

Electronics Technology—Wind Energy Technician Option

PROGRAM REQUIREMENTS

	Credit Hours
GENERAL EDUCATION	22
COMMUNICATIONS	
ENGL 1113 English Composition I	3
ENGL 1214 English Composition II (or)	
ENGL 1223 Technical Writing	3
HISTORY AND GOVERNMENT	
HIST 1483 American History to 1865 (or)	
HIST 1493 Am. History Since 1865	3
POLI 1113 American Government	3
MATHEMATICS	
MATH 1513 College Algebra	3
SCIENCE	
PHYS 2104 Concepts in Physics	4
COMPUTER SCIENCE	
CS 1113 Computer Concepts	3
TECHNICAL OCCUPATIONAL SPECIALITY	26
ET 1103 Fundamentals of Electricity & Electronics	3
ET 1123 Electrical Motor Controls	3
ET 1243 Circuit Analysis I (Digital Electronics I)	3
ET 2243 Operational Amplifiers Techniques	3
ET 2373 Digital Logic Analysis	3
ET 1252 Pneumatic Controls	2
ET 2853 Programmable Logic Controls	3
ET 2044 Industrial Instrumentation	4
ET 2002 Hydraulic Systems	2
WIND ENERGY EMPHASIS	19
WIND 1113 Safety, Health, & Work Practice	3
WIND 1313 Introduction to Wind Energy	3
WIND 2313 Wind Turbine Materials and Electro-mechanical Equipment	3
WIND 2413 Wind Power Delivery System	3
WIND 2323 Wind Business	3
WIND 2423 Turbine Troubleshooting & Repair	3
WIND 2321 Wind Energy Capstone	1
TOTAL CREDIT HOURS	67

The Electronics Technology degree—Wind Energy Area of Emphasis 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 Electronics Technology Wind Power Generation Emphasis degree program is a cooperative program whereby students complete their general education courses at Northern Oklahoma College and their technical coursework at Autry Technology Center in Enid or Pioneer Technology Center in Ponca City, Oklahoma.

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

Career Opportunities

- Wind Turbine Electronics Technician
- Wind Turbine Repair Technician
- Wind Turbine Operator

Contact your faculty Graduation Adviser to learn more about the opportunities available with an NOC AAS Electronics Technology Degree.

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 either by ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following six (6) courses may need to be taken:

- MATH 0003 Pre-Algebra
- MATH 0023 Concepts of Algebra
- MATH 0123 Intermediate Algebra
- ENGL 0123 Basic Composition
- READ 0123 Basic Reading
- BSCI 0123 Intro to Basic Science