

BS Med Lab Sci
Bachelor of Science in Medical Laboratory Sciences
Under Review | Spring 2026

Proposal Information

Status

Active

Workflow Status

In Progress

Refresh  **Form Submission, Proposer**

collapse ▼

Submitted for Approval | Proposer

✓ Julia H Allen | 10/09/2025 3:28 PM

Department Chair Approval, Pathology & Medical Laboratory Sciences

Approved | Department Chair

✓ Barbara Masten | 10/10/2025 7:20 AM

Registrar Technical Check Approval, Registrar Technical Check

Approved | HSC Technical Check

✓ Todd Hynson | 10/14/2025 8:36 AM

Health Professions Dean, School of Medicine

Approved | Health Professions Dean

✓ Shelly McLaughlin | 10/14/2025 8:50 AM

HSC Library Approval, HSC Library

Approved | Library Approval

✓ Melissa Rethlefsen | 10/14/2025 9:01 AM

FSCC Member notification, Faculty Senate Curriculum Committee

Notification Sent | Faculty Senate Curriculum Committee Member

- ✉ Joe Anderson
- ✉ Laura Belmonte
- ✉ Sara Ice
- ✉ Mary Rice
- ✉ John Russell
- ✉ SueNoell Stone
- ✉ Jonathan Wheeler
- ✉ Kirsten Thomson
- ✉ Paulo Dutra
- ✉ Randi Archuleta
- ✉ Joan Lucas
- ✉ Julia So
- ✉ Jennifer Henry
- ✉ Christopher Holden
- ✉ Justine Ponce
- ✉ Isabella Goss
- ✉ Vanessa Ferguson
- ✉ Lauren McQuiston
- ✉ Jennifer Laws

Faculty Senate Curriculum Committee Approval, Faculty Senate Curriculum Committee

Approved | Faculty Senate Curriculum Committee Chair

✓ Janet Vassilev

Conditionally Approved 11/14/25 pending written comments from the committee within a week. There were none so it is now approved.

11/21/2025 8:38 AM

— Nicole Capehart

HSC Vice President Academic Affairs Approval, HSC Vice President Academic Affairs

Approved | HSC Vice President Academic Affairs

✓ Shelly McLaughlin | 11/21/2025 9:14 AM

Faculty Senate Approval, Faculty Senate

Waiting for Approval | Faculty Senate Approval

Nancy Middlebrook
Theresa Sherman

External Review - HED CIP code approval, External Review

Approval | HED CIP code approval

Michael Raine
Anna Gay

Reg. Final Approval/Processing, Registrar

Approval | Registrar final approval

Michael Raine
Maggie Sumruld

Notification, Proposer
Notification | Proposer

Julia H Allen

IDI Notification
Notification

IDI

EMRT notification, EMRT users
Notification | EMRT user

Enrollment Mgt Reporting Team

Notification, LoboTrax Team
Notification | LoboTrax Staff

Sherri DeLeve
Paula Freitag
Hannah Epstein
Allie Martinez
Glenda Johnson

Changes

- Catalog
- Requirements
- Admissions Requirements
- Proposed Effective Term and Year
- Sponsoring faculty/staff member

Show All ▼

Proposal Information

Proposed
Sponsoring faculty/staff member
Julia Allen

Existing
Sponsoring faculty/staff member
Margaret Alba

College
School of Medicine

Department
Pathology & Medical Laboratory Sciences

Proposed
Sponsoring faculty/staff email
juhallen@salud.unm.edu

Existing
Sponsoring faculty/staff email
malba@salud.unm.edu

Campus
Main Campus

Effective Term and Year

Proposed
Proposed Effective Term and Year
Spring 2026

Existing
Proposed Effective Term and Year
Fall 2024

Justification

Proposed
Program Justification
Discovered error in the listing of the degree requirements. Updating the requirements to reflect that ENGL 1110 can only be used in the "Student Choice" Area VII. Students must complete all UNM General Education requirements in Areas I-VII, including Critical Analysis of U.S. and Global Cultures, before admission into the MLS program.

Existing
Program Justification
Dropping 3 prerequisite courses to lower the total MLS program minimum to 123 credit hours.

