



PROGRAM OVERVIEW

The Medical Laboratory Science Coordinated Graduate program prepares students to become nationally registered medical laboratory scientists and work in clinical laboratory positions upon graduation.

The Coordinated Graduate program of the Medical Laboratory Science program is designed for the student who has an undergraduate degree in a major other than Medical Laboratory Science and would like to return to school to pursue a career as a medical laboratory scientist. This program is not open to students who have completed a didactic program in medical laboratory sciences. Graduates are eligible to sit for the [ASCP national examination](#).

Students will enter the program, for one academic year, as an undergraduate student. Students will transition to the Graduate School and ultimately earn a Master of Science upon completion of all program requirements.

APPLICATION REQUIREMENTS

BACHELOR'S DEGREE: A bachelor's degree (B.S. or B.A.) in a major other than Medical Laboratory Science from an accredited North American college or university, or a comparable degree from a recognized foreign college or university must be earned prior to the start of the program.

PREREQUISITES: Completion of prerequisite courses or acceptable approved equivalents with a grade of C or higher. Due to COVID-19, grades of "S" and "PA" taken between Spring 2020 and Spring 2021 will be accepted. Additionally, please note that Ohio State switched from PA/NP to emergency grading in Spring 2021. Grades of "NP," "U", and "PE" are considered below a C- and will **not** be accepted.

GPA: Academic achievement is demonstrated by the cumulative grade-point average and the grades earned in the program prerequisites. The GPA will be computed using ALL grades earned from ALL institutions attended, and only applicants with a cumulative GPA of a 3.0 or higher (on a 4.0 scale) at the time of application will be evaluated for possible admission.

ONLINE APPLICATION: [The application is available online](#), which must be completed and submitted with all required supplemental documents if applicable. [Application FAQ can be found here.](#)

The admission process includes admission to the undergraduate as well as the graduate portion of the program. The graduate application process will occur during the second semester of Year 1.

A personal interview may be offered to competitive applicants. Knowledge of the profession and personal career goals will be evaluated at that time. The program will give individual consideration in the admission assessment to courses taken and applicant experiences.

PREREQUISITE COURSES

These courses must be completed prior to beginning the professional program. Ohio State course numbers shown below.

Math 1150 or higher

Microbiology 4000.01

Chemistry 1210

Chemistry 1220

Biology 1113

Statistics 1450.01

Molecular Genetics 4500*

Organic Chemistry Sequence (2 courses)*

Chemistry 2510 and BioChem 4511 **or**
BioPharm 3311 and BioPharm 3312

**Students may be admitted prior to completing Molecular Genetics 4500 and the Organic Chemistry sequence, although completion of these courses creates a stronger application. Courses must be completed before Year 2 Autumn as shown on the next page.*

APPLICATION DEADLINE

The Coordinated Graduate program of the Medical Laboratory Science admits once per year, with students beginning in the Autumn semester. The application deadline for Autumn 2023 is January 31, 2023 for domestic and international students. The undergraduate portion of the professional program will begin August 22, 2023.

Begin Undergraduate Portion

YEAR 1

Autumn		Credits	Spring		Credits	Notes
MLS 4400	Med Lab Environment Lecture	1	MLS 5000	Microbiology I Lecture	3	
MLS 5100	Microbiology II Lecture	3	MLS 5005	Microbiology I Lab	2	
MLS 5105	Microbiology II Lab	1	MLS 5200	Immunology Lecture	3	
MLS 5050	Hematology Lecture	5	MLS 5205	Immunology Lab	1	
MLS 5055	Hematology Lab	2	MLS 5150	Microscopy Lecture	2	
MLS 4405	Med Lab Environment Lab	1	MLS 5155	Microscopy Lab	1	
MLS 4500	Phlebotomy Lecture	1	Total		12	
MLS 4505	Phlebotomy Lab	1				
Total		15				

Begin Graduate Program

YEAR 2

Autumn		Credits	Spring		Credits	Summer	Credits	
MLS 5300	Chemistry Lecture	5	MLS 5089	Clinical Practice	5	MLS 6890	Grad Seminar	2
MLS 5305	Chemistry Lab	2	MLS 5600	Interdisciplinary Studies	1	Elective*		3-4
MLS 5250	Immunohematology Lecture	4	MLS 5350	Professional Issues	3	Total		5-6
MLS 5255	Immunohematology Lab	2	HTHRHSC 5300	Mgmt & HR	3			
MLS 5400	Mol. Tech. Lecture	2	Total		12			
HTHRHSC 6795		1						
Total		16						

YEAR 3

Autumn		Credits	Spring		Credits	Notes
MLS 6885	Clinical Teaching Practicum	2	ACEL 8877	Data Collection	3	
ACEL 8855	Research Methods & Design	3	HTHRHSC Core Course		1-4	
HTHRHSC Core Course		1-4	<i>Select One:</i>		2-3	
<i>Select One:</i>		2-3	HTHRHSC 7990	Non-Thesis Research		
HTHRHSC 7990	Non-Thesis Research		HTHRHSC 7999	Thesis Research		
HTHRHSC 7999	Thesis Research		Total		9-14	
Total		11-16				

To be eligible for graduation, students must complete a total of 30 credit hours.

Ohio State academic programs are designed to prepare students to sit for applicable licensure or certification in Ohio. If you plan to pursue licensure or certification in a state other than Ohio, please review state educational requirements for licensure and certification and state licensing board contact information [here](#) for online programs and [here](#) for on-campus programs.

Questions?

Contact the School of Health and Rehabilitation Sciences
614-292-1706 or HRSGraduateStudentServices@osumc.edu
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