

## **Essential functions for Loyola University Chicago M.S. in Medical Laboratory Science students**

Essential Functions are the non-academic qualities a student must possess in order to fulfill the essential requirements for being a Medical Laboratory Scientist. These functions include:

1. **Communication:**  
Students are able to competently and confidently communicate in English verbally and in writing relating to consultative interactions with members of the healthcare team, external relations, customer service and patient education. Students must be able to comprehend instructions orally or in writing.
2. **Vision:**  
Students possess visual acuity with or without correction to detect and identify specimens and targets macroscopically and microscopically, read procedures, charts, and result print outs. Students must have the ability to distinguish differences in intensity, shape, consistency, and depth needed to properly categorize and aliquot samples.
3. **Dexterity:**  
Students are capable of fine and gross motor skills and hand-eye coordination needed to process and analyze samples, pipet without contamination, and trouble shoot instrumentation.
4. **Physical Requirements:**  
Students are able to carry up to 20lbs, ability to bend and stoop to reach lower level components and interior portions of instrumentation. Can handle prolonged sitting or standing as necessary for each discipline and freely maneuver in a clinical setting.
5. **Cognitive Functions:**  
Students will demonstrate sound intellect and must be able to read, understand, analyze, synthesize, and implement information from scientific sources. Utilize critical thinking skills to analyze laboratory results in relation to disease states and identify potential causes of error.
6. **Professional Skills:**  
Students must be able to demonstrate the ability to relate to people, a capacity for calm and reasoned judgment and a demonstration of commitment to the patient results. Students must hold sound psychological health and emotional stability, even under periods of stress. Ability to work independently or as part of a team, demonstrate time management skills, follow instructions, and multitask as needed.

**I certify I have read and meet the essential functions necessary for study as a Medical  
Laboratory Scientist.**

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Print name

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Signature

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Date