

**CLASS OF 2013
FACILITIES ENGINEERING TECHNOLOGY MAJOR
BLUE 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.

FALL 2009	SPRING 2010	SPRING CRUISE 2010
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
ELEC 8 American Institutions Elective 3.0	DL 105L Marine Survival Lab 1.0	Total 10.0
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 Introduction to Engineering Technology* 1.0	EPO 110 Plant Operations I 1.0	
MTH 100 College Algebra and Trigonometry 4.0	EPO 125 Introduction to Marine Engineering* 3.0	
PE 100 Beginning/Intermediate Swimming (.5)	EPO 213 Welding Lab 1.0	
Total 17.0	MTH 210 Calculus I 4.0	
	Total 17.0	
FALL 2010	SPRING 2011	SPRING CO-OP 2011
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	EPO 235 Steam Plant Watch Team Management* 1.0	Total 8.0
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		
FALL 2011	SPRING 2012	SPRING CO-OP 2012
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	Total 8.0
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 and Air Conditioning* 2.0	
Total 17.0	ET 342L Refrigeration and Air Conditioning Lab* 1.0	
	ET 370 Electronics* 3.0	
	ET 370L Electronics Lab* 1.0	
	Total 17.0	
FALL 2012	SPRING 2013	
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	Total 17.0	
Total 17.0		

* Courses in Major (CGPA = 2.0 is Required)