WIND ENERGY TECHNOLOGY

60 credit AAS | 32 credit Certificate

THE PROGRAM

The Wind Energy Technology program is an Associate in Applied Science (AAS) degree or can be completed in one year with our certificate program. Students will work in an actual turbine to conduct their labs and hands-on experience in order to learn how to fix and maintain wind turbines. Wind energy technicians must be comfortable with heights, have the ability to climb, and have good manual dexterity. Technicians also must be able to work in confined spaces. Work is done indoors and outdoors in a variety of weather conditions.

One highly trained wind energy technician is required to maintain and repair 10 wind turbines. These technicians must be trained in mechanics, electronics, hydraulics, meteorology, composites, computer science, and power transmission. Rapid growth in the wind energy industry has sparked a burgeoning need for technicians. According to the American Wind Energy Association, an additional 1,000 turbine technicians will be needed annually over the next several years.

APPROVED BY AWEA

In May, 2011, the Wind Energy Technician program at LRSC received the prestigious Seal of Approval from the American Wind Energy Association (AWEA). Lake Region State College is one of seven programs awarded with this approval. The program's curriculum was carefully reviewed by a group of industry professionals who found the quality of the course materials to overwhelmingly satisfy AWEA's wind turbine technician skill-set criteria. The Seal of Approval covers four core skill sets: safety, electrical components, mechanical components and general skills. With over 2,500 members and advocates, AWEA is a national trade association representing wind power project developers, equipment suppliers, services providers, parts manufacturers, utilities, researchersand others involved in the wind industry.

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.)

CHOOSE YOUR PATH

If you want to enter a 4-year college or university after LRSC, you should do your research.

- Gather catalogs from your 4-year choice schools.
- You and your advisor can create a course plan.
- Work with your advisor to meet prerequisites with your electives for the AA or AS degree.
- Check with Student Services about transfer agreements LRSC has with your 4-year choice.

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 BestColleges and CourseAdvisor 2021. 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

LRSC offers a range of scholarships to our students. Scholarships are funded by the LRSC Community College Foundation through contributions including our alumni, faculty and staff, community organizations, and many businesses and corporations.

300K
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	
COMM 212: Interpersonal Communication	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	3
PSYC 100: Human Relations in Organizations	3
Gen Ed Elective: Social Science	3
Electives*	3
SPRING SEMESTER	
CIS 243: Networking II	3
COMM 110: Fundamentals of Public Speaking	3
Electives*	6
Total AAS Credits	**minimum 60**
Certificate Credits	**32**

BOLD: certificate courses
*** Work closely with your advisor to choose electives.**

Lake Region State College is an equal opportunity institution that does not discriminate on the basis of race, color, gender, national origin, age, religion, sexual orientation, or disability in its admissions, student aid, employment practices, education programs or other related activities. Inquiries concerning Title VI, Title IX, and Section 504 may be referred to Sandi Lillehaugen, Title IX Coordinator, Lake Region State College, (701) 662-1543 or the Office of Civil Rights, US Department of Education, 500 W Madison St Suite 1475, Chicago, IL 60661. Gainful Employment information is available at LRSC.edu/consumer-information.

For more information on the Wind Energy Technician program, please contact Jay Johnson, Jay.R.Johnson.2@lrsc.edu or visit www.lrsc.edu

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