

PROGRAM OUTCOMES MATRIX
Wind Energy Technology, Associate in Applied Science

Courses in First Year of Program

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.

Program Outcomes <i>(List all technical and general education outcomes)</i>	WTT 100	WTT 110	CIS 108	ENL 101 or ENL 115	WTT 120	ELM 120	WTT 150	WTT 160	ELM 217	ELM 218 Or WTT 178
Demonstrate basic knowledge of electrical equipment and operation		X					X	X	X	X
Demonstrate basic knowledge of mechanical equipment and operation						X		X	X	X
Demonstrate basic knowledge of fluid power equipment and operations					X				X	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	X	X
Troubleshoot, repair and maintain distributive power systems common to wind power generation								X	X	X
Troubleshoot, repair and maintain hydraulic controls used in the wind industry					X				X	X
Use commonly available instruments to analyze & troubleshoot systems					X	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	X
Demonstrate climbing, rescue, and emergency medical techniques and procedures necessary for the wind industry		X								X
Apply safety procedures in the industrial environment including those applicable to hand & power tools	X	X			X	X	X	X	X	X
Demonstrate job hazard assessment and resolution to hazards		X							X	X
Apply computers in troubleshooting, maintenance planning & report writing using application software relevant to the wind industry			X			X			X	X

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Courses in Second Year of WTT AAS Program

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.

Program Outcomes <i>(List all technical and general education outcomes)</i>	ELM 210	WTT 210	WTT 230	WTT 260	WTT 270 Or WTT 278	PHS 115	MTH 100 or higher	SSC 147	Science Elective	ENL 102 or ENL 115
Demonstrate basic knowledge of electrical equipment and operation	X		X	X	X		X			
Demonstrate basic knowledge of mechanical equipment and operation		X		X	X	X	X			
Demonstrate basic knowledge of fluid power equipment and operations		X		X	X	X	X			
Demonstrate safety practices common to the wind industry	X	X		X	X					
Troubleshoot, repair and maintain electrical systems common to wind power generation	X		X	X	X					
Troubleshoot, repair and maintain distributive power systems common to wind power generation	X		X	X	X					
Troubleshoot, repair and maintain hydraulic controls used in the wind industry		X		X	X		X			
Use commonly available instruments to analyze & troubleshoot systems	X	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					
Demonstrate job hazard assessment and resolution to hazards		X		X	X					

