

# Master of Science in Medical Laboratory Science

## Admission Requirements

Admission to the MS in MLS program at UND is on a competitive basis. All applicants must meet the general requirements for admission to UND's School of Graduate Studies found in the graduate catalogue, as well as the following program admission requirements:

1. BA or BS degree
2. Successful completion of a certification exam at the MLS level through an approved agency (e.g., ASCP BOC, AMT, CSMLS)

## Application Requirements

The application will require:

- Copies of college transcripts (note: foreign transcripts must be submitted to a foreign credentials evaluation service such as World Education Services)
- Proof of certification at the MLS level through an approved agency (e.g., ASCP BOC, AMT, CSMLS)
- A current resume or CV
- A 1-2 page personal statement addressing:
  - Your background including skills and experiences that have readied you for graduate-level coursework
  - Your purpose and goals for completing the MS in MLS program
  - Why you feel the UND MS in MLS program is right for you and your goals
- Three Letters of Recommendation
  - Letters should be from individuals who have interacted with you from a supervisory perspective in an academic (ex. previous instructor; no more than one letter from UND MLS faculty) or professional/clinical (ex. supervisor, lead tech, etc.) capacity; Letters should not be from family members or personal friends

## Degree Requirements

Students seeking the Master of Science degree at the University of North Dakota must satisfy all general requirements set forth by the School of Graduate Studies as well as particular requirements set forth by the Medical Lab Science Program, including:

1. A minimum of 33 total semester credits as outlined in the Curriculum section
2. Successful completion of comprehensive examinations

## Curriculum

### Foundation Courses

All Foundation Courses are required for degree completion. MLS 525 must be completed in the first semester. MLS 524 should be completed during the first or second fall semester. MLS 515 should be completed in the last spring semester.

Code	Title	Credits
MLS 515	Capstone in Medical Laboratory Science	2
MLS 524	Current Trends and Issues in Medical Laboratory Science	2
MLS 525	Professional Communication in the Medical Laboratory	3
MLS 590	Project Development	1
MLS 997	Independent Study	2

### Core Courses

Three Core Courses are required for degree completion. Additional Core Courses taken beyond the requirement are counted as Elective Courses.

Code	Title	Credits
Choose at least three:		
MLS 502	Advanced Clinical Hematology: Erythrocytes	3
MLS 503	Advanced Clinical Hematology: Leukocytes	3
MLS 506	Advanced Clinical Chemistry	3
MLS 507	Advanced Clinical Immunohematology	3
MLS 513	Advanced Clinical Immunology	3
MLS 518	Advanced Molecular Diagnostics	3
MLS 522	Advanced Clinical Bacteriology	3
MLS 523	Advanced Non-Bacterial Microbiology	3
MLS 526	Advanced Clinical Hemostasis	3

### Leadership Courses

One Leadership Course is required for degree completion. Additional Leadership Courses taken beyond the requirement are counted as Elective Courses.

Code	Title	Credits
Choose at least one:		
MLS 530	Medical Laboratory Leadership: Principles Practice	1
MLS 531	Medical Laboratory Leadership: Practical Applications	1
MLS 532	Medical Laboratory Leadership: Conflict Resolution	1

### Elective Courses

Select from available Elective Courses to reach the total credits required for degree completion. Note that any Core or Leadership Course taken beyond the requirement will be counted as an Elective Course.

Code	Title	Credits
MLS 501	Advanced Laboratory Practice: Technical Concepts	3
MLS 505	Advanced Laboratory Practice: Financial Management	3
MLS 509	Medical Laboratory Education: Teaching Principles	3
MLS 516	Special Topics in Medical Laboratory Science	1-4
MLS 517	Advanced Laboratory Practice: Administrative Concepts	3
MLS 527	Medical Laboratory Education: Assessment and Accreditation	3
MLS 528	Medical Laboratory Science and Public Health	3
MLS 589	Readings in Medical Laboratory Science	1
MLS 591	Directed Study in Laboratory Medicine	1-6