



## Applied Process Technologies

### Chemical Operator III & Refinery Operator (CORO) Power Plant Operator (PPO) Semester Plan

FIRST YEAR COURSE SCHEDULE			
	Credits		Credits
First Semester		Second Semester	
MAT 126-Technical Algebra & Trigonometry (recommended) <b>OR</b> MAT 116-Technical Mathematics	3	ENG 101-Writing I	3
CHE 130-Introductory General & Biological Chemistry <b>OR</b> CHE 140/145-Intro to General Chemistry with Lab	4	APT 102-Process Fundamentals	4
PHS 175-Applied Physics (Recommended) <b>OR</b> PHY 171-Applied Physics	6 (4)	APT 104-Rotating & Reciprocating Equipment	3
SFA 101-OSHA, Health, & Environmental Safety	3	APT 106-Process Chemistry	2
EES 101-Basic Electronics	2	APT 108-Stationary-Equipment	2
<b>Total Credit Hours</b>	<b>18</b>	<b>Total Credit Hours</b>	<b>14</b>

SECOND YEAR COURSE SCHEDULE			
	Credits		Credits
Third Semester		Fourth Semester	
Social/Behavioral Science	3	CIT 105-Introduction to Computers	3
Heritage/Humanities	3	APT 202-federally Mandated Training	3
<b>Chemical/Refinery Track</b>		APT 204-Safety Skills Training	1
APT 142-Instrumentation	4		
APT 144-Process Operations	4		
APT 146-Process Applications	2		
APT 148-Process Operations Safety	2		
<b>Power Plant</b>		APT 251-Application of Process Operations	2
APT 142-Instrumentation	4	<b>OR</b>	
APT 154-Power Plant Practice	6	APT 291-Special Problems in APT	(2-3)
APT 156- Power Plant Protection	2		
<b>Lineman Track</b>		COM 252-Intro to Interpersonal Communication	3
APT 158-Lineman Technology I	3		
APT 159-Lineman Technology I Lab	4		
EET 150-Transformers	2		
EET 151-Transformers Lab	1		
<b>Total Credit Hours for Diploma</b>			<b>59-69</b>

**NOTE: Achievement of a grade of "C" or higher in Math, Physics, Chemistry, and the APT Courses is required to progress through the Program. A cumulative GPA of "2.0" or better must be maintained.**

Course Substitutions	Electives
CHE 140/145-Introduction to General Chemistry Lab may be substituted for CHE 130	APT 299-Co-Operative Education Program (1-6)
PHY 171 may be substituted for PHS 175	COE 199-Co-Op (1-8)
APT 291-Special Problems in APT may be substituted for APT 251	QMS 101-Introduction to Quality Systems (3)
	EX 196-Experimental Education (1-6)