chemistry I	3.0	CHE 205	Chemistry of Plant Processes*	3.0
CHE 100L	Chemistry I Lab	1.0	DL 105	Marine Survival	1.0
ENG 100	Engineering Graphics	2.0	DL 105L	Marine Survival Lab	1.0
EPO 110	Plant Operations I	1.0	DL 105X	USCG Lifeboatman's Exam	0.0
EPO 125	Intro 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	Intro to Engineering Technology*	1.0	LIB 100	Information Fluency in the Digital World	2.0
MTH 100	College Algebra & Trigonometry	4.0	MTH 210	Calculus I	4.0
PE 100	Beginning/Intermediate Swimming	(.5)			
	Total	16.0		Total	17.0
<u>FALL (Sophomore Year)</u>		<u>SPRING (Sophomore Year)</u>		<u>SPRING CO-OP (Sophomore Year)</u>	
COM 220	Programming Apps for ETs	1.0	EGL 110	Speech Communication	3.0
COM 220L	Programming Apps for ETs Lab	1.0	ELEC 21	Humanities Elective (Lower Division)	3.0
ELEC 20	Critical Thinking Elective	3.0	EPO 235	Steam Plant Watch Team Mgmt*	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			
MTH 211	Calculus II	4.0		Total	17.0
PHY 200	Engineering Physics I	3.0			
PHY 200L	Engineering Physics I Lab	1.0			
	Total	19.0			
<u>FALL (Junior Year)</u>		<u>SPRING (Junior Year)</u>		<u>SPRING CO-OP (Junior Year)</u>	
ELEC 22	Humanities Elective (Upper Division)	3.0	EGL 300	Advanced Writing	(3.0)
EPO 319	Facilities Engr. Diagnostics Lab*	1.0	EPO 310	Plant Operations III	1.0
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 & A/C*	2.0
	Total	17.0	ET 342L	Refrigeration & A/C Lab*	1.0
			ET 370	Electronics*	3.0
			ET 370L	Electronics Lab*	1.0
				Total	17.0
<u>FALL (Senior Year)</u>		<u>SPRING (Senior Year)</u>		* Courses in Major (CGPA = 2.0 is Required)	
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	Instr & Measurement*	3.0	ET 490	Power Engr Technology*	3.0
ET 400L	Instr & Measurement Lab*	1.0	ET 490L	Power Engr Technology Lab*	1.0
ET 442	HVAC*	2.0	HUM 310	Engineering Ethics	3.0
ET 442L	HVAC Lab*	1.0			
	Total	17.0		Total	17.0

**FACILITIES ENGINEERING TECHNOLOGY MAJOR
BLUE COMPANY
CURRICULUM**

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.

<u>FALL (Freshman Year)</u>		<u>SPRING (Freshman Year)</u>		<u>SPRING CRUISE (Freshman Year)</u>	
CHE 100	Chemistry I	3.0	CHE 205	Chemistry of Plant Processes*	3.0
CHE 100L	Chemistry I Lab	1.0	DL 105	Marine Survival	1.0
ELEC 8	American Institutions Elective	3.0	DL 105L	Marine Survival Lab	1.0
ELEC 21	Humanities Elective (Lower Division)	3.0	DL 105X	USCG Lifeboatman's Exam	0.0
ENG 100	Engineering Graphics	2.0	EGL 100	English Composition	3.0
ET 110	Intro to Engineering Technology*	1.0	EPO 110	Plant Operations I	1.0
MTH 100	College Algebra & Trigonometry	4.0	EPO 125	Intro to Marine Engineering*	3.0
PE 100	Beginning/Intermediate Swimming (.5)	(.5)	EPO 213	Welding Lab	1.0
	Total	17.0	MTH 210	Calculus I	4.0
			Total	17.0	
					Total 10.0

<u>FALL (Sophomore Year)</u>		<u>SPRING (Sophomore Year)</u>		<u>SPRING CO-OP (Sophomore Year)</u>	
COM 220	Programming Apps for ETs	1.0	EGL 110	Speech Communication	3.0
COM 220L	Programming Apps for ETs Lab	1.0	EPO 235	Steam Plant Watch Team Mgmt*	1.0
ELEC 20	Critical Thinking Elective	3.0	EPO 312	Turbines*	3.0
EPO 210	Plant Operations II	1.0	ET 232	Statics*	3.0
EPO 214	Boilers*	3.0	LIB 100	Information Fluency in the Digital World	2.0
EPO 215	Manufacturing Processes I	1.0	PHY 205	Engineering Physics II	4.0
EPO 230	Steam Plant System Operations*	1.0	Total	16.0	
MTH 211	Calculus II	4.0			
PHY 200	Engineering Physics I	3.0			
PHY 200L	Engineering Physics I Lab	1.0			
	Total	19.0			
					Total 8.0

<u>FALL (Junior Year)</u>		<u>SPRING (Junior Year)</u>		<u>SPRING CO-OP (Junior Year)</u>	
ELEC 22	Humanities Elective (Upper Division)	3.0	EGL 300	Advanced Writing (3.0)	3.0
EPO 319	Facilities Engr. Diagnostics Lab*	1.0	EPO 310	Plant Operations III	1.0
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 & A/C*	2.0
	Total	17.0	ET 342L	Refrigeration & A/C Lab*	1.0
			ET 370	Electronics*	3.0
			ET 370L	Electronics Lab*	1.0
			Total	17.0	
					Total 8.0

<u>FALL (Senior Year)</u>		<u>SPRING (Senior Year)</u>		* Courses in Major (CGPA = 2.0 is Required)	
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	Instr & Measurement*	3.0	ET 490	Power Engr Technology*	3.0
ET 400L	Instr & Measurement Lab*	1.0	ET 490L	Power Engr Technology Lab*	1.0
ET 442	HVAC*	2.0	HUM 310	Engineering Ethics	3.0
ET 442L	HVAC Lab*	1.0	Total	17.0	
	Total	17.0			