

# WIND ENERGY TECHNOLOGY

60 credits AAS | 32 credit Certificate

## THE PROGRAM

The Wind Energy Technology program offers an Associate in Applied Science (AAS) degree or a one-year certificate focused on wind turbine systems and maintenance. Training develops skills in mechanics, electronics, hydraulics, meteorology, composites, computer science, and power transmission. Safety practices are emphasized throughout, including work at heights and in confined spaces.

The wind energy industry continues to grow quickly, creating strong demand for trained technicians. Industry projections estimate a need for about 1,000 turbine technicians each year. Graduates are prepared for entry-level roles in this expanding field.

## WHAT STUDENTS WILL GAIN

- Hands-on experience with wind turbines and systems
- Skills in maintenance, repair, and troubleshooting
- Knowledge of mechanical, electrical, and hydraulic systems
- Safety training for work at heights and confined spaces
- Experience in indoor and outdoor field environments
- Readiness to step into entry-level wind energy technician roles

## CAREER OUTCOMES

Strong demand for wind energy technicians supports direct entry into the workforce after completing either pathway. LRSC's on-campus wind turbine serves as a live learning lab, where students gain hands-on experience with industry equipment.

## ADVISORS/TRIO & POWERSKILLS

Advisors at LRSC help you create a class schedule and choose electives that build a foundation for upper-division coursework and meet transfer requirements.

TRiO & PowerSkills provide academic support for all students, including tutoring, advising, study support, testing/proctoring, and disability services.

## PROGRAM CONTACT

For questions about the Wind Energy program at Lake Region State College, contact:

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## STUDENT SUCCESS TIPS



Schedule time with your advisor each semester to stay on track with your degree plan.

Use tutoring and academic support services when needed to build skills in subjects like math.

Get involved at LRSC through clubs, activities, and campus events to build connections and get the most out of your experience.

Stay on top of financial aid requirements and important deadlines, and contact the Financial Aid Office with any questions.



Over \$540,000 in scholarships is awarded to students each year. Complete the scholarship application on the LRSC website; one application applies to multiple scholarships, and awards are matched based on eligibility.

# WIND ENERGY TECHNICIAN

## 60-CREDIT PROGRAM

First 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
Second 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
Third 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
General Education Elective: Humanities or Social Science	3
WNDT 230: Advanced Troubleshooting	3
Fourth 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 Credits</b> 60
	<b>Certificate Credits</b> 32

BOLD: certificate courses

\* Work closely with your advisor to choose electives.