

# PRE-MEDICAL LAB SCIENCE

<b>Undergraduate Credit Required</b>	77 hours
<b>Entrance Exam</b>	None
<b>Professional Schooling Required</b>	11 months for a BS in Medical Lab Science
<b>Local Professional Schools</b>	UNMC
<b>Professional Organization Websites</b>	ascls.org (American Society for Clinical Laboratory Science); ascp.org (American Society for Clinical Pathology)

## REQUIRED AND SUGGESTED ELECTIVES FOR CURRENTLY ENROLLED UNL UNDERGRADUATE STUDENTS

The following course recommendations fulfill the entrance requirements for the UNMC Medical Laboratory Science Program (formerly Clinical Lab Science).

**Community College Credit:** UNMC accepts up to 66 credit hours of credit from a community college; 11 credit hours must be taken at a 4-year school.

**Math Requirement:** Some required science courses, like chemistry, require math as a prerequisite. See your pre-health advisor for math placement information.

**AP/CLEP:** AP/CLEP credit will not be accepted toward English composition, Math, or Science prerequisites. AP/CLEP credit can be used for elective credit.

### REQUIRED COURSES

Biological Sciences with labs – 2 courses		
LIFE 120/120L, 121/121L		
Course	Term	Grade
Microbiology with lab – 1 course		
BIOS 312/314		
Course	Term	Grade
Molecular Biology or Genetics – 1 course		
BIOS 206		
Course	Term	Grade
Immunology – 1 course		
BIOS 443		
Course	Term	Grade
Chemistry with lab – 1 sequence		
CHEM 109 & 110 or CHEM 113, 114 & 221; this sequence is a prerequisite for required upper level chemistry		
Course	Term	Grade

Upper Level Chemistry with lab preferred (200 level or higher) – 2 courses		
CHEM 251/253, 252/254, 255/257, 221 BIOC 321/321L, or BIOC 431/433		
Course	Term	Grade
Math or Statistics (statistics preferred) – 1 course		
MATH 101, 103, 106, or 107; or STAT 218, ECON 215, EDPS 459, or PSYC 350		
Course	Term	Grade
English Composition – 1 course		
ENGL 101, 150, 151, 254, or 354		
Course	Term	Grade

### SUGGESTED ELECTIVES

- **Physiology (strongly recommended):** BIOS 213/213L
- **Molecular Biology (strongly recommended):** BIOS 303
- **Cell Biology:** BIOS 302; BIOS 407
- **Genetics:** BIOS 205
- **Hematology (not offered at UNL; check with UNMC)**
- **Parasitology:** BIOS 385

Suggested Sequence of Required and Suggested Science Courses	
<b>Semester 1</b> LIFE 120/120L Math (per MPE)	<b>Semester 2</b> General Chemistry I LIFE 121/121L
<b>Semester 3</b> General Chemistry II	<b>Semester 4</b> Organic Chemistry I BIOS 206 (or semester 3)
<b>Semester 5</b> BIOS 312/314 Organic Chemistry II <b>or</b> other 200 level CHEM/BIOC Statistics	<b>Semester 6</b> Immunology Additional CHEM or BIOS

#### EXTRA CURRICULAR INVOLVEMENT & ACTIVITIES

Pursuing Pre-Medical Lab Science requires more than just coursework. Your extracurricular activities, employment, and healthcare experiences like shadowing and volunteering will contribute greatly to your success in this field. See your pre-health advisor in the Explore Center to plan extracurricular activities that will prepare you for this program.

#### APPLICATION AND ADMISSION

- Applications: To apply to UNMC's Medical Laboratory Science program, apply online at [unmc.edu/alliedhealth/education/mls/admission/apply.html](http://unmc.edu/alliedhealth/education/mls/admission/apply.html). Applications are due by October 15 of the year preceding matriculation.
- Entrance Exam: There is no entrance exam required.
- Additional admission requirements: Two letters of recommendation are required. Shadowing and direct observation of clinical labs is highly recommended. UNMC also requires an interview. For additional application details, see [unmc.edu/alliedhealth/education/mls/admission/apply.html](http://unmc.edu/alliedhealth/education/mls/admission/apply.html).

#### ADDITIONAL RESOURCES

**Explore Health Careers:** <http://explorehealthcareers.org>

**University of Nebraska Medical Center**

**College of Allied Health Professions**

**Academic & Student Affairs**

402-559-6673

[CAHPadmissions@unmc.edu](mailto:CAHPadmissions@unmc.edu)

[unmc.edu/alliedhealth](http://unmc.edu/alliedhealth)

Updated August 2017



- Love Library South
- 402.472.3605
- [explorecenter@unl.edu](mailto:explorecenter@unl.edu)
- Monday-Friday, 8 a.m. – 5
- [explorecenter.unl.edu](http://explorecenter.unl.edu)



#exploreunl

