BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCES - ADVANCED STANDING

Overview

The Bachelor of Science in Medical Laboratory Sciences (BS MLS) Degree Advanced Standing is designed to assist Medical Laboratory Technicians (MLTs) with an associate degree to attain the baccalaureate level degree providing the opportunity to use MLT course work to earn credit towards the BS MLS degree. This assists the MLT in meeting professional expectations of having at least a bachelor's degree and opens up career opportunities in clinical and non-clinical leadership positions. Medical Laboratory Technicians (MLT) who have completed a MLT program accredited by NAACLS, have earned an associate's degree and who are certified as a MLT by the Board of Certification (https://www.ascp.org/content/board-of-certification/) (BOC) of the American Society for Clinical Pathology (ASCP) can be accepted into the Bachelor of Science degree program at UT San Antonio Health Science Center as an "Advanced Standing" MLS student. If accepted under the "Advanced Standing" track, the student may be given credit for first year MLS specific courses at the discretion of the program director and the Registrar. Individuals interested in the "Advanced Standing" program are encouraged to contact the MLS Program Director for guidance. Core curriculum and all required science and math courses must be completed before advancing to the second year of the BS in MLS.

Admissions Requirements

Applications for the MLS program are accepted between January and mid-June for the incoming class. All application materials, the application fee, official transcripts, and all supporting documents must be received by Allied Health Centralized Application System (AHCAS) by the deadline. Applicants who are enrolled in college courses at the time of application should submit an official transcript showing courses in progress. An official, updated transcript must be submitted upon completion of the courses.

Bachelor of Science in MLS applicants must complete the Texas Core Curriculum (42 hours) and prerequisite courses with a grade of "C" or better. Certain prerequisite courses will apply towards meeting the Texas Core requirements:

Texas Core Curriculum Requirement

- English Composition I & II (6 semester credit hours)
- College Algebra or higher (3 semester credit hours)
- Natural Sciences (BIOL, CHEM, PHYS or other natural science) (12 semester credit hours)
- Humanities
  - Any philosophy, language, humanities, or English literature course (3 semester credit hours)
- Visual and Performing Arts
  - Any arts, drama, or music course (3 semester credit hours)
- U.S. History I and U.S. History II (6 semester credit hours)
- Texas State & Local Government & American Government (6 semester credit hours)
- Any psychology or sociology course (3 semester credit hours)

All applicants must complete the program prerequisites listed below, and no grade less than "C" will be accepted. ALL *science courses must be designated for science majors.*

Program Prerequisite Requirement

- English Composition and Speech or Writing (3 semester credit hours)
- General Chemistry I with lab (4 semester credit hours)
- General Chemistry II with lab (4 semester credit hours)
- Biology I with lab (4 semester credit hours)
- Biology II with lab (4 semester credit hours)
- Microbiology with lab (for science majors) (4 semester credit hours)
- General Physiology or Human Physiology (upper division) (3 semester credit hours) OR Human Anatomy and Physiology I & II (BIOL 2301 & BIOL 2302) sequence (6 semester credit hours)
- Mathematics course must be college Algebra or higher (3 semester credit hours)
- Students are strongly encouraged to have taken courses in Genetics and Statistics.

Additional MLS program requirements:

- Minimum overall GPA of 2.5 (on a 4.0 scale)
- Minimum science GPA of 2.5 (on a 4.0 scale)
- Completion of the online Allied Health Centralized Application System (https://ahcas.liaisoncas.com/) (AHCAS)
- Payment of non-refundable application fee for using the AHCAS application
- Submission of the following documents to the AHCAS or Office of the University Registrar:
  - Official transcripts from each college and university currently or previously attended. Applicants who are enrolled in college courses at the time of application should submit an official transcript showing courses in progress. An updated transcript must be submitted upon completion of the courses. Note: transfer credits indicated on another school's transcript are not accepted in lieu of submitting the original institution record for that coursework. Transcripts from institutions outside the United States must be submitted in the original language and must be accompanied by a NACES Members evaluation agency English translation (course by course).
  - Completion of the two personal questions.
- International Applicants only: Applicants from countries where English is not the official language are required to submit scores on the Test of English as a Foreign Language (TOEFL), the International English Language Testing System (IELTS), or Duolingo English Test. The minimum scores are: TOEFL 84, IELTS 7.0, and Duolingo 115.
- Scores on TOEFL, IELTS, and Duolingo tests taken more than two years prior to the date of application are not acceptable.

Required Documents (if you are accepted) to the Bachelor of Science in Medical Laboratory Sciences program:

If you are made an official offer for the Bachelor of Science in Medical Laboratory Sciences (BSMLS) program, all of the following items are required prior to matriculation:

- Non-refundable SHP tuition deposit to secure each student's seat for the BSMLS class. Directions for this process will be sent to accepted students.
- Completion of a criminal background check. Directions for this process will be sent to accepted students.
- Completion of student drug testing. Directions for this process will be sent to accepted students.
- Student Immunization Record: all enrolled students at the Health Science Center are required to be fully immunized with required immunizations (http://catalog.uthscsa.edu/generalinformation/institutionalpolicies/immunizations/) prior to orientation and registration. Additional information is available on the Wellness 360 website (https://wellness360.uthealthsa.org/services/employee-student-health/student-immunization-tracking/).
- Final updated transcripts must be submitted upon completion of courses from each college/university to the Office of University Registrar. All foreign transcripts must be also sent to include the original transcript and the NACES evaluated official transcript (course by course).

Office of University Registrar Mailing Address:

Office of University Registrar - MC 7702

7703 Floyd Curl Drive

San Antonio, TX 78229-3900

- Evidence of current health insurance showing dates of coverage. Unless proof of proper insurance coverage is provided before the first day of class, students will be charged for a health insurance policy through the university. The fee for this policy is non-removable once the payment due date passes and is non-refundable once paid.

Degree Requirements

The Bachelor of Science in Medical Laboratory Sciences degree program is a four-year program that consists of a minimum of 124 semester credit hours and a cumulative GPA of a 2.0 to be eligible for graduation (http://catalog.uthscsa.edu/generalinformation/generalacademicpolicies/graduationpolicy/). The third and fourth year of the program is comprised of medical laboratory science courses and clinical practicums. The medical laboratory science courses are completed at the Health Science Center, and the clinical practicums are completed at clinical affiliates in the San Antonio area and sites throughout South Texas. The courses listed in the Sample Plan of Study constitute the professional curriculum for the Bachelor of Science degree in Medical Laboratory Sciences.

Individualized degree plans are created for each student admitted to the program in consultation with the program director. It is expected that students will be full-time. However, in special circumstances, a student may petition to attend part-time. This request for part-time status will be reviewed and approved by the Medical Laboratory Sciences Student Progress Committee. Depending on the part-time status percentage, selection of this option could delay graduation by at least one year.

First Year Fall		Credit Hours
MLSC 3011	Quality Assurance in the Clinical Laboratory	1
MLSC 3033	Medical Microbiology	3
MLSC 3034	Medical Microbiology Lab	2
MLSC 3065	Clinical Immunology	3
MLSC 3081	Clinical Chemistry	3
MLSC 3082	Clinical Chemistry Laboratory	2
	Total Credit Hours:	**14.0**

First Year Spring		Credit Hours
MLSC 3051	Hematology	3
MLSC 3052	Hematology Laboratory	2
MLSC 3060	Immunohematology	3
MLSC 3064	Immunohematology Laboratory	2
MLSC 4080	Introduction to Scientific Writing	2
	Total Credit Hours:	**12.0**

First Year Summer		Credit Hours
MLSC 3010	Body Fluids	3
MLSC 3040	Special Topics in Microbiology	3
	Total Credit Hours:	**6.0**

Second Year Fall		Credit Hours
MLSC 4037	Clinical Practicum I	4
MLSC 4053	Advanced Hematology	2
MLSC 4055	Advanced Immunohematology	2
MLSC 4057	Clinical Practicum II	4
MLSC 4095	Management	2
	Total Credit Hours:	**14.0**

Second Year Spring		Credit Hours
MLSC 4067	Clinical Practicum III	4
MLSC 4033	Advanced Medical Microbiology	2
MLSC 4083	Advanced Clinical Chemistry	2
MLSC 4087	Clinical Practicum IV	4
MLSC 4098	Molecular	3
MLSC 4090	Special Topics Practicum (Special Topics Practicum)	1
MLSC 6011	Diagnostic Immunology Practicum	2
MLSC 6111	Medical Laboratory Sciences Reveiw Course	1
	Total Credit Hours:	**19.0**