

**Lakeshore Technical College**  
**Wind Energy Technology Program**  
***Functional Abilities Statement of Understanding***

The Americans with Disabilities Act of 1990, the Americans with Disabilities Amendments Act of 2008, and Section 504 of the Rehabilitation act of 1973 (29 U.S.C. sec. 794) prohibits discrimination of persons because of her or his disability. In keeping with these laws, colleges of the Wisconsin Technical College System make every effort to insure a quality education for students. The purpose of this document is to ensure that students acknowledge that they have been provided information on the functional abilities required of a student in the Wind Energy Technology Program

If you have a documented disability that may prevent you from meeting the functional abilities as stated, you are encouraged to contact LTC's Disability Services Coordinator for assistance with accommodations. It is your responsibility to voluntarily and confidentially disclose information regarding the nature and extent of a disability and to provide documentation of the disability. The college cannot assume responsibility for providing accommodations or services to students who have not identified themselves as having a qualifying disability.

Please note that program requirements will not be waived, but accommodations may be made to assist you to meet requirements. Please contact Pam Thayer, Disability Services Coordinator, at 920.693.1222, or email [pamela.thayer@gotoltc.edu](mailto:pamela.thayer@gotoltc.edu) for assistance in formulating a reasonable accommodation plan.

**This form is to be completed upon admission to the program**

\_\_\_\_\_ I have read and I understand the *Functional Ability Categories* specific to a student in (initials) the Wind Energy Technology Program.

\_\_\_\_\_ I am able to meet the *Functional Abilities* as presented, and have been provided with (initials) information concerning accommodations or special services if needed at this time.

Name of Student\_\_\_\_\_

Signature of Student\_\_\_\_\_

Date\_\_\_\_\_

Student Identification Number or Date of Birth\_\_\_\_\_

**Return completed form to:**  
Admissions  
Lakeshore Technical College  
1290 North Avenue  
Cleveland, WI 53015-1414  
**Lakeshore Technical College**

## **Functional Ability Categories & Representative Activities for Wind Energy Technology Program**

### **Gross Motor Skills:**

- The ability to regain balance, or stay upright when in an unstable position
- The ability to stand for long periods of time
- Adjusting actions in relation to others' actions
- The ability to coordinate two or more limbs (for example, two arms, two legs, or one leg and one arm) while sitting, standing, or lying down
- The ability to time your movements or the movement of a piece of equipment in anticipation of changes in the speed and/or direction of a moving object or scene

### **Fine Motor Skills:**

- The ability to make precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects
- The ability to quickly move your hand, your hand together with your arm, or your two hands to grasp, manipulate, or assemble objects
- Repairing machines or systems using the needed tools
- Installing equipment, machines, wiring, or programs to meet specifications
- Performing routine maintenance on equipment and determining when and what kind of maintenance is needed
- Ability to hold hand and arm steady while moving or in one position
- Ability to use a computer and keyboard to perform basic word processing functions

### **Physical Endurance:**

- The ability to climb over 250 feet multiple times daily
- The ability to work in cramped or confined spaces
- The ability to lift up to 50 pounds
- The ability to work at any time throughout the day
- The ability to work for extended hours
- Maintains unequipped body weight of 100 to 275 pounds

### **Hearing:**

- The ability to hear a wide variety of tones and pitches from soft to loud (“normal” hearing)
- The ability to detect changes in pitch or loudness

### **Vision:**

- The ability to see details at close range
- The ability to see details at a distance
- The ability to judge which of several objects is closer or farther away from you, or to judge the distance between you and an object
- Ability to discriminate color

**Environment:**

- The ability to work indoors and outdoors
- The ability to work in extreme hot or extreme cold conditions
- The ability to work at extreme heights without discomfort

**Reading & Writing:**

- Ability to pass Accuplacer entrance assessment for Reading and Writing
- Understanding written sentences and paragraphs in work related documents
- Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar
- Ability to complete a work order or service report using appropriate grammar and spelling

**Math:**

- Ability to pass Accuplacer entrance assessment for mathematics
- Knowledge of arithmetic, algebra, trigonometry, and their applications
- Document numbers accurately in records
- Read measurements accurately

**Emotional Stability:**

- Ability to cope with own emotions
- Accept responsibility for own actions
- Establish professional relationships
- Adapt to changing environments and adjust to the unexpected

**Analytical Thinking:**

- The ability to apply general rules to specific problems to produce answers that make sense
- Understanding the implications of new information for both current and future problem-solving and decision-making
- Determining the kind of tools and equipment needed to do a job
- Watching gauges, dials, or other indicators to make sure a machine is working properly

**Critical Thinking:**

- The ability to tell when something is wrong or is likely to go wrong. It does not involve solving the problem, only recognizing there is a problem
- Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems
- Determining causes of operating errors and deciding what to do about it

**Interpersonal Skills:**

- Respect and embrace diversity in others

- Negotiate interpersonal conflict
- Demonstrate tolerance in working with others
- Function as part of a team
- Function as part of a team whereas attendance and punctuality are essential

**Communication Skills:**

- The ability to communicate information and ideas in speaking so others will understand
- The ability to listen to and understand information and ideas presented through spoken words and sentences
- Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.
- Talking to others to convey information effectively
- Ability to comprehend written information
- The ability to use email and wireless technology to communicate

**Other:**

- Must be able to operate computer and scientific calculator
- Industry success requires thorough and comprehensive background screenings  
Candid disclosure by applicants (internship and employment) is essential.