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 Nuclear 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 Nuclear Technology Program.

_______ I am able to meet the Functional Abilities as presented, and have been provided with 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:
Enrollment Office
Lakeshore Technical College
1290 North Avenue
Cleveland, WI 53015-1414
Lakeshore Technical College
Functional Abilities and Technical Standards for:
Nuclear Technology
Nuclear Radiation Safety/Health Physics
Radiation Safety/Health Physics

Gross Motor Skills:
- Move quickly and accurately and coordinate eye-hand movements
- Move fingers, legs, both hands, or compensate with use of acceptable prosthesis
- Ability to reach above shoulder
- Occasional pushing and/or pulling
- Move within a constricted area

Fine Motor Skills:
- Manipulate small objects rapidly and quickly
- Reach, handle, finger, and/or feel

Physical Endurance:
- Tolerate lengthy periods of standing and/or walking
- Tolerate frequent lifting and carrying
- Tolerate 10-12 hour workdays up to 7 days a week

Physical Strength:
- Ability to lift/carry up to 50 lbs.

Mobility:
- Ability to crawl, kneel, and climb using both arms and legs

Hearing:
- Hear normal speaking level sounds
- Hear faint voice sounds
- Hear auditory equipment or safety alarms
- Ability to work in loud environments

Visual:
- Clear eyesight (use of corrective lenses or glasses acceptable)
- Discriminate color, shade, or harmonious colors, or match colors
- Use peripheral vision
- Use depth perception
- See details at close ranges (within a few feet)

Tactile:
- Feel the differences in surface texture

Smell:
- Detect odors (noxious smells, gases, atmospheric conditions)

Environment:
• Tolerate exposure to weather (e.g., extreme cold, extreme heat, wet and humid)
• Tolerate noise levels ranging from very quiet to very loud

Reading & Writing:
• Ability to pass Accuplacer entrance assessment for Reading (79) and Writing (86)
• 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 (100) and algebra (55)
• Knowledge of arithmetic, algebra, trigonometry, and their applications
• Document numbers accurately in records
• Read measurements accurately

Emotional Stability:
• Adapt to changing conditions
• Focus attention to professional tasks
• Accept constructive feedback
• Perform multiple responsibilities concurrently
• Be dependable and cooperative
• Ability to cope with own emotions
• Establish professional relationships
• Adapt to changing environments and adjust to the unexpected

Analytical Thinking:
• Use short term memory
• Use long-term memory
• Problem solve
• Analyze and interpret abstract and concrete data
• Evaluate outcomes
• Strong reasoning skills are required to deal with the complexity and variety of situations encountered

Critical Thinking:
• Plan/ schedule/ control activities
• Sequence information
• Make decisions independently
• Adapt decisions based on updated information
• Comprehend and follow instructions
• Follow a process
• Ability to take and follow orders

Interpersonal Skills:
• Establish a rapport with individuals (e.g., staff, students, preceptors)
• Respect/ value diversity in others
• Resolve interpersonal conflict
• Demonstrate tolerance in working with others
• Function as part of a team

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
• Comprehend and exhibit nonverbal communication
• Arrange information in an order or a pattern

Other:
• Must be able to operate computer and scientific calculator

Very Important
• Gaining employment in the nuclear, radiation safety, and health physics industry will likely include a very comprehensive background check of one’s lifespan. This includes not only criminal activities, but likely also such things as credit history, civil actions, and a psychological profile.
  • To achieve industry employment and internships, must have ability and resources to thoroughly compile, produce, provide, and completely disclose background-check information.