



PROGRAM OVERVIEW

The Medical Laboratory Science (MLS) Certification program prepares students to become nationally registered medical laboratory scientists and work in clinical laboratory positions upon graduation. Graduates are eligible to sit for the [national examination](#).

APPLICATION REQUIREMENTS

- 1 GPA of 2.50 or higher**
A minimum 2.50 cumulative GPA is required in all coursework taken at any accredited institutions. Although a 2.5 GPA is the minimum, the average GPA of admitted students is higher.
- 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 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 program admits once per year, with students beginning in the Autumn term. The application deadline for Autumn 2022 is January 31, 2022. The professional program will begin August 23, 2022.

DEGREE REQUIREMENTS

The minimum total hours to graduate from The Ohio State University with a Bachelor's of Science in Health and Rehabilitation Sciences is 120 credit hours. The Medical Laboratory Science Certification program requires a minimum of 120 hours barring special circumstances. **Some students may need to take one or more general elective courses to meet the minimum total credit hours required for graduation.**

Students should [reference their degree audit](#) to ensure they are completing all required components of the degree program. This includes [general education](#), program prerequisites, and professional curriculum. The program includes 6 weeks of clinical rotations in the final semester of enrollment.

Prospective students such as baccalaureate degree-holders, transfer, international, or those that have time commitment issues such as student athletes and band members are strongly encouraged to meet with a pre-HRS advisor to discuss special circumstances which may apply.

PREREQUISITE COURSES

These courses must be completed prior to admission to the major. 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
HTHRHSC 1100		1	English 1110.01		3
MATH 1150 or higher		5	Biology 1113		4
Chemistry 1210		5	Chemistry 1220		5
GE		3	GE		3
GE		3			15
		17			

YEAR 2					
Autumn		Hrs	Spring		Hrs
BioPharm 3311 or Chemistry 2510		3-4	BioPharm 3312 or BioChem 4511		3-4
Microbiology 4000.01		4	Molecular Genetics 4500		3
Statistics 1450.01		3	GE		3
GE		3	GE		3
GE		3			12-13
		16-17			

YEAR 3					
<i>Begin Professional Coursework</i>					
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 4					
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	Elective	(if needed to reach 120 credits total)	3
		15			15

The above plan demonstrates how students may complete the MLS Certification program in eight semesters. It is **highly recommended** to take all GE courses before the start of the professional program.

The professional 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.

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.