

First Year – Sul Ross

FIRST SEMESTER	SECOND SEMESTER
^c ENG 1301 Composition I (ENG 1310 @TXST)	^c ENG 1302 Composition II (ENG 1320 @TXST)
^c PS 2305 Federal Government (POSI 2320 @ TXST)	BIOL 1307/1107 (BIO 1331/1131 @TXST)
^c BIOL 1306/1106 BIO for Majors (BIO 1330/1130 @TXST)	^c (020) MATH 1315 Algebra (MATH 1315 @TXST)
^c CHEM 1311/1111 GEN CHEM I and lab (CHEM 1341/1141 @ TXST)	CHEM 1312/1112 GEN CHEM I and lab (CHEM 1342/1142 @ TXST)
First Year Seminar	
15 credit hours	14 credit hours

Second Year – Sul Ross

FIRST SEMESTER	SECOND SEMESTER
^c (060)-US History course	^c (060)-US History course
^c COMM 1310 (COMM 1310 @TXST)	^c (090) BIOL 2302/2102 A&P II (BIO 2452 @ TXST-pending review)
BIOL 2321/2121 Microbiology (BIO 2400 @ TXST)	MATH 1342 Elementary Statistics
BIOL 2301/2101 A&P I (BIO 2451 @ TXST-pending review)	^c PS 2306 State Government (POSI 2310 @TXST)
	^c (040) PHIL 1301 (PHIL 1305 @ TXST)
14 credit hours	16 credit hours

Third Year – Texas State University

FIRST SEMESTER	SECOND SEMESTER
MLS 3305. Introduction to Medical Laboratory Techniques.	MLS 3323. Medical Microscopy and Analysis of Body Fluids.
MLS 3310. Clinical Chemistry I.	MLS 3324. Clinical Immunology.
MLS 3110. Clinical Chemistry I Laboratory.	MLS 3312. Clinical Hematology and Hemostasis I.
MLS 3326. Medical Parasitology.	MLS 3112. Clinical Hematology and Hemostasis I Laboratory.
^c Creative Arts Component Code 050	^c Social and Behavioral Sciences Component Code 080
13 credit hours	13 credit hours
Summer	
	MLS 3111. Medical Laboratory Science Review.
	1 hour

Fourth Year – Texas State University

FIRST SEMESTER	SECOND SEMESTER
MLS 4333. Bridge to Clinical Practice.	MLS 4340. Diagnostic Microbiology II.
MLS 4318. Clinical Hematology and Hemostasis II.	MLS 4370. Clinical Chemistry II.
MLS 4320. Diagnostic Microbiology I.	MLS 4463. Clinical Practice I.
MLS 4120. Diagnostic Microbiology I Lab.	MLS 4241. Molecular Diagnostics.
MLS 4360. Immunohematology.	
MLS 4160. Immunohematology Lab.	
14 credit hours	12 credit hours

Summer	
MLS 4225. Laboratory Management & Supervision.	
MLS 4361. Medical Laboratory Research Methods.	
MLS 4465. Clinical Practice II.	
9 credit hours	

^cFulfills core requirement

Science and mathematics courses require a minimum grade of “C” or higher.

Admission Requirements

1. The Bachelor of Science in Medical Laboratory Science (B.S.M.L.S.) degree with a major in Medical Laboratory Science requires admission to the university and admission to the program. For more information visit: <http://www.health.txstate.edu/cls/degrees-programs/undergraduate.html>
2. University application deadlines are different than the Medical Laboratory Science (M.L.S.) program deadline. Any student entering Texas State may declare the bachelor of science with a major in health sciences and a Pre-Medical Laboratory Science concentration as their major. It is recommended that students arrange academic advising at least once prior to making application, and, if possible, arrange to learn about the profession through clinical laboratory tours, personal research, and interviewing a practicing M.L.S. professional. Admission and acceptance to Texas State and declaration of a pre-M.L.S. concentration does not guarantee admission to the B.S.M.L.S. program. Admission to the program is competitive and selective. The academic sequence begins during the fall semester of the junior year. Students are selected in the spring semester of their sophomore year. Enrollment is limited by student/faculty ratios and clinical placement availability.
3. The deadline for submission of applications to the M.L.S. program is February 15th. A typical cohort size of 20 students will be admitted. Applicants will be notified of their status by April 30th or sooner. The criteria for student selection for the junior class includes scholastic ability, particularly in the sciences, essays, and a personal interview, and not on the basis of gender, race, color, religion, veteran status or condition of disability, or national origin. Due to performance standards of the profession, students must meet specific ADA standards in accordance with physical and emotional requirements of the academic program to qualify for admission.
4. Potential applicants are encouraged to complete the University process early (six to eight weeks prior to the M.L.S. application deadline of February 15th) to facilitate review of transcripts during the M.L.S. program application process.
5. A minimum overall GPA and science and mathematics GPA of 2.50; however, an overall GPA and a science and mathematics GPA of 3.0 is recommended in order to

be competitive in the application process. Applicants must be in good academic standing to apply to the M.L.S. Program. Students on academic probation or suspension will not be considered. The science and mathematics GPA is calculated based on grades in the following nine courses which must be completed prior to submitting the M.L.S. application:

Code	Title	Hours
<u>BIO 1330</u>	Functional Biology	3
<u>BIO 1130</u>	Functional Biology Laboratory	1
<u>BIO 1331</u>	Organismal Biology	3
<u>BIO 1131</u>	Organismal Biology Laboratory	1
<u>CHEM 1341</u>	General Chemistry I	3
<u>CHEM 1141</u>	General Chemistry Laboratory I	1
<u>CHEM 1342</u>	General Chemistry II	3
<u>CHEM 1142</u>	General Chemistry Laboratory II	1
<u>MATH 1315</u> or <u>MATH 1319</u> or <u>MATH 1329</u> or <u>MATH 2321</u> or <u>MATH 2417</u> or <u>MATH 2471</u>	College Algebra Mathematics for Business and Economics I Mathematics for Business and Economics II Calculus for Life Sciences I Pre-Calculus Mathematics Calculus I	3
Course List		

Notes (internal)

- Minimum of 30 hours at TXST is required
- 24 of last 30 must be @ TXST
- Total hours 120---55 @ Sul Ross and 65 @TXST
- BIOL 2404 needs to be evaluated @TXST