

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 Patrick Neuenfeldt, Disability Services Coordinator, at 920.693.1222, or email patrick.neuenfeldt@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 the Wind Energy
(initials) Technology Program.

_____ I am able to meet the *Functional Abilities* as presented, and have been provided with information concerning
(initials) 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:
Enrollment Office
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:

- Regain balance, or stay upright when in an unstable position
- Stand for long periods of time
- Adjust actions in relation to others' actions
- Coordinate two or more limbs (for example, two arms, two legs, or one leg and one arm) while sitting, standing, or lying down
- Able 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:

- Make precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects
- Quickly move your hand, your hand together with your arm, or your two hands to grasp, manipulate, or assemble objects
- Repair machines or systems using the needed tools
- Instal equipment, machines, wiring, or programs to meet specifications
- Performing routine maintenance on equipment and determining when and what kind of maintenance is needed
- Hold hand and arm steady while moving or in one position
- Use a computer and keyboard to perform basic word processing functions

Physical Endurance:

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

Hearing:

- Hear a wide variety of tones and pitches from soft to loud (“normal” hearing)
- Detect changes in pitch or loudness

Vision:

- See details at close range
- 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:

- Work indoors and outdoors
- Work in extreme hot or extreme cold conditions

- Work at extreme heights without discomfort

Reading & Writing:

- Pass Accuplacer entrance assessment for Reading and Writing
- Understand written sentences and paragraphs in work related documents
- Know the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar
- Complete a work order or service report using appropriate grammar and spelling

Math:

- Pass Accuplacer entrance assessment for mathematics
- Know arithmetic, algebra, trigonometry, and their applications
- Document numbers accurately in records
- Read measurements accurately

Emotional Stability:

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

Analytical Thinking:

- Apply general rules to specific problems to produce answers that make sense
- Use deductive reasoning
- Understand the implications of new information for both current and future problem-solving and decision-making
- Determine the kind of tools and equipment needed to do a job
- Watch gauges, dials, or other indicators to make sure a machine is working properly

Critical Thinking:

- Determine when something is wrong or is likely to go wrong. It does not involve solving the problem, only recognizing there is a problem
- Use logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems
- Determine 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:

- Communicate information and ideas in speaking so others will understand
- Listen to and understand information and ideas presented through spoken words and sentences

- Give 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.
- Talk to others to convey information effectively
- Comprehend written information
- Use email and wireless technology to communicate

Other:

- Must be able to operate computer and scientific calculator
- *Gaining employment in the wind energy industry will likely include a comprehensive background check of one's lifespan.*
- *Candid and complete disclosure by applicants is essential to secure an internship and employment.*
- *Most companies require a valid driver license and a good driving record. An OWI will make employment within the wind industry harder to attain.*