

PROGRAM OUTCOMES MATRIX
(Wind Energy Technology)

Program Outcomes <i>(List all technical and general education outcomes)</i>	Courses in Certificate Program										
	<i>List all courses included in the program. Include Course Prefix and Course Number. Identify the courses that address each learning outcome as a significant portion of the course content.</i>										
	Prefix Crse # WTT 100	Prefix Crse # WTT 110	Prefix Crse # EIS 108	Prefix Crse # ENL 101	Prefix Crse # WTT 120	Prefix Crse # ELM 120	Prefix Crse # WTT 150	Prefix Crse # WTT 160	Prefix Crse # ELM 217	Prefix Crse # MTH 100 or higher	
Demonstrate basic knowledge of electrical equipment and operation		X					X	X			
Demonstrate basic knowledge of mechanical equipment and operation						X		X	X		
Demonstrate basic knowledge of fluid power equipment and operations					X						
Demonstrate safety practices common to the wind industry		X				X	X	X	X		
Troubleshoot, repair and maintain electrical systems common to wind power generation							X	X			
Troubleshoot, repair and maintain distributive power systems common to wind power generation								X			
Troubleshoot, repair and maintain hydraulic controls used in the wind industry					X				X		
Use commonly available instruments to analyze & troubleshoot systems					X	X	X	X	X		
Use schematics, operating manuals & troubleshooting guides to troubleshoot equipment commonly used in the wind industry					X	X	X	X	X		
Demonstrate climbing, rescue, and emergency medical techniques and procedures necessary for the wind industry		X									
Apply safety procedures in the industrial environment including those applicable to hand & power tools	X	X			X	X	X	X	X		
Demonstrate job hazard assessment and resolution to hazards		X							X		
Apply computers in troubleshooting, maintenance planning & report writing using application software relevant to the wind industry			X			X	X		X		
Communicate effectively & work collaboratively in a variety of wind related industrial settings			X	X					X		
Perform daily maintenance and repair tasks necessary in the wind industry											
Demonstrate Computational Skills					X	X				X	

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