

## ABOUT THE PROGRAM

The Bureau of Labor Statistics predicts a 96 percent increase in wind energy careers through 2026. The Wind Tower Climber certificate is an entry-level credential for work at height professionals. Employers seek employees skilled at climbing and working at heights safely for the operation and maintenance activities. This includes the demand for installation technicians, torque mechanics, and repair technicians. Tower climbers travel extensively around the world with wind farm and telecommunications construction, maintenance, and decommissioning.

## PROGRAM OUTCOMES

- Install and inspect wind turbine components.
- Wear Proper Personal Protection Equipment, identify hazards, mitigate said hazards and safely climb towers.
- Practice the basics of self-evacuation and rescue.

## ADMISSIONS AND FIRST SEMESTER ENROLLMENT STEPS

- Submit online application.
- Complete the online Student Success Questionnaire.
- Complete Technical Standards form.
- Schedule your First Time Program Counseling/Registration Session with your assigned program counselor to plan your first semester schedule, review your entire plan of study and discuss the results of the Student Success Questionnaire.

## FUTURE SEMESTER ENROLLMENT STEPS

- Complete online Student Success Tutorial prior to registering for second semester.

## APPROXIMATE COSTS

- \$143.45 per credit tuition (WI resident) plus \$8.61 per credit student activity fee. Material fee varies depending on course. Other fees vary by program. Visit [gotoltc.edu/financial-aid/tuition-and-fees](http://gotoltc.edu/financial-aid/tuition-and-fees) for details.

## SPECIAL NOTE

Tower Climber certificate students may choose to continue their education by completing 36 additional credits for the Wind Technician technical diploma.

## CONTACT

LTC Admissions Advisor  
 920.693.1162 • [Admissions@gotoltc.edu](mailto:Admissions@gotoltc.edu)

Catalog No.	Class Title	Credit(s)
<b>Term 1</b>		
10482101	Wind Systems Introduction	3
10482104	Wind Technician 1 - Rescue and Safety	2
10482110	Energy and Solar Power	1
		<b>6</b>
<b>Term 2</b>		
10482106	Wind Technician 2 - Tools and Maintenance	3
10482124	Wind Technician 3 Lab	1
10482132	Turbine Maintenance	2
		<b>6</b>

**TOTAL 12**

These class dates and times may be rescheduled due to inclement weather. Students must be within safe-climbing, equipped body weight of 130-310 pounds.

*Curriculum and Program Acceptance requirements are subject to change. Program start dates vary; check with your advisor for details. The tuition and fees are approximate based on 2022-2023 rates and are subject to change prior to the start of the academic year.*



**ENERGY AND SOLAR POWER**...provides the learner with an overview of electrical energy generation and distribution and its relationship to the renewable energy industry. Various types of electric energy systems are compared and contrasted. Solar Energy and its differing applications, including solar hot water and passive solar, are explored. Students will measure the output of a photovoltaic array and learn how a PV system can be integrated into the existing infrastructure.

**TURBINE MAINTENANCE**...prepares learners to climb, inspect and service wind turbines; use torque fasteners; check gearbox lubrication; add grease to moving and exposed parts; verify good electrical connections; perform an overall "system check" and routine maintenance on a wind energy system; in addition to fault determination and troubleshooting. Students will incorporate wind industry best safety practices, must be prepared to climb multiple times in a day, and work full days outside in varying weather conditions. COREQUISITE: 10482124 Wind Technician 3 Lab

**WIND SYSTEMS INTRODUCTION**...prepares the learner to assess the global energy picture, analyze the causes of wind flow and wind flow properties, write a site assessment, explore small, medium, and large wind turbine designs, assess the environmental effects of wind turbines, perform business assessments for wind energy projects, plan a wind energy project, evaluate the operation and maintenance requirements of wind turbines and their components, and analyze the future of wind energy.

**WIND TECHNICIAN 1 - RESCUE AND SAFETY**...prepares students for work at height and to perform equipment inspections on climbing and fall arrest gear; wear required PPE, PFPE, and apparel while working on wind turbine systems. Students will be SAFER certified in safe tower access, climbing, rescue, and confined space rescue, and will demonstrate proper knot tying and display professionalism and safe working habits during all tasks. This course familiarizes learners with OSHA regulations related to the wind industry and proper methods to eliminate and control hazards. Students receive training in First Aid, CPR, rigging, and confined space and receive the 10-hour OSHA for General Industry and the Tools at Height certifications. COREQUISITE: 10482101 Wind Systems Introduction

**WIND TECHNICIAN 2 - TOOLS AND MAINTENANCE**...develops skills in repair and maintenance of commercial and medium size wind turbines. Industry standards, training manuals, and field experience are course standards. Students are trained in the proper use of hand tools and both hand and hydraulic torque tools. COREQUISITE: 10482104 Wind Technician 1 - Rescue & Safety

**WIND TECHNICIAN 3 LAB**... familiarizes students with schematic reading and prepares the learner to use schematics for troubleshooting and LOTO. Students will demonstrate proficiency in performing a variety of maintenance functions on the GE 1.5 nacelle including filter changes, generator brush maintenance and brake system maintenance. COREQUISITE: 10482106 Wind Technician 2 - Tools & Maintenance