

**THIS IS A CAREER DEGREE.
IT IS NOT DESIGNED TO TRANSFER TO A FOUR YEAR UNIVERSITY.**

**Danville Area Community College
2021-2022**

Wind Energy Technician

Associate in Applied Science Degree

This program prepares individuals to work in the emerging wind power energy industry. Students will complete an industry-derived curriculum as they learn about the electrical power generation industry, safety at the worksite, mechanical devices, as well as hydraulic and electrical systems. Graduates enter the workforce with the skills necessary to be employed and succeed in entry-level technical positions and with additional training and experience may advance to supervisory or advanced technical positions. This is an occupational program typically not designed to transfer; however, this program has been articulated to some senior institutions. Please contact a counselor for specific details.

REQUIRED COURSES	HOURS	F,S,I,SU	GRADE
First Semester			
WIND 100 Introduction to Wind Energy	4		
MFRG 105 Intro to Maintenance	3		
ELEC 160 Introduction to Electricity/Electronics	5		
MATT 133 Technical Math I (pre: MATT 132 or Placement Exam)	4		
Total	16		
Second Semester			
WIND 150 Wind Turbine Materials and Electro Mechanical Equipment (pre: WIND 100)	4		
ELEC 269 Programmable Controllers (pre: ELEC 160)	3		
MFRG 230 Electrical Diagnosis and Repair (pre: ELEC 160)	4		
ELEC 273 Digital Electronics (pre: ELEC 160)	4		
ENGL 121 Communication Skills	3		
Total	18		
Third Semester			
WIND 200 Wind Power Delivery Systems (pre: WIND 150)	4		
MFRG 220 Mechanical Diagnosis and Repair (pre: MFRG 105)	4		
MFRG100 Industrial Safety (OSHA 30 Hour)	3		
Humanities Elective	3		
ENGL 122 Technical Communications	3		
Total	17		
Fourth Semester			
WIND 250 Wind Turbine Troubleshooting (pre: WIND 200)	4		
ELEC 250 Pneumatics & Controls	4		
MFRG 231 Hydraulics	4		
INFO 245 Employment Seminar (pre: Instructor Consent)	1		
Social Science Elective	3		
Total	16		
Total Hours	67		