

ELECTRONICS TECHNOLOGY-WIND ENERGY OPTION

Program Requirements		Suggested Course Sequence:	
General Education Courses - 27 Total Credit Hours		First Semester 17 Total Credit Hours	
Communications Courses		ENGL 1113 English Composition I	3 hours
ENGL 1113 English Composition I	3 hours	MATH 1513 Algebra for STEM	3 hours
ENGL 1223 Technical Writing	3 hours	(or) MATH 1483 Math Functions	
History & Government Courses		PHYS 2104 Concepts of Physics	4 hours
HIST 1483 Amer. History to 1877	3 hours	PTEC 1113 Intro to Process Technology	3 hours
(or) HIST 1493 Amer. History Since 1877		WIND 1113 Intro to Wind energy	3 hours
POLI 1113 American Government	3 hours	ORNT 1101 Freshman Orientation	1 hour
Mathematics Courses		Second Semester 15 Total Credit Hours	
MATH 1513 Algebra for STEM	3 hours	ENGL 1223 Technical Writing	3 hours
(or) MATH 1483 Math Functions		PTEC 1313 Safety, Health & Work Pract	3 hours
Science Courses		CMSC 1113 Computer Concepts	
CHEM 1014 Concepts of Chemistry	4 hours	(or) BADM 1113 Digital Fin Literacy	3 hours
PHYS 2104 Concepts of Physics	4 hours	ELEC 1123 Electrical Motor Controls	3 hours
Computer Science Courses		WIND 2313 Wind Turbine & Elec-Mech	3 hours
CMSC 1113 Computer Concepts		Third Semester 16 Total Credit Hours	
(or) BADM 1113 Digital Financial Literacy	3 hours	HIST 1483 Amer. History to 1877	3 hours
Orientation Courses		(or) HIST 1493 Amer. History Since 1877	
ORNT 1101 Freshman Orientation	1 hour	CHEM 1014 Concepts of Chemistry	4 hours
TECHNICAL OCCUPATIONAL SPECIALTY 15 HRS		ELEC 1253 DC Electronics/Metrology	3 hours
ELEC 1123 Electrical Motor Controls	3 hours	ELEC 1263 AC Electronics/Photonics	3 hours
ELEC 1253 DC Electronics/Metrology	3 hours	WIND 2413 Wind Power Delivery Sys	3 hours
ELEC 1263 AC Electronics/Photonics	3 hours	Fourth Semester 12 Total Credit Hours	
ELEC 1363 Electronic Devices/Standards	3 hours	POLI 1113 American Government	3 hours
ELEC 2003 Hydraulics	3 hours	ELEC 1363 Electronic Devices/Standards	3 hours
WIND ENERGY EMPHASIS 18 HRS		hours	
PTEC 1113 Intro to Process Technology	3 hours	ELEC 2003 Hydraulics	3 hours
PTEC 1313 Safety, Health, & Work Practice	3 hours	WIND 2413 Wind Turbine Troubleshoot	3 hours
WIND 1113 Intro to Wind Energy	3 hours	<i>This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Applied Science degree.</i>	
WIND 2313 Wind Turbine & Elec-Mech	3 hours		
WIND 2413 Wind Power Delivery System	3 hours		
WIND 2413 Wind Turbine Troubleshooting	3 hours		
Total Credit Hours 60 hours			

The Electronics Technology degree—Wind Energy Technician is specifically designed to prepare students for a career as a Wind Turbine technician. Students will learn basic concepts, skills, and technology for the repair and maintenance of wind turbines utilized for wind power generation.

This suggested curriculum serves Oklahoma and Kansas by providing participants with the knowledge and skills to satisfy entry-level job requirements for the region's and nation's major employers. Hands-on technical skills are augmented with theory and general education classes to position graduates for immediate success.

This degree program is a cooperative program whereby students complete their general education courses, and Wind Energy emphasis coursework, at Northern Oklahoma College and their technical coursework at Pioneer Technology Center in Ponca City, OK.

Career Opportunities
Wind Turbine Electronics Technician
Wind Turbine Repair Technician
Wind Turbine Operator

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined by A.C.T. test scores—primary or a residual administered in the Testing Center at NOC. Based upon the scores, remediation courses may be required.