Program Category and Level

Program Category	Program Level	Degree, Minor, or Certificate Name
Degree	Undergraduate	Bachelor of Science in Medical Laboratory Sciences

Certificate or Degree Type
Bachelor of Science

Degree/Certificate Level
Undergraduate

Is this program also offered online?
--

File Uploads

Document uploads

Associated Quali Forms

Select any associated course forms that exist	Select any associated program forms that exist
---	--

Shared Credit and Dual Degree information

Interdepartmental Program
No

Catalog Information

Program Description

Medical Laboratory Sciences or Medical Technology is the rapidly expanding health profession of clinical laboratory medicine. With tremendous advances in medical research in recent years, modern health care has become increasingly dependent on a growing variety of complex laboratory tests to diagnose and treat disease.

The Medical Laboratory Sciences (MLS) program may be taken as part of a four-year curriculum leading to the Bachelor of Science degree in Medical Laboratory Sciences from the UNM School of Medicine *OR* as part of a degree from another four-year academic institution. The program follows a prescribed curriculum which requires two and one half years of pre-professional academic study and one and one half years in the MLS program.

Students earning a B.S. degree from an academic institution other than the University of New Mexico must meet the degree requirements established by that university in addition to the minimum educational requirements specified below for entering the UNM MLS program. Students register through UNM for all MEDL courses.

Proposed

Admissions Requirements

Minimum education requirements are 60 credit hours of acceptable coursework from a college or university approved by a recognized accrediting agency including the required courses listed below. All credit hours must be acceptable towards a baccalaureate degree. A minimum grade of "C" or better in all subjects and a grade of "C" or better in each prerequisite biology, chemistry and math course is required. All students are required to meet with the Medical Laboratory Sciences Program advisor on North Campus if they are interested in applying for the program.

Students coming from other universities or colleges who will earn their baccalaureate degree from their parent institutions or students who already have a baccalaureate degree must have the following prerequisites for admission to the Medical Laboratory Sciences Program at the University of New Mexico.

Total of 60 credit hours including:

1. Biological Sciences: approximately 18 credit hours including courses in anatomy and physiology and microbiology.
2. Chemistry: approximately 12 credit hours including one course in organic or biochemistry.
3. Mathematics: a minimum of one course in college-level algebra or a higher math course.

NOTE: Remedial and survey courses are not acceptable.

Students can be admitted to the program at the beginning of the Spring semester or Fall semester. An application must be submitted to the Office of Medical Laboratory Sciences by the **October 15** deadline for January admission or **June 15** for August admission. Application may be made while completing the final semester of prerequisites. Official transcripts of all college course work must be sent directly from each institution unless all course work was completed at UNM. Admission is limited, with selection based on cumulative grade point average, grade point average in chemistry, math, and science courses, letters of recommendation, and a personal interview. A minimum cumulative grade point average of 3.0 is required. Selection of applicants is made by the Medical Laboratory Sciences Admissions Committee. All applicants are notified of their admission status. Selection is given to qualified persons regardless of race, color, religion, gender, national origin, age, qualified handicap or military involvement. Residents of New Mexico receive preference in admission.

Existing

Admissions Requirements

Minimum education requirements are 60 credit hours of acceptable coursework from a college or university approved by a recognized accrediting agency including the required courses listed below. All credit hours must be acceptable towards a baccalaureate degree. A minimum grade of "C" or better in all subjects and a grade of "C" or better in each prerequisite biology, chemistry and math course is required. All students are required to meet with the Medical Laboratory Sciences Program advisor on North Campus if they are interested in applying for the program.

Students coming from other universities or colleges who will earn their baccalaureate degree from their parent institutions or students who already have a baccalaureate degree must have the following prerequisites for admission to the Medical Laboratory Sciences Program at the University of New Mexico.

Total of 60 credit hours including:

1. Biological Sciences: approximately 18 credit hours including courses in anatomy and physiology and microbiology.
2. Chemistry: approximately 12 credit hours including one course in organic or biochemistry.
3. Mathematics: a minimum of one course in college-level algebra or a higher math course.

