



# THE OHIO STATE UNIVERSITY

## The School of Health and Rehabilitation Sciences

### *Coordinated Graduate 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 Coordinated Graduate program prepares students to become nationally registered medical laboratory scientists and work in clinical laboratory positions upon graduation. The Coordinated Graduate program of the Medical Laboratory Science program is designed for the student who has an undergraduate degree in a major other than Medical Laboratory Science and would like to return to school to pursue a career as a medical laboratory scientist. Graduates are eligible to sit for the national examination. Students will enter the program, for one academic year, as an undergraduate student. Students will transition to the Graduate School and ultimately earn a Master of Science upon completion of all program requirements. This program is not open to students who have completed a didactic program in medical laboratory sciences.

#### **ADMISSION & APPLICATION PROCEDURES**

Applicants must meet the following minimum requirements and submit requested materials to be considered for admission. The application deadline for **AUTUMN 2016** is **December 1st, 2015**. The undergraduate portion of the professional program will begin **August 23, 2016**.

1. An electronic application is available online at [gpadmissions.osu.edu](http://gpadmissions.osu.edu) which must be completed and submitted with all required supplemental documents, if applicable.
2. A minimum 3.0 cumulative undergraduate GPA is required in all coursework taken at all accredited institutions. All post-secondary coursework is considered. Although a 3.0 GPA is the minimum, the average GPA is higher.
3. Completion of all prerequisite courses or their equivalents with a **C- or higher by the end of summer term, 2016**.
4. Submission of competitive GRE scores.
5. A personal interview may be offered to competitive applicants. Knowledge of the profession and personal career goals will be evaluated at this time.

#### **PROGRAM PREREQUISITES**

Students who wish to apply to the MLS Coordinated Graduate program must have completed an undergraduate degree in a major other than Medical Laboratory Sciences from an accredited institution and all of the program prerequisite courses or equivalent with a **C- or higher by the end of summer term, 2016**.

Math 1150 or higher

Microbiology 4000

Chemistry 1210

Chemistry 1220

Biology 1113

Statistics 1450

Organic Chemistry Options:

(1) Chemistry 2510 and Biochemistry 4511

**OR**

(2) Molbiochemistry 3311 and 3312

Molecular Genetics 4500

## PROFESSIONAL CURRICULUM

The professional curriculum is completed in sequence and there is **no provision for part-time enrollment** though many of the graduate courses are offered late afternoon/evening. The curriculum includes one year of undergraduate professional coursework followed by two years of graduate level MLS courses and other graduate coursework. 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 Coordinated Graduate Program in seven semesters including one summer term. There is not much flexibility in when a student may take courses. It is assumed that students following this plan who are admitted to the program will transition to the graduate program at the beginning of year two.

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. Deviations often affect graduation dates.

If you have not yet completed Mol Gen 4500 or your second chemistry series 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.

**COURSE OFFERINGS ARE A TENTATIVE PLAN AND SUBJECT TO CHANGE.**

YEAR 1	YEAR 2	YEAR 3
<p><b>Autumn</b></p> <p><b>BEGIN UNDERGRADUATE PORTION</b></p> <p>MEDLABSCI 4400<sup>Phleb Lec</sup> (2)</p> <p>MEDLABSCI 5100<sup>Micro II Lec</sup> (3)</p> <p>MEDLABSCI 5105<sup>Micro II Lab</sup> (1)</p> <p>MEDLABSCI 5050<sup>Heme Lec</sup> (5)</p> <p>MEDLABSCI 5055<sup>Heme Lab</sup> (2)</p> <p>MEDLABSCI 4405 (2)</p> <p>Total (15)</p>	<p><b>Autumn</b></p> <p><b>BEGIN GRADUATE PROGRAM</b></p> <p>MEDLABSCI 5300<sup>Chemistry Lec</sup> (5)</p> <p>MEDLABSCI 5305<sup>Chemistry Lab</sup> (2)</p> <p>MEDLABSCI 5250<sup>Immunochem Lec</sup> (4)</p> <p>MEDLABSCI 5255<sup>Immunochem Lab</sup> (2)</p> <p>MEDLABSCI 5400<sup>Mol Tech Lec</sup> (1.5)</p> <p>MEDLABSCI 5405<sup>Mol Tech Lab</sup> (0.5)</p> <p>HTHRHSC 6795 (1)</p> <p>Total (16)</p>	<p><b>Autumn</b></p> <p>MEDLABSCI 6885 (1)</p> <p>HTHRHSC 7990 or 7999<sup>Graduate Research</sup> (2-3)</p> <p>Elective* (3-4)</p> <p>Elective* (3-4)</p> <p>Total (9-12)</p>
<p><b>Spring</b></p> <p><b>APPLY TO GRADUATE SCHOOL BY APRIL 1<sup>ST</sup></b></p> <p>MEDLABSCI 5000<sup>Micro I Lec</sup> (3)</p> <p>MEDLABSCI 5005<sup>Micro I Lab</sup> (2)</p> <p>MEDLABSCI 5200<sup>Immuno Lec</sup> (3)</p> <p>MEDLABSCI 5205<sup>Immuno Lab</sup> (1)</p> <p>MEDLABSCI 5150<sup>Microscopy Lec</sup> (2)</p> <p>MEDLABSCI 5155<sup>Microscopy Lab</sup> (1)</p> <p>Total (12)</p>	<p><b>Spring</b></p> <p>MEDLABSCI 5089 (5)</p> <p>MEDLABSCI 5350<sup>Prof Issues</sup> (3)</p> <p>HTHRHSC 5300 (3)</p> <p>MEDLABSCI 5600 (1)</p> <p>Total (12)</p>	<p><b>Spring</b></p> <p>HTHRHSC 7200 (2)</p> <p>HTHRHSC 7350 (3)</p> <p>AEE 8860 (2)</p> <p>HTHRHSC 7990 or 7999<sup>Graduate Research</sup> (2-3)</p> <p>Elective* (3-4)</p> <p>Total (12-14)</p>
	<p><b>Summer</b></p> <p>AEE 8850 (2)</p> <p>MEDLABSCI 6890 (1)</p> <p>Elective* (3-4)</p> <p>Total (6-7)</p>	<p>*When selecting electives, please consult with your faculty advisor.</p>

## 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 future students 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  
 School of Health and Rehabilitation Sciences  
 206 Atwell Hall  
 453 West 10<sup>th</sup> Avenue  
 Columbus, Ohio 43210  
 614-292-1706

Tammy Bannerman, PhD  
 Interim Director, Division of Medical Laboratory Science  
 535 Atwell Hall  
 453 West 10<sup>th</sup> Avenue  
 Columbus, Ohio 43210  
 614-292-7303