

# WIND ENERGY TECHNOLOGY

60 credit AAS | 32 credit Certificate

## THE PROGRAM

The Wind Energy Technology program offers an Associate in Applied Science (AAS) degree or a one-year certificate program, providing students with hands-on experience working with real turbines to learn turbine maintenance and repair. This comprehensive training equips technicians with the necessary skills in mechanics, electronics, hydraulics, meteorology, composites, computer science, and power transmission. The program emphasizes safety in the workforce, working in high areas, and confined spaces.

Students in the program will gain valuable expertise in fixing and maintaining wind turbines through practical, hands-on educational experiences, including actual work on turbines. They must be comfortable with heights, possess the ability to climb, and have good manual dexterity to excel as wind energy technicians. The nature of their work may require them to operate both indoors and outdoors in diverse weather conditions.

Due to the wind energy industry's rapid expansion, there is a high demand for skilled technicians, and the American Wind Energy Association estimates an annual requirement of 1,000 turbine technicians. Graduates of this program will be well-prepared to meet this burgeoning need and thrive in this vital and growing field.



## ADVISORS/TRiO & PowerSkills

Knowledgeable advisors will help you create a class schedule and choose electives to build strong foundations for upper division coursework and to meet transfer requirements.

TRiO & PowerSkills is an **advising, tutoring, and proctoring resource for everyone**, as well as disability services.

## TIPS FOR STUDENT SUCCESS



1. **SCHEDULE TIME WITH YOUR ADVISOR** immediately after term schedules is published to choose courses for upcoming semesters. Your advisor will help you select courses that meet core requirements.



2. **SCHEDULE TIME WITH YOUR ADVISOR** immediately after term schedules are published to choose courses for upcoming semesters



3. **SAVE MONEY BY CARRYING A HEAVIER COURSE LOAD.** Discuss with your advisor if a heavy course load works for you and your schedule. (Tuition & fees cap at 12 and 16, respectively. Other fees may apply and online courses are not included.)

## CAREER OPTIONS

Graduates from the Wind Energy Technology program will be prepared for exciting career paths as a wind turbine technician, automated systems technician and more! This career is expected to grow 96% by 2026.



LRSC HAS ITS OWN  
WIND TURBINE  
PROVIDING  
ELECTRICITY &  
A LIVE LAB

## STUDENT FOCUSED

LRSC is among the best community colleges by Intelligent 2023. Our students receive individualized support and have access to a variety of support services to help achieve their academic goals.



**14:1**  
STUDENT: FACULTY  
RATIO

## SCHOLARSHIPS

\$425,000 are offered in scholarships annually. LRSC Community College Foundation funds these scholarships through contributions from loyal friends and supporters of LRSC.



**425K**  
AVAILABLE IN  
SCHOLARSHIPS

ASSOCIATE IN APPLIED SCIENCE-FALL SEMESTER	CREDITS
HPER 165: First Responder	2
WNDT 100: Electricity I	3
WNDT 101: Introduction to Wind Operations	3
WNDT 110: Wind Turbine Safety I	5
WNDT 150: Hydraulic Fundamentals	2
WNDT 201: Wind Operations: Troubleshooting & Maintenance	3
SPRING SEMESTER	
CSCI 101: Introduction to Computers	3
WNDT 115: Wind Turbine Safety II	2
WNDT 200: Electricity II	3
WNDT 205: Motors and Generator Control	2
WNDT 215: Operation and Maintenance Site Support	3
WNDT 240: Programmable Logic Controllers	2
FALL SEMESTER	
CIS 224: Networking I	3
ENGL 110: College Composition I <b>or</b> ENGL 105: Technical Communications <b>or</b> ENGL 125: Introduction to Professional Writing	3
PSYC 100: Human Relations in Organizations	3
Gen Ed Elective: Arts, Humanities, or Social Science	3
WNDT 230: Advanced Troubleshooting	3
SPRING SEMESTER	
CIS 243: Networking II	3
COMM 110: Fundamentals of Public Speaking	3
WNDT 235: Fault Analysis and Quality Improvement	4
Electives*	2
<b>Total AAS Credits</b>	<b>minimum 60</b>

**BOLD:** certificate courses

\* Work closely with your advisor to choose electives.

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LRSC is committed to providing reasonable accommodations to qualified individuals with disabilities upon request. To request an accommodation or to request this document in an alternate format, please contact Sandi Lillehaugen, Human Resource Director, Lake Region State College, 1801 N. College Drive; Office #120, Devils Lake, ND 58301, (701) 662-1543, Sandra.Lillehaugen@LRSC.edu. One-week advance notice appreciated.

For more information on the Wind Energy Technician program, please contact Tucker Salander,  
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