NOTE: Remedial and survey courses are not acceptable.

Students can be admitted to the program at the beginning of the Spring semester or Fall semester. An application must be submitted to the Office of Medical Laboratory Sciences by the **October 15** deadline for January admission or **June 15** for August admission. Application may be made while completing the final semester of prerequisites. Official transcripts of all college course work must be sent directly from each institution unless all course work was completed at UNM. Admission is limited, with selection based on cumulative grade point average, grade point average in chemistry, math, and science courses, letters of recommendation, and a personal interview. A minimum cumulative grade point average of 3.0 is required. Selection of applicants is made by the Medical Laboratory Sciences Admissions Committee. All applicants are notified of their admission status. Selection is given to qualified persons regardless of race, color, religion, gender, national origin, age, qualified handicap or military involvement. Residents of New Mexico receive preference in admission.

Graduation Requirements

Professional Credential/Licensure Program Information

License/Certification associated with program

Yes

Licensure Information

Pre-licensure

Licensure requierements met in the following states:

Licensure requirements not met in the following states:

Licensure requirements undetermined in the following states:

For each state selected, is there a state or regional licensing board that oversees Professional Licensure?

--

National licensing board

--

Professional Credential or Licensure Description

Professional Accrediting Bodies

The program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Rd., Suite 720, Rosemont, IL 60018-5119, (773) 714-8880. Students who successfully complete the program are eligible to sit for the national certification examination given by the Board of Certification (ASCP).

Degree Information

Degree Hours

123

Minimum Major Hours

63

Degree Requirements

Requirements

- Complete all of the following

Pre Admission Curriculum

- Complete all of the following

Biological Sciences

- Complete all of the following
 - Complete 1 of the following
 - Complete the following:
 - BIOL1140 - Biology for Health Sciences (3)
 - BIOL1140L - Biology for Health Sciences Lab (1)
 - BIOL2101 - Principles of Biology: Molecules to Cells (3)
 - BIOL2103L - Principles of Biology: Introductory Laboratory (1)
 - Complete the following:
 - BIOL2410C - Principles of Biology: Genetics Lecture and Laboratory (4)
 - BIOL2101 - Principles of Biology: Molecules to Cells (3)
 - BIOL2103L - Principles of Biology: Introductory Laboratory (1)
 - Complete the following:
 - BIOL2210 - Human Anatomy and Physiology I (3)
 - BIOL2225 - Human Anatomy and Physiology II (3)
 - Complete 1 of the following
 - Complete the following:
 - BIOL2305 - Microbiology for Health Sciences (4)
 - Complete the following:
 - BIOL351 - General Microbiology (3)
 - BIOL352L - General Microbiology Laboratory (1)

Chemistry

- Complete all of the following
 - Complete the following:
 - CHEM1215 - General Chemistry I for STEM Majors (3)
 - CHEM1215L - General Chemistry I for STEM Majors Laboratory (1)
 - Complete the following:
 - CHEM1225 - General Chemistry II for STEM Majors (3)
 - CHEM1225L - General Chemistry II for STEM Majors Laboratory (1)
 - Complete 1 of the following
 - Complete the following:
 - CHEM2120 - Integrated Organic Chemistry and Biochemistry (4)
 - Complete the following:
 - CHEM301 - Organic Chemistry (3)
 - CHEM303L - Organic Chemistry Laboratory (1)

Mathematics

- Complete all of the following
 - Earn at least 3 credits from the following:
 - MATH1220 - College Algebra (3)
 - MATH1350 - Introduction to Statistics (3)
 - Earn at least 3 credits from the following types of courses:
Higher-level math or statistics

English

- ~~Complete all of the following~~
 - ~~Earn at least 3 credits from the following:~~
 - ~~ENGL1110 - Composition I (3)~~
 - ~~ENGL1110Y - Composition I: Stretch II (3)~~
 - ~~ENGL1110Z - Enhanced Composition (4)~~
 - ~~Complete the following:~~
 - ~~ENGL1120 - Composition II (3)~~

