



PROGRAM OVERVIEW

The Medical Laboratory Science (MLS) post-baccalaureate certificate program prepares students who have earned an undergraduate degree outside of medical laboratory science to become nationally registered medical laboratory scientists and work in clinical laboratory positions. Students that successfully complete the certificate are eligible to sit for the [national examination](#).

APPLICATION REQUIREMENTS

GPA of 2.50 or higher

A minimum 2.50 cumulative GPA is required in all coursework taken at any accredited institution.

Prerequisite Courses

Before starting the professional program, all prerequisite courses or equivalents must be completed with a C- or higher.

Earned Baccalaureate Degree

An earned baccalaureate degree from an accredited college or university. Applicants are responsible for determining that the completed baccalaureate degree meets the guidelines set forth by the [ASCP BOC](#).

Online Application

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

Although a personal interview will not be offered, applicants will be asked on the application to outline their knowledge of the profession and personal career goals. The program will give individual consideration in the admission assessment to courses taken and applicant experiences.

APPLICATION DEADLINE

The Medical Laboratory Science program admits students once per year, with students beginning the program in the Autumn semester. The application deadline for Autumn 2024 is January 31, 2024. The professional program will begin on August 20, 2024.

CERTIFICATE REQUIREMENTS

The Medical Laboratory Science (MLS) post-baccalaureate certificate program requires at least 57 credit hours. The program includes six weeks of clinical practice in the final semester of enrollment. Since this is not a degree program, students do not need to complete general education requirements.

PREREQUISITE COURSES

These courses must be completed before beginning professional coursework. Ohio State course numbers are shown below.

Math 1148 & 1149, or 1150 or higher

Biology 1113

Chemistry 1210

Chemistry 1220

Microbiology 4000.01

Statistics 1450

HTHRHSC 2500

Organic Chemistry Sequence (2 courses) **

Chemistry 2510 and BioChem 4511, or

BioPharm 3311 and 3312

***Although completion of courses creates a stronger application, students may be admitted before completing these courses. Courses must be completed before the Autumn semester of the second year in the professional program.*



YEAR 1

Autumn	Credits	Spring	Credits
MLS 4400 Med Lab Environment Lecture	1	MLS 5000 Microbiology II Lecture	3
MLS 4405 Med Lab Environment Lab	1	MLS 5005 Microbiology II Lab	2
MLS 5100 Microbiology I Lecture	3	MLS 5150 Microscopy Lecture	2
MLS 5105 Microbiology I Lab	1	MLS 5155 Microscopy Lab	1
MLS 5050 Hematology Lecture	5	MLS 5200 Immunology Lecture	3
MLS 5055 Hematology Lab	2	MLS 5205 Immunology Lab	1
MLS 4500 Phlebotomy Lecture	1	HTHRHSC 4200 Health Sciences Research	3
MLS 4505 Phlebotomy Lab	1		
	Total 15		Total 15

YEAR 2

Autumn	Credits	Spring	Credits
MLS 5300 Chemistry Lecture	5	MLS 5089 Clinical Practice	5
MLS 5305 Chemistry Lab	2	MLS 5600 Interdisciplinary Studies	1
MLS 5250 Immunohematology Lecture	4	MLS 5350 Professional Issues	3
MLS 5255 Immunohematology Lab	2	HTHRHSC 5300 Management and HR	3
MLS 5400 Mol. Tech. Lecture	2		
	Total 15		Total 12

CERTIFICATE COMPLETION

To obtain the certificate, students must successfully complete all required certificate courses with a minimum C- grade required for each course. Students must also maintain a minimum 2.2 cumulative GPA in the program. Due to the nature of the program, transfer credit cannot meet any certificate requirements except for prerequisite courses.

Before enrollment in the last required course, [a graduation application](#) must be submitted to the HRS Office of Academic Affairs to formally receive the certificate at the end of the semester of course completion. Students who successfully complete the undergraduate certificate program are not eligible to participate in the HRS Honors program, Research Distinction in their field of study, Latin honors designations, and University Commencement, except if they are also graduating from a degree-seeking program that same term. If students are not graduating from a degree-seeking program, they will receive a mailed completion document in the form of a certificate after the term of completion.

The above plan demonstrates how students may complete the MLS post-baccalaureate certificate program in four semesters. The professional curriculum is completed in sequence, and students may complete the program part-time. However, there is no provision for evening-only enrollment. Students who intend to transfer credit to Ohio State may view how credit is accepted on [Transferology.com](#).

International applicants should be aware that countries may or may not regulate distance education provided to students in their jurisdiction or require foreign higher education institutions to comply with distance education regulations. At this time, Ohio State University cannot guarantee that an academic program meets curriculum requirements in your country.

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](#).