

MLT STUDENT APPLICATION TO THE PROFESSIONAL PROGRAM/CURRICULUM

You are receiving this application because you are eligible to begin MLS 300 level courses at the University of North Dakota in the BS MLS program for MLT students. A program application must be on file at this time. DIRECTIONS: Complete this application and return it using the address above. An evaluation of your application and recommendation for acceptance or non acceptance to the professional program/curriculum will be completed by the Medical Laboratory Science Professional and Academic Standards Committee. You will be notified of acceptance or non-acceptance. **If at the time you are submitting the application you have NOT taken a UND course, you MUST include an UNOFFICIAL transcript of all college level coursework (a copy will be acceptable).** Program acceptance is a competitive process with a limited number of positions available annually.

Admission criteria and program policies can be found in the [MLS Handbook](#).

Full Name (first name, middle initial, last name) _____

Male Female Other: _____ Cell Phone: _____

UND ID # _____

Address (including City/State/Zip) _____

E-mail Address (if current UND student list your und.edu email) _____

Emergency Contact Name _____ Relationship _____

Address (including City/State/Zip) _____

Telephone# _____

CERTIFICATION AND MLT BACKGROUND:

Do you hold certification? AMT ASCP None (If yes, please attach ASCP/AMT Certification proof)

Are you currently working as an MLT? Yes No (If yes, answer three questions below)

Have you completed HIPAA Training through your current employer as an MLT Yes No

Have you completed Blood Borne Pathogen Training through your current employer: Yes No

Have you completed lab safety training through your current employer? Yes No

How long have you worked as an MLT? _____

If working at this time are you working as a generalist? Yes No

What department(s) have you been working in as a MLT? _____

MLT employment location (Name/City/State) _____

Are you planning on working full time while taking courses? Yes No

Are you currently a UND full time on campus student? Yes No

EDUCATION HISTORY

Name of Institution		Dates: (Yrs)		Address: (City/State)
Univ/College:			to	
	Degree Earned:			
Univ/College:			to	
	Degree Earned:			

GPA (required): Overall _____

If your overall GPA is less than 2.800 you will need to complete a petition form and submit it with this application for consideration to the Medical Laboratory Science Professional and Academic Standards Committee.

<https://med.und.edu/medical-laboratory-science/files/docs/mls-professional-academic-standards-petition-form.pdf>

CLINICAL PRACTICUM

What would be your preference for the clinical affiliations?

Clinical Affiliate Site		City, State
Choice 1		
Choice 2		

Essential Functions are the physical, behavioral, and cognitive attributes of an individual that are necessary to be able to successful in an academic or clinical laboratory setting. The following Essential Functions have been defined by the UND MLS Program:

Communication: read, comprehend, and respond to English communications (including person-to-person, telephone, electronic, and written forms) in an effective, respectful, and time-sensitive manner; follow oral and written directions

Behavior and Professional Standards: demonstrate emotional stability to function effectively under stress, remain flexible, and adapt to an environment that may change rapidly without warning and in unpredictable ways; maintain consistent, positive work behaviors including initiative, preparedness, dependability, persistence, and follow-through; project an image of professionalism through appearance, dress, hygiene, positive attitude, and body language; demonstrate appropriate interpersonal behaviors while interacting with others during program-related occurrences, including but not limited to courtesy and cooperation, receiving and responding to constructive feedback, respect and empathy, and non-threatening conduct; abstain from use of illegal, prescription, over the counter, experimental, recreational, or other drugs that have a significant effect upon an individual's judgment.

Critical Thinking and Application: demonstrate time management skills by completing assigned tasks within scheduled timeframe; correlate principles to practice; produce quality work with precision and accuracy in accordance with established protocol

Sensory Functions: differentiate colors (hue, shading, or intensity) and clarity; read fine print including information displayed on orders, printouts, monitors, and equipment; visually analyze specimens and reagents; hear and respond to sounds produced in the laboratory environment

Motor/Physical Functions: sit/stand for prolonged periods of time; safely and accurately manipulate laboratory instrumentation and equipment; be able to lift 10 pounds

Do you feel you meet ALL Medical Laboratory Science essential functions listed above?

Yes No

BACKGROUND CHECK

The University of North Dakota School of Medicine and Health Sciences requires students to have a recent background check. Students will not be allowed to begin clinical rotations and/or categorical coursework without completing such a background check

Satisfy the background check requirement by completing one of the following:

I have attached documentation of a recent background check through my current employer. The documentation includes the date of the background check and the company conducting the background check.

I have provided contact information of a contact that can provide proof of a recent background check:

Contact Name: _____

Contact Employer: _____

Contact Phone: _____ Contact Email: _____

Date of Background Check: _____

Name of the Background Check Company: _____

I have not undergone a background check:

If you have not undergone a background check through your current employer, you will need to complete a background check through before being accepted into the program. There is a \$45.00 fee for this background check. To access the background check, go to this web address:

www.verifiedcredentials.com School Code: PPJXX-74494

Date of completed background check: _____

PLEASE COMPLETE BOTH PART A & PART B OF SUPPLEMENTAL APPLICATION MATERIALS AND SUBMIT WITH YOUR APPLICATION. (PLEASE ANSWER SEPARATELY).

PART A: CRITICAL ANALYSIS PASSAGE

Directions: On a separate piece of paper (place your name at the top of each), answer the following questions in your own words, based ONLY on the procedure below. Use complete sentences. A word-processed response is expected. DO NOT use sources other than the passage/information shared below.

LEUKOCYTE ALKALINE PHOSPHATASE STAIN (LAP) PROCEDURE

1. Prepare the staining solution according to package insert immediately before use.
2. After collection, place the air dried blood smears in a coplin jar containing citrate buffered acetone (fixative) for 30 seconds.
3. Carefully rinse the smears in running distilled water for 45 seconds. Do not allow smears to dry.
4. Place smears in the staining solution for 30 minutes at room temperature.
5. Wash smears in distilled water for 2 minutes. Do not allow smears to dry.
6. Counterstain with Mayer's hematoxylin for 10 minutes. Rinse smears in distilled water for 3 minutes.
7. Examine the smears microscopically in a relatively thin area of the smear using the oil immersion objective (100x). Count 100 consecutive neutrophils and grade each one from 0 to 4+ on the basis of the appearance (quantity and intensity) of the precipitated dye in the cell. The cytoplasm of the cells will be colorless to pale blue.
8. The total rating for 100 neutrophils is determined by multiplying the number of cells in each group by its rating and adding these numbers together for the total LAP score. The normal range for this test is 30 to 185. Decreased LAP scores are associated with chronic myelogenous leukemia, while increased LAP scores are seen in leukemoid reactions.

Directions: On a separate piece of paper (with your name), type answers to the following questions in your own words, based on the above procedure. Use complete sentences. DO NOT use sources other than the above passage.

1. What should be done immediately after cleaning the smears with distilled water for 2 minutes?
2. Calculate the LAP score for a sample that gave the following staining results (show your work).

# of Neutrophils	8	11	23	27	31
Grade	0+	1+	2+	3+	4+

3. Indicate whether the LAP score you recorded for question 3 is increased, decreased, or normal when compared to the normal reference interval. Would you believe that this result came from a patient with Chronic Myelogenous Leukemia? Explain why or why not.
4. A person did everything according to the above procedure, except he/she counted a total of 80 neutrophils. How might this impact the final LAP result? Do you think the LAP score generated would be accurate? Explain.
5. Read the following scenario. Describe all instances where the procedure was not followed, and indicate what should have been done instead.

Scenario: A laboratory employee made LAP stain according to the package insert. She then gathered the dried smears that needed to be stained, and placed them in a coplin jar of acetone fixative for 30 seconds. She then rinsed the smears with a steady stream of distilled water for 45 seconds. She left the smears at room temperature for 30 minutes, and then stained them for 30 minutes, also at room temperature. After staining, she rinsed the smears for 2 minutes with distilled water, and then immediately placed the smears in the counterstain for 2 minutes. She then did a final rinse with distilled water for 3 minutes, and began microscopic evaluation.

Part B: SELF ASSESSMENT

Why Medical Laboratory Science? It is a simple, yet basic question that relates to each student in the medical laboratory science program. Please use your own words. Responses should exhibit a college level of writing, which includes error-free spelling, grammar, sentence structure, and punctuation. Please submit your self-assessment as a separate word-processed document. The following questions are designed to cause you to reflect personally on the MLS profession and assist the Admissions Committee to become better acquainted with you.

1. Why do you want to become a medical laboratory scientist?
 2. What personal, positive qualities do you have that you feel would be an asset to you in this profession?
 3. What reservations, if any, do you have concerning this profession?
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Signature _____ Date _____

The UND MLS program is accredited by the National Accrediting Agency for CLS (NAACLS)
5600 N River Rd Suite 720, Rosemount, IL 60018-5119

Equal Opportunity Statement

It is the policy of the University of North Dakota that no person in the United States shall be discriminated against because of race, religion, age, color, gender, disability, national origin, creed, sexual orientation, gender identity, marital status, veteran's status, or political belief or affiliation and the equal opportunity and access to facilities shall be available to all. This policy is particularly applicable in the admission of students in all colleges, and in their academic pursuits. It also is applicable in the University-owned or University-approved housing, food services, extracurricular activities and all other student services. It is a guiding policy in the employment of students either by the University or by outsiders through the University and in the employment of faculty and staff. Concerns regarding Title IX, Title VI, Title VII, ADA, and Section 504 may be addressed to Donna Smith, Director of Equal Employment Opportunity/Affirmative Action and Title IX Coordinator at 701-777-4171, und.affirmativeactionoffice@und.edu or the Office for Civil Rights, U.S. Dept. of Education, 500 West Madison, Suite 1475, Chicago, IL 60611 or any other federal agency.