General Education Curriculum

- Complete all of the following

- Courses must be taken to fulfill General Education curriculum requirements in the following areas listed. Refer to the Undergraduate Program section of this Catalog for information on courses that meet General Education curriculum and **Critical Analysis of U.S. and Global Diversity** **Cultures and Inclusion** requirements.
- ~~Earn at least 6 credits from the following types of courses:~~
~~Area 4: Social and Behavioral Science Area 5: Humanities~~
- ~~Earn at least 3 credits from the following types of courses:~~
~~Area 6: Second Language~~
- ~~Earn at least 9 credits from the following types of courses:~~
~~Area 7: Arts and Design Area 8: Student Choice~~
- **Earn at least 24 credits from the following types of courses:**
UNM General Education Areas I through VII, and Critical Analysis of U.S. and Global Cultures.

Major Requirements

- Complete the following:
 - MEDL234 - Introduction to Clinical Immunology (3)
 - MEDL300L - Molecular Diagnostics & Applied Clinical Math (2)
 - MEDL310 - Introduction to Clinical Chemistry (3)
 - MEDL311L - Introduction to Clinical Chemistry Lab (2)
 - MEDL315L - Clinical Serology (2)
 - MEDL320 - Introduction to Clinical Hematology-Hemostasis (4)
 - MEDL321L - Clinical Hematology-Hemostasis Lab (2)
 - MEDL330 - Introduction to Clinical Microbiology (3)
 - MEDL331L - Introduction to Clinical Microbiology Lab (2)
 - MEDL340L - Introduction to Clinical Immunohematology (2)
 - MEDL350L - Clinical Urinalysis (2)
 - MEDL410L - Advanced Clinical Chemistry (3)
 - MEDL420L - Advanced Clinical Hematology-Hemostasis (3)
 - MEDL430 - Advanced Clinical Microbiology (3)
 - MEDL431L - Advanced Clinical Microbiology Lab (2)
 - MEDL432L - Clinical Parasitology (2)
 - MEDL440L - Advanced Clinical Immunohematology (2)
 - MEDL445 - Clinical Management and Education (2)

Clinical Rotation Courses

- Complete the following:
 - MEDL351 - Basic Clinical Chemistry Rotation (3)
 - MEDL352 - Basic Hematology-Hemostasis Rotation (3)
 - MEDL355 - Clinical Urinalysis Rotation (1)
 - MEDL452 - Advanced Hematology and Hemostasis Rotation (2)
 - MEDL453 - Clinical Microbiology Rotation (5)
 - MEDL454 - Clinical Immunohematology Rotation (4)
 - MEDL451 - Advanced Clinical Chemistry Rotation (1)

Grand Total Credits: 123

Concentrations

Program Concentrations

Code	Title
Concentration Required	
No	

Emphases

Emphasis required	Emphasis Hours
N/A	
Emphasis Rules	
No Rules	

Sample Degree Plan

Proposed

Sample Degree Plan Upload

- 2025 suggested MLS Degree Plan.docx

Existing

Sample Degree Plan Upload

- 2023 MLS Degree Plan.pdf

Program Learning Outcomes

Learning Outcomes

Knowledge

- Identify, define, and apply the scientific principles and knowledge necessary for the competent practice of laboratory medicine
- Differentiate physiologic from pathophysiologic states of various patient analyzed samples

Laboratory Skills

- Analyze all patient samples with accuracy and precision in a timely manner
- Gather additional laboratory data and apply problem-solving skills to solve problem results/discrepancies

Diagnostic Ability

- Interpret patient laboratory findings in health and disease

Communication Skills

- Demonstrate effective communication behaviors and skills with colleagues in program and clinical rotation sites
- Work effectively with others as a member/leader of a hospital team

Professionalism Ethics

- Define and apply ethical principles in the diverse and complex context of laboratory medicine

Registrar Office Only

CM Program Code

BS Med Lab Sci

BANP

Banner Program Code

BSML-MEDL-ME

Major Code

MEDL

Online Program Code

Online Major Code

Pre-major Program Code

Pre-major Major Code

CIP Code

51.1004

Concentration Inheritance

No

Proposed

Catalog

Main Campus

Catalog Activation Date

08/01/24

Existing

Catalog

Main Campus

Notes