

**Bachelor of Science (BS)**  
**Medical Laboratory Science**

The 2026-2027 list of core courses can be found in the 2026-2027 Undergraduate Catalog: [www.utrgv.edu/catalog](http://www.utrgv.edu/catalog) > See 'Bachelors Degree Program Regulations'

Medical Laboratory Science (CLSC) coursework may be taken at the UT Center in Laredo.										
Year	Semester	Credit Hours	Campus	Course Number	Course Title	Minimum Grade	Core	Prerequisite	Additional Notes	
1	Fall	3	B/E/O	Choose 1	Communication	C	010	For all 010 courses: Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301. For ENGL 1302, a grade of "C" or better in ENGL 1301.	See General Education Core for more details. Options: ENGL 1301	
1	Fall	3	B/E/O	Choose 1	Creative Arts		050		See General Education Core for course options.	
1	Fall	3	B/E/O	Choose 1	Mathematics	C	020	College Ready TSI status in Mathematics.	See General Education Core for course options. MATH 1342 may satisfy the core and the major requirement if a free elective is taken to meet the 123 required hours of the major.	
1	Fall	4	B/E/O	BIOL 2401	Anatomy and Physiology I				Satisfies Major-Specific Requirement.	
1	Fall	3	B/E/O	Choose 1	American History		060		See General Education Core for more details. Options: HIST 1301 or HIST 2327	
1	Fall		B/E/O	UNIV	1301 Learning Framework 1101 Academic and Career Success 1001/1300 Living and Working by Design				As required, based on a number of factors such as credit hours earned, TSI status, high school rank, major declaration, etc.	
1	Fall	16	<b>Semester Total Hours</b>							
1	Spring	3	B/E/O	Choose 1	Communication	C	010	For all 010 courses: Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301. For ENGL 1302, a grade of "C" or better in ENGL 1301.	See General Education Core for more details. Options: ENGL 1302 or ENGL 1305	
1	Spring	4	B/E	BIOL 2402	Anatomy and Physiology II			BIOL 2401.	Satisfies Major-Specific Requirement.	
1	Spring	3	B/E/O	CHEM 1311	General Chemistry I		030	MATH 1314, MATH 1414, MATH 1342, MATH 1343, MATH 1388, MATH 2412, MATH 2413, or MATH 2487 with a grade of C or higher.	See General Education Core for course options.	
1	Spring	1	B/E	CHEM 1111	General Chemistry I Lab		090	Credit/registration in CHEM 1311.	See General Education Core for course options.	
1	Spring	3	B/E/O	Choose 1	American History		060		See General Education Core for more details. Options: HIST 1302 or HIST 2328	
1	Spring	3	B/E/O	MATH 1342	Elementary Statistical Methods			College Ready TSI status in Mathematics.	Satisfies Major-Specific Requirement.	
1	Spring	17	<b>Semester Total Hours</b>							
Year	Semester	Credit Hours	Campus	Course Number	Course Title	Minimum Grade	Core	Prerequisite	Additional Notes	
2	Fall	3	B/E	CHEM 1312	General Chemistry II		030	CHEM 1311.	See General Education Core for course options.	
2	Fall	1	B/E	CHEM 1112	General Chemistry II Lab		090	Credit/registration in CHEM 1312.	See General Education Core for course options.	
2	Fall	3	B/E/O	POLS 2305	U.S. Federal Government & Politics		070		See General Education Core for course options.	
2	Fall	4	B/E	CLSC 2429	Clinical Microbiology in Health Care	C		8 hours from: [BIOL 1406 and BIOL 1407] or [BIOL 2401 and BIOL 2402] or [BIOL 1487 and BIOL 1488]	Satisfies Major-Specific Requirement.	
2	Fall	3	B/E/O	Choose 1	Language, Philosophy & Culture		040		See General Education Core for course options.	
2	Fall	3	B/E/O	Choose 1	Integrative and Experiential Learning		090		See General Education Core for course options.	
2	Fall	17	<b>Semester Total Hours</b>							
2	Spring	3	B/E	CHEM 2323	Organic Chemistry I			CHEM 1312.	Satisfies Major-Specific Requirement.	
2	Spring	1	B/E	CHEM 2123	Organic Chemistry I Lab			Credit/registration in CHEM 2323.	Satisfies Major-Specific Requirement.	
2	Spring	4	B/E	BIOL 1406	General Biology I		090		Satisfies Major-Specific Requirement. One Hour Lab will meet General Education Core requirement.	
2	Spring	3	B/E/O	POLS 2306	Texas Government & Politics		070		See General Education Core for course options.	
2	Spring	3	B/E/O	Choose 1	Social and Behavioral Sciences		080		See General Education Core for course options.	
2	Spring	14	<b>Semester Total Hours</b>							

Year	Semester	Credit Hours	Campus	Course Number	Course Title	Minimum Grade	Core Prerequisite	Additional Notes	
3	Fall	6	E/L	CLSC 3630	Clinical Microbiology I	C	Admission into the Clinical Laboratory Science Program or special approval.	Admission requirements (See Department).	
3	Fall	3	E/L	CLSC 3310	Hematology I	C	Admission into the Clinical Laboratory Science Program or special approval.	Admission requirements (See Department).	
3	Fall	5	E/L	CLSC 3513	Clinical Immunology and Immunoematology	C	Admission into the Clinical Laboratory Science Program or special approval.	Admission requirements (See Department).	
3	Fall	4	E/L	CLSC 3420	Clinical Chemistry I	C	Admission into the Clinical Laboratory Science Program or special approval.	Admission requirements (See Department).	
3	Fall	18	<b>Semester Total Hours</b>						
3	Spring	4	E/L	CLSC 4411	Clinical Hematology II	C	CLSC 3310 or permission of the instructor.	Admission requirements (See Department).	
3	Spring	5	E/L	CLSC 4521	Clinical Chemistry II	C	CLSC 3420 or permission of the instructor.	Admission requirements (See Department).	
3	Spring	3	E/L	CLSC 4314	Advanced Immunoematology	C	Admission into the Clinical Laboratory Sciences Program and CLSC 3513.	Admission requirements (See Department).	
3	Spring	6	E/L	CLSC 4631	Clinical Microbiology II	C	CLSC 3630 or permission of the instructor.	Admission requirements (See Department).	
3	Spring	18	<b>Semester Total Hours</b>						
3	Summer	3	O	CLSC 4303	Medical Laboratory Leadership	C	Admission into the Clinical Laboratory Science Program or special approval.	Admission requirements (See Department).	
3	Summer	3	B/E/L	CLSC 4340	Clinical Practicum I	C	Admission into the Clinical Laboratory Science Program and successful completion of: CLSC 3310, CLSC 3420, CLSC 3513, CLSC 3630, CLSC 4314, CLSC 4411, CLSC 4521, CLSC 4631.	Admission requirements (See Department).	
3	Summer	3	B/E/L	CLSC 4341	Clinical Practicum II	C	Admission into the Clinical Laboratory Science Program and successful completion of: CLSC 3310, CLSC 3420, CLSC 3513, CLSC 3630, CLSC 4314, CLSC 4411, CLSC 4521, CLSC 4631.	Admission requirements (See Department).	
3	Summer	1	O	CLSC 4116	Advanced Immunology	C	CLSC 3513.	Admission requirements (See Department).	
3	Summer	1	O	CLSC 4122	Method Development & Research	C	Admission to the Clinical Laboratory Sciences Program.	Admission requirements (See Department).	
3	Summer	11	<b>Semester Total Hours</b>						
Year	Semester	Credit Hours	Campus	Course Number	Course Title	Minimum Grade	Core Prerequisite	Additional Notes	
4	Fall	3	B/E/L	CLSC 4342	Clinical Practicum III	C	Admission into the Clinical Laboratory Science Program and successful completion of: CLSC 3310, CLSC 3420, CLSC 3513, CLSC 3630, CLSC 4314, CLSC 4411, CLSC 4521, CLSC 4631.	Admission requirements (See Department).	
4	Fall	3	B/E	CLSC 4343	Clinical Practicum IV	C	Admission into the Clinical Laboratory Science Program and successful completion of: CLSC 3310, CLSC 3420, CLSC 3513, CLSC 3630, CLSC 4314, CLSC 4411, CLSC 4521, CLSC 4631.	Admission requirements (See Department).	
4	Fall	1	E/L	CLSC 4144	Clinical Practicum V	C	Admission into the Clinical Laboratory Science Program and successful completion of: CLSC 3310, CLSC 3420, CLSC 3513, CLSC 3630, CLSC 4314, CLSC 4411, CLSC 4521, CLSC 4631.	Admission requirements (See Department).	
4	Fall	2	E/L	CLSC 4200	Seminar	C	Admission into the Clinical Laboratory Science Program and completion of CLSC 4340 and CLSC 4341.	Admission requirements (See Department).	
4	Fall	3	E/L	CLSC 4315	Molecular Genetics and Molecular Diagnostics	C	Admission to the Clinical Laboratory Sciences Program or permission of the instructor.	Admission requirements (See Department).	
4	Fall	12	<b>Semester Total Hours</b>						

123 TOTAL HOURS

(42) Advanced minimum credit hours