



THE OHIO STATE UNIVERSITY

The School of Health and Rehabilitation Sciences

Certification

Medical Laboratory Science

The School of Health and Rehabilitation Sciences (SHRS) is a School in The Ohio State University College of Medicine. The School is nationally recognized as a leader in practice-based health care education. For more than five decades, the School has prepared students to achieve personal and professional excellence, as they pursue an exciting career in healthcare.

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](#).

ADMISSION & APPLICATION PROCEDURES

Applicants must meet the following minimum requirements and submit requested materials to be considered for admission. The application deadline for **AUTUMN 2020** is **January 31st, 2020**. The professional program will begin **August 25, 2020**.

1. An electronic application is available online at gpadmissions.osu.edu which must be completed and submitted with all required supplemental documents, if applicable.
2. A minimum 2.50 cumulative GPA is required in all coursework taken at all accredited institutions. All post-secondary coursework is considered. Although a 2.5 GPA is the minimum, the average GPA is higher.
3. Completion of prerequisite courses or their equivalents with a **C- or higher by the end of summer term, 2020**.

DEGREE REQUIREMENTS

The minimum total hours to graduate from The Ohio State University is 120 semester hours. The MLS 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.** This includes all general graduation requirements, general education curriculum, program prerequisites, and professional curriculum. Remedial, conditional, and repeated coursework do not count towards the minimum hours.

GENERAL EDUCATION (24 SEMESTER HOURS THAT DO NOT DOUBLE COUNT AS PREREQUISITE COURSES)

SHRS students must complete all General Education (GE) before graduating from the University. Some of these requirements overlap with program prerequisites or professional curriculum courses. The required coursework is listed below:

Students are encouraged to double count the global and social diversity GE requirements with other GEs.

Writing (6 hours)	Math (4-5 hours)	Art (3 hours)	Historical Study or Culture & Ideas (3 hours)
Data Analysis (3 hours)	Literature (3 hours)	Science (10 hours)	Social Diversity in the US (0-3 hours)
Social Science (6 hours)	Global Studies (0-6 hours)	Historical Study (3 hours)	Open Options (6 hours)

PROGRAM PREREQUISITES (35-37 SEMESTER HOURS INCLUDING COURSES THAT DOUBLE COUNT AS GE COURSES^{GE})

Students who wish to apply to the MLS Certification program must have completed all of the program prerequisite courses or their equivalent with a **C- or higher by the end of summer term, 2020**.

(once admitted, 2 years of schooling)

Math 1150 or higher^{GE}

Microbiology 4000.01^{GE}

Chemistry 1210^{GE}

Chemistry 1220^{GE}

Biology 1113^{GE}

Statistics 1450^{GE}

Molecular Genetics 4500^{GE}

Organic Chemistry Options:

(1) Chemistry 2510 and Biochemistry 4511

OR

(2) Biological Chemistry & Pharmacology (Bio Pharm) 3311 & 3312

PROFESSIONAL CURRICULUM (57 SEMESTER HOURS)

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**. The curriculum includes all knowledge and practical skills required for professional credentialing. The program includes 6 weeks of clinical rotations in the final semester of enrollment. Students must have transportation and may have to drive significant distances for supervised practice.

SUGGESTED SCHEDULING PLAN

The following plan demonstrates how students may complete the MLS Certification program in eight semesters. 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. It is assumed that students following this plan who are admitted to the program will begin professional coursework autumn semester of year three. It is highly recommended to take all GE courses before the start of the professional program.

Courses within MLS are for the most part sequential so it is very important that if you think you will need to deviate from this plan in any way that you speak to Jessica Mantini for approval. Deviations often affect graduation dates!

If you have not yet completed MolGen 4500 or BioChem 4511, please note that these courses often conflict with our course offerings. Please look ahead as much as possible when making scheduling decisions and be prepared to use summer term if necessary.

SCHEDULE IS BASED ON A TRADITIONAL 4 YEAR COURSE OF STUDY. COURSE OFFERINGS ARE A TENTATIVE PLAN AND SUBJECT TO CHANGE.

YEAR 1	YEAR 2	YEAR 3	YEAR 4
Autumn	Autumn	Autumn	Autumn
HTHRHSC 1100 (1) Math1150 or higher (5) Chemistry 1210 (5) GE (3) GE (3)	BioPharm 3311 (3) Or Chemistry 2510 (4) Microbiology 4000.01 (4) Statistics 1450 (3) GE (3) GE (3)	BEGIN PROFESSIONAL COURSEWORK MEDLABSCI 4400 ^{Phleb Lec} (1) MEDLABSCI 4405 ^{Phleb Lab} (1) MEDLABSCI 5100 ^{Micro II Lec} (3) MEDLABSCI 5105 ^{Micro II Lab} (1) MEDLABSCI 5050 ^{Heme Lec} (5) MEDLABSCI 5055 ^{Heme Lab} (2) MEDLABSCI 4500 ^{Phleb Lec} (1) MEDLABSCI 4505 ^{Phleb Lab} (1)	MEDLABSCI 5300 ^{Chemistry Lec} (5) MEDLABSCI 5305 ^{Chemistry Lab} (2) MEDLABSCI 5250 ^{Immunochem Lec} (4) MEDLABSCI 5255 ^{Immunochem Lab} (2) MEDLABSCI 5400 ^{Mol Tech Lec} (2)
Total (17)	Total (16-17)	Total (15)	Total (15)
Spring	Spring	Spring	Spring
Chemistry 1220 (5) Biology 1113 (4) English 1110.01 (3) GE (3)	BioPharm 3312 (3) Or Biochem 4511 (4) Mol. Genetics 4500 (3) GE (3) GE (3) GE (3)	MEDLABSCI 5000 ^{Micro I Lec} (3) MEDLABSCI 5005 ^{Micro I Lab} (2) MEDLABSCI 5150 ^{Microscopy Lec} (2) MEDLABSCI 5155 ^{Microscopy Lab} (1) MEDLABSCI 5200 ^{Immuno Lec} (3) MEDLABSCI 5205 ^{Immuno Lab} (1) HTHRHSCH 5900 (3)	MEDLABSCI 5089 ^{Clinical Practice} (5) MEDLABSCI 5600 ^{Interdis Studies} (1) MEDLABSCI 5350 ^{Prof Issues} (3) HTHRHSC 5300 ^{Mgmt & HR} (3) Elective (3)** **This elective may be needed to reach 120 total credit hours
Total (15)	Total (15-16)	Total (15)	Total (12-15)

**The program will give individual consideration in the admission assessment to courses taken and applicant experiences.*

ADDITIONAL INFORMATION

It is strongly recommended that prospective students schedule an appointment with their pre-HRS advisor. If you are not a pre-HRS student, you must complete an online major information session prior to meeting with a pre-HRS advisor. Further information can be accessed [online](#) under the admissions tab. 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.

Student Services Office

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