



PROGRAM OVERVIEW

The Medical Laboratory Science (MLS) post baccalaureate certificate program is to prepare 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

- 1 GPA of 2.50 or higher**
A minimum 2.50 cumulative GPA (on a 4.0 scale) is required in all coursework taken at any accredited institutions.
- 2 Prerequisite Courses**
All prerequisite courses or their equivalents must be completed with a **C- or higher by the end of summer term, 2022.**
- 3 Earned Baccalaureate Degree**
An earned baccalaureate degree from an accredited college or university. Applicants are responsible to determine that the completed baccalaureate degree meets the guidelines set forth by the [ASCP BOC](#).
- 4 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.](#)

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 post baccalaureate certificate program admits once per year, with students beginning in the Autumn term. The application deadline for Autumn 2022 is January 31, 2022 for both domestic and international students. The professional program will begin August 23, 2022.

CERTIFICATE REQUIREMENTS

The Post Baccalaureate Certificate in Medical Laboratory Science requires a minimum of **57 credit hours**. The program includes 6 weeks of a 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 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

Bio Pharm 3311 and 3312

***Students may be admitted prior to completion of these courses, although completion of courses creates a stronger application. Courses must be completed before Autumn semester of second year in professional program.*



YEAR 1					
Autumn		Hrs	Spring		Hrs
MLS 4400	Med Lab Environment Lecture	1	MLS 5000	Microbiology I Lecture	3
MLS 4405	Med Lab Environment Lab	1	MLS 5005	Microbiology I Lab	2
MLS 5100	Microbiology II Lecture	3	MLS 5150	Microscopy Lecture	2
MLS 5105	Microbiology II 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 5900	Research	3
MLS 4505	Phlebotomy Lab	1			15
		15			
YEAR 2					
Autumn		Hrs	Spring		Hrs
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 Human Resources	3
MLS 5400	Mol. Tech. Lecture	2			12
		15			

CERTIFICATE COMPLETION

To obtain the certificate, student 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 of 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 student, 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 program curriculum is completed in sequence and students may complete the program on a **part-time basis**. 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](http://transferology.com).

Questions?

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[Tuition](#)

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 at <http://go.osu.edu/disclosures> for online programs and <http://go.osu.edu/onground> for on-campus programs.