

REQUIRED COURSES	ENRG – Power Plant Technology TC - LEARNING OUTCOMES								
	(a) Demonstrate knowledge of basic electrical principles and concepts that impact the Energy Technology industry.	(b) Utilize electrical/mechanical troubleshooting and communication skills to diagnose, repair, test, and return to service failed components.	(c) Describe the hazards associated with electrical equipment and apply appropriate safety methods for working around industrial machinery	(d) Teamwork – Function effectively as a member of a technical team.	(e) Identify and Solve Problems – Identify, analyze, and solve narrowly defined technical problems.	(f) Communication – Apply written, oral and graphical communication skill in both technical and non-technical environments; identify and use appropriate tech literature.	(g) Lifelong learning – Recognize the need for, and benefits of continuing professional development.	(h) Professional/Ethical/Diversity – Recognize the need for professional and ethical responsibilities, including a respect for diversity.	(i) Quality, Continuous Improvement – Demonstrate a commitment to quality, timeliness, and continuous improvement.
ENRG 100	I, A		I, A	I	I, A				
PPTC 101	I	I	I, A	I	I				
PPTC 102	I	I, A	I, A	I	R				
INDT 113	I, A	I, A	R	R	R				
PPTC 103	I	R, A	R	I	R				
INDT 103	I, A	I, A	R	R	R				
INDT 104	I	I	I	R	R				
***ENRG XXX or COMM 104				I, A		I, A		I, R	
IVYT 113				I		I	I	I	I
MATH 122				I	I, A	I			
PPTC 121	R	R, A	R	I	R				
***ENRG XXX									

(I = Introduce; R= Reinforce; M = Mastery; and A = Assessment Opportunity)

REQUIRED COURSES	ENRG – Energy Technology AAS - LEARNING OUTCOMES									
	(a) Demonstrate knowledge of the basic and emerging principles and concepts that impact the Energy Technology industry.	(b) Utilize electrical/mechanical troubleshooting and communication skills to diagnose, repair, test, and return to service failed components.	(c) Describe the hazards associated with welders, automated processes, industrial machines and motors, to determine appropriate safety methods for working around industrial machinery	(d) Teamwork – Function effectively as a member of a technical team.	(e) Identify and Solve Problems – Identify, analyze, and solve narrowly defined technical problems.	(f) Communication – Apply written, oral and graphical communication skill in both technical and non-technical environments; identify and use appropriate tech literature.	(g) Lifelong learning – Recognize the need for, and benefits of continuing professional development.	(h) Professional/Ethical/Diversity – Recognize the need for professional and ethical responsibilities, including a respect for diversity.	(i) Quality, Continuous Improvement – Demonstrate a commitment to timeliness, and continuous improvement.	
ENRG 100	I, A		I, A	I	I, A					
PPTC 101	I	I	I, A	I	I					
PPTC 102	I	I, A	I, A	I	R					
INDT 113	I, A	I, A	R	R	R					
PPTC 103	I	R, A	R	I	R					
INDT 103	I, A	I, A	R	R	R					
INDT 104	I	I	I	R	R					
COMM 104				I, A		I, A		I, R		
IVYT 113				I		I	I	I		I
MATH 122				I	I, A	I				
PPTC 121	I	R, A	R	I	R					
***ENRG XXX										
***ENRG XXX										
***ENRG XXX										
***ENRG XXX										
***ENRG XXX										
INDT 203		I	I	R	R					
INDT 279	A				R	R, M	R	R	R	

ENGL 111					I, R	I, R, A		I	
*SCIN XXX XXX				I	I, R	I, R		I	
**HUMA XXX XXX					I, R	I, R		I, R	

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* Note: Science elective options consist of SCIN 100, SCIN 101, PHYS 100, CHEM 111

**Note: Program data indicates that the majority of ENRG students will take HIST 101, PSYC 101, ARTH 101, SOCI 111, or SPAN 101 to fulfill the Humanities / Social Science elective requirement.

*** ENRG XXX statewide electives are commonly chosen from SUST 280, ENRG 260, ENRG 113, ENRG 203, ENRG 211, PPTC 201, PPTC 210, or PPTC 221.