

## 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 [ASCP national examination](#). The program includes 6 weeks of clinical rotations in the final semester of enrollment.

## APPLICATION REQUIREMENTS

### 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.

### Prerequisite Courses

All prerequisite courses or their equivalents must be completed with a **C- or higher by the end of summer term**.

### 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 semester. The application deadline for Autumn 2023 is January 31, 2023, for both domestic and international students. The professional program will begin August 22, 2023.

## DEGREE REQUIREMENTS

The minimum total hours to graduate from The Ohio State University with a Bachelor of Science in Health and Rehabilitation Sciences is 120 credit hours. The Medical Laboratory Science Certification program requires a minimum of 120 hours not including HTHRHS 1100. **Some students may need to take one or more general elective courses to meet the minimum total credit hours required for graduation.** Thirty credit hours must be completed at The Ohio State University to establish residency for graduation.

Students should [reference their degree audit](#) to ensure they are completing all required components of the degree program. This includes general education (GE), program prerequisites, and professional curriculum.

## PREREQUISITE COURSES

*These courses must be completed prior to admission to the major. Ohio State course numbers shown below.*

### Math 1148 & 1149, or 1150 or higher

### Chemistry 1210

### Chemistry 1220

### Biology 1113

### Statistics 1450.01

### Microbiology 4000.01

### Molecular Genetics 4500\*\*

### Organic Chemistry Sequence (2 courses) \*\*

*Chemistry 2510 and BioChem 4511, or*

*Bio Pharm 3311 and 3312*

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

### YEAR 1

Autumn	Credits
HTHRHS 1100	1
MATH 1150 or higher	5
CHEM 1210	5
<a href="#">GE Foundation</a>	3
GENED 1201	1
<b>Total</b>	<b>15</b>

Spring	Credits
ENGLISH 1110.01	3
BIOLOGY 1113	4
CHEM 1220	5
<a href="#">GE Foundation</a>	3
<b>Total</b>	<b>15</b>

### YEAR 2

Autumn	Credits
BIOPHARM 3311 or CHEM 2510	3-4
MICROBIOLOGY 4000.01	4
<a href="#">GE Theme</a>	4
STATS 1450.01	3
<b>Total</b>	<b>14-15</b>

Spring	Credits
BIOPHARM 3312 or BIOCHEM 4511	3-4
MOLGEN 4500	3
<a href="#">GE Theme</a>	4
<a href="#">GE Foundation</a>	3
<a href="#">GE Foundation</a>	3
<b>Total</b>	<b>16-17</b>

*Begin Professional Coursework*

### YEAR 3

Autumn	Credits
MLS 4400 Med Lab Environment Lecture	1
MLS 4405 Med Lab Environment Lab	1
MLS 5100 Microbiology II Lecture	3
MLS 5105 Microbiology II Lab	1
MLS 5050 Hematology Lecture	5
MLS 5055 Hematology Lab	2
MLS 4500 Phlebotomy Lecture	1
MLS 4505 Phlebotomy Lab	1
<b>Total</b>	<b>15</b>

Spring	Credits
MLS 5000 Microbiology I Lecture	3
MLS 5005 Microbiology I Lab	2
MLS 5150 Microscopy Lecture	2
MLS 5155 Microscopy Lab	1
MLS 5200 Immunology Lecture	3
MLS 5205 Immunology Lab	1
HTHRHS 4200 Research	3
<b>Total</b>	<b>15</b>

### YEAR 4

Autumn	Credits
MLS 5300 Chemistry Lecture	5
MLS 5305 Chemistry Lab	2
MLS 5250 Immunohematology Lecture	4
MLS 5255 Immunohematology Lab	2
MLS 5400 Mol. Tech. Lecture	2
<b>Total</b>	<b>15</b>

Spring	Credits
MLS 5089 Clinical Practice	5
MLS 5600 Interdisciplinary Studies	3
MLS 5350 Professional Issues	3
HTHRHS 5300 Management and HR	3
HTHRHS 4100 Reflection Seminar	1
<b>Total</b>	<b>15</b>

The above plan demonstrates how students may complete the MLS Certification program in eight semesters. It is assumed that students following this plan who are admitted to the program will begin professional coursework autumn semester of year three. There is flexibility in when a student may take courses in years one and two. However, in years three and four, the curriculum is more structured with only limited ability to change. Students may choose to take non-professional courses over summer terms.

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](https://www.transferology.com).

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 at 614-292-1706 or [HRSstudentservices@osumc.edu](mailto:HRSstudentservices@osumc.edu)**

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