

ELECTRONICS TECHNOLOGY-WIND ENERGY OPTION

Program Requirements	Suggested Course Sequence:	
General Education Courses - 27 Total Credit Hours	First Semester 17 Total Credit Hours	<p>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</p> <p>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.</p>
Communications Courses	ENGL 1113 English Composition I 3 hours	
ENGL 1223 Technical Writing 3 hours	MATH 1513 Algebra for STEM 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	ELEC 2003 Hydraulics 3 hours	
PTEC 1113 Intro to Process Technology 3 hours	WIND 2413 Wind Turbine Troubleshoot 3 hours	
PTEC 1313 Safety, Health, & Work Practice